



September 5, 2013

Mr. Jamie Dunn - Hydrogeologist  
Wisconsin Department of Natural Resources  
Remediation and Redevelopment  
810 West Maple Street  
Spooner, Wisconsin 54801



RE: Groundwater Monitoring Report  
Moose Junction Lounge  
13195 South S.H. 35  
Dairyland, Wisconsin  
BRRTS #03-16-000301

Dear Mr. Dunn:

Carlson McCain, Inc. (Carlson McCain) has prepared the attached Groundwater Monitoring Report on behalf of Mr. Trent Sprague (Responsible Party) of the Moose Junction Lounge. The attached report is being submitted as an annual report for the continued groundwater monitoring events completed at the Site. The remedial and monitoring activities that occurred at the Site over the reporting period included: remedial action through injection of an in situ chemical treatment; post injection soil sampling; installation of a monitoring well/piezometer nest; seven rounds of quarterly post injection groundwater monitoring; eight rounds of quarterly drinking water well sampling of the Site well and Swenson residence well; and annual reporting. This report serves to summarize the first year of quarterly monitoring events.

Carlson McCain has completed in situ chemical treatment at the Site and a report will be submitted shortly detailing the injection events. This report summarizes the results of the post-injection soil sampling, monitoring well installation activities and groundwater and potable well sampling.

If you have any questions regarding the attached report, or any other questions relating to the Site, please contact me at (763) 489-7900.

Sincerely,

Carlson McCain, Inc.

FOR  
Jeff Neisse  
Staff Hydrogeologist

Enclosure: Groundwater Monitoring Report and associated appendices

Cc: Mr. Trent Sprague (Responsible Party)  
Mr. Ralph Smith (Wisconsin Department of Safety and Professional Services)

# GROUNDWATER MONITORING REPORT

Moose Junction Lounge  
13195 South State Highway 35  
Dairyland, Wisconsin 54830  
Commerce # 54830-9999-97-A  
BRRTS # 03-16-000301  
*Project #2490-00*

*Prepared for:*

Moose Junction Lounge  
Mr. Trent Sprague  
2116 16 ½ Street  
Rice Lake, Wisconsin 54868

*September 5, 2013*



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ENVIRONMENTAL • ENGINEERING • LAND SURVEYING

September 5, 2013

Mr. Ralph Smith  
Wisconsin DSPS  
Bureau of PECFA  
P.O. Box 8044  
Madison, Wisconsin 53708

Mr. Jamie Dunn - Hydrogeologist  
Wisconsin Department of Natural Resources  
Remediation and Redevelopment  
810 West Maple Street  
Spooner, Wisconsin 54801

**Re: Groundwater Monitoring Report  
Moose Junction Lounge  
Dairyland, Wisconsin  
Commerce #54830-9999-97-A  
BRRTS #03-16-000301**

Dear Mr. Smith and Mr. Dunn:

On behalf of Mr. Trent Sprague of the Moose Junction Lounge (Responsible Party), Carlson McCain, Inc. (Carlson McCain), has prepared this Groundwater Monitoring Report to summarize the environmental activities that have occurred at the Moose Junction Lounge (Site) between February 2012 and January 2013. ProSource Technologies, Inc. (ProSource) was initially retained by Mr. Trent Sprague to complete the work at the Site. On June 1, 2009, the environmental and engineering staff of ProSource initiated services under the name Carlson Professional Services, Inc. (Carlson) as part of a corporate restructuring. On June 1, 2011, Carlson merged with McCain Associates, Inc. and continues services under the name Carlson McCain, Inc. (Carlson McCain).

The remedial and monitoring activities that occurred at the Site over the reporting period included two rounds of quarterly post injection groundwater monitoring. This report serves to summarize these quarterly monitoring events. The Site is located at 13195 South State Highway 35 in Dairyland, in Douglas County, Wisconsin. The Site location is visually depicted on the attached Figure 1. A site plan overview is provided as Figure 2a (attached).

#### **Brief History of Site Activities**

The Site currently operates as a tavern, which formerly sold gasoline. Based on figures provided from previous reports, it appears the Site operated two underground storage tanks (USTs): one UST appears to have existed on the north side of the tavern, near the northeast corner of the Site building; and, one UST existed on the south side of the tavern, near the southeast corner of the building. The Site also operated two dispenser islands and associated piping: one pump island existing near the east side of the tavern near State Highway 35; and one existing near the southeastern corner of the tavern, just east of a former UST. Soil and groundwater contamination were discovered at the Site in October 1990 during a Phase II Environmental Assessment performed for the Department of Transportation (DOT) on the State Highway 35 right-of-way.

Earth Remediation Services (ERS) was contacted by Dale Schultz (the former property owner) to conduct a Site Investigation at the Site. ERS removed one 1,000-gallon UST and an associated pump island in June of 1993; one UST and former pump island had previously been removed. At the time of tank removal, approximately 672 cubic yards of contaminated soil were excavated from the Site. Figure 2a depicts the approximate extents of the 1993 excavation. The extent of the excavation was limited in both size and depth due to the presence of the Site building and adjacent roadways. Contaminated soil remained in-place along the southern limits of the excavation, adjacent to the intersection of State Highway 35 and Moose Road. Soil borings and monitoring wells were installed across the Site in an attempt to define the extents of contamination. Evidence of off-site contaminant migration prompted ERS to gain access from four surrounding property owners to advance soil borings on their properties. Laboratory analytical results of the off-site monitoring well MW-4 revealed elevated contaminant concentrations which lead ERS to believe this was an additional source area other than the Site contaminant plume. Reports from local residents indicated that a former tavern and gas station existed on the southeast corner of the intersection of State Highway 35 and Moose Road.

The Site is currently developed as a tavern with a gravel parking area and a small shed near the western edge of the parking area. The Site operates a septic system, existing adjacent to monitoring well MW-3. A majority of the Site and surrounding property uses are undeveloped wooded lots with a few rural residential properties existing to the south and west. The Site has relatively flat topography, with small ditches existing on either side of State Highway 35. The Site is located in the SE ¼ of the SE ¼ of Section 18, Township 44 North, Range 14 West in Douglas County, Wisconsin.

The geology of the investigated area consists of variable layers of medium-grained sand, silty sand and silty clay (till). The till can range in thickness, generally several meters thick (Clayton, 1985). Bedrock in the area is depicted as middle Proterozoic Keweenaw volcanic rock and is reported at a depth ranging between five and 50 feet below ground surface (Wisconsin Geological and Natural History Survey, 2005). Soils encountered at the Site consist of silty sands and medium-grained sands. A "bedrock ridge" has been reported to be encountered during Site investigation activities at depths between 10 and 12 feet below ground surface (bgs). The water table is typically at depths between one and three feet bgs.

The regional groundwater flow direction is to the south. Hydraulic conductivity tests conducted in Site monitoring wells determined values ranging between  $2.7 \times 10^{-5}$  and  $4.3 \times 10^{-5}$  centimeters per second (cm/sec), with a resultant groundwater flow velocity of 3.6 feet per year (ft/yr). The Site and adjacent properties are supplied potable water through private potable water wells. The drinking water well at the Swenson residence, south of the Site, has been sampled periodically since 1992 and has identified concentrations of benzene above the WDNR Enforcement Standard (ES) of 5 µg/L. The on-site potable well serving the tavern has also been periodically sampled since 1992 and has not reported contaminant concentrations above WDNR ES except during the October 2011 sampling event.

The Wisconsin Department of Commerce approved an additional cost cap modification to perform remediation and additional groundwater monitoring activities at the Site (Bid Round 57). Bid requirements included: remedial action through injection of an in situ chemical treatment; post injection soil sampling; installation of a monitoring well/piezometer nest; eight rounds of quarterly post

injection groundwater monitoring; eight rounds of quarterly drinking water well sampling of the Site well and Swenson residence well; and annual reporting.

Two rounds of in-situ chemical treatments were completed (October 18-19 and November 8-9 of 2010). Carlson McCain personnel supervised the advancement and injection of in-situ chemical treatment. The details of the in-situ chemical injections are detailed in a separate report prepared by Carlson McCain and will be submitted under separate cover to the WDNR.

### Groundwater Sampling Methods and Procedures

Monitoring wells MW-2, MW-4 and MW-5R were sampled during the April 27, 2012, and October 5, 2012 sampling events. The collected groundwater samples were submitted for laboratory analysis of petroleum volatile organic compounds (PVOCs) and naphthalene. Groundwater elevations were measured from the monitoring wells during each sampling round; all measurements were collected from the top of casing (TOC) for each monitoring well and measured to the nearest 0.01 foot using an electronic water level indicator. A table summarizing water level measurements is included as Table 1.

Purging and sampling of monitoring wells was conducted in accordance with WDNR regulations. Water level measurements were collected prior to purging each well. A minimum of three well volumes was removed from each well prior to sampling. Well purging and sampling was conducted using a dedicated high density polyethylene (HDPE) bailer for each well. During the purging process color and odors were noted. Volume calculations and measurements were recorded onto a groundwater purging/sampling data sheet. Field data sheets are attached as Appendix B.

All samples submitted to Siemens Water Technologies (Siemens) and Environmental Science Corporation (ESC) were analyzed in accordance with WDNR and Environmental Protection Agency (EPA) methods and procedures. All water samples were preserved in the field and placed into clean, laboratory supplied sample containers. Each sample container was uniquely numbered and labeled using indelible ink. Additional information on the label included the analytical parameters, preservative, sampling personnel, date and time of sample collection, sample type (grab or composite) and the project number. The label was directly affixed to the appropriate sample container. The samples were placed on ice and maintained at a temperature of 4° C. A chain of custody was initiated and kept with the samples until custody was relinquished to the laboratory.

### Groundwater Sampling Results

#### *April 2012*

The first groundwater sampling event for this reporting period was conducted on April 27, 2012. Groundwater samples were collected from the monitoring well network (MW-2, MW-4 and MW-5R). Groundwater samples were submitted to Siemens for laboratory analysis of PVOCs and naphthalene. The WDNR enforcement standard (ES) for benzene (5 micrograms per liter ( $\mu\text{g/L}$ )) was only exceeded at sampling locations MW-2 (2,930  $\mu\text{g/L}$ ) during this event. Monitoring location MW-2 also exceeded the WDNR ES for the following compounds: toluene (4,270  $\mu\text{g/L}$ ); ethylbenzene (1,670  $\mu\text{g/L}$ ); xylenes



(6,860 µg/L); trimethylbenzenes (1,377 µg/L) and naphthalene (578 µg/L). Groundwater sample laboratory analytical results are attached for reference in Appendix A and are summarized in the attached Table 2. The benzene isoconcentration contour map for the April 27, 2012, sampling event is attached as Figure 3a. Groundwater flow direction was interpolated to be to the south. The potentiometric surface map for the April 27, 2012, sampling event is attached as Figure 4a.

### *October 2012*

The second groundwater sampling event for this reporting period was completed on October 5, 2010. Groundwater samples were collected from the monitoring well network (MW-2, MW-4 and MW-5R) and submitted to ESC for laboratory analysis of PVOCs and naphthalene. Monitoring location MW-2 exceeded the WDNR ES for the following compounds: benzene (5,600 µg/L); toluene (13,000 µg/L); ethylbenzene (1,900 µg/L); xylenes (12,400 µg/L); methyl tert-butyl ether (MTBE - 280 µg/L); trimethylbenzenes (1,920 µg/L); and naphthalene (580 µg/L). In addition, benzene exceeded the ES at MW-4 with a concentration of 110 µg/L. Groundwater sample laboratory analytical results are attached for reference in Appendix A and are summarized in the attached Table 3. The benzene isoconcentration contour map for the October 5, 2012, sampling event is attached as Figure 3b. Groundwater flow direction appears to be to the south. The potentiometric surface map for the October 5, 2012, sampling event is attached as Figure 4b.

### Potable Well Water Sampling

#### Swenson Well

Potable well water samples were collected from the Swenson residence during the groundwater monitoring events as well. The Swenson residence is located at 2794 East Moose Road and is in the down-gradient direction from the source area existing at the Site. A drinking water sample was collected from the Swenson residence on April 27<sup>th</sup> and October 5<sup>th</sup>, 2012. The analytical reports of the Swenson potable well water sampling are included in Appendix A and are summarized in the attached Tables 3a and 3b.

Results of the Swenson potable well water sampling completed on April 27, 2012, indicate that benzene was just below the WDNR ES at a concentration of 4.95 µg/L. Subsequent potable well water sampling completed on October 5, 2012, indicated that benzene was above the WDNR ES at a concentration of 8.6 µg/L. Minor concentrations of other BTEX constituents were also identified within the drinking water samples collected on April 27<sup>th</sup> and October 5<sup>th</sup>, 2012 but were reported below WDNR PALs.

#### Site Drinking Water Well

Potable well water samples were collected from the Site Drinking Water Well during the periodic groundwater monitoring events. The Site drinking water well was sampled on April 27, and October 5, 2012, and the results are summarized in the attached Table 3. The results indicate that the drinking water was below laboratory detection limits for all laboratory analyzed constituents in both of the sampling events conducted during this reporting period.

Conclusions/Recommendations

Based on the continually high petroleum compounds detected in water collected from the Swenson well, Carlson McCain recommends that the potable water well at the Swenson Residence be equipped with a carbon treatment system or properly abandoned and reinstalled in an area away from the groundwater plume.

To further assess petroleum impacts observed in the on-site potable well, it is our recommendation that this well be sampled on a quarterly schedule to determine if a seasonal fluctuation may be responsible for the previously noted elevated benzene concentration.

Petroleum constituents in MW-2 appear to be generally declining. Semi-annual monitoring of the monitoring well network should continue to further document steady or declining trends. In addition, the continued monitoring of the monitoring well network is recommended to determine if there is a link between the source at the Site and the contamination observed in the off-site monitoring well (MW-4).

Following the completion of the continued sampling events and Swenson well modifications, the completion of an Annual Monitoring Report summarizing the results to date is recommended. At that time, it can be determined if additional work is necessary.

Closing

If you have any questions, or require additional information, please contact me at (763) 489-7900 (office).

"I, Jeffrey M. Neisse, hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03(1), Wis. Adm. Code, and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code."

Signature Kelly Street for Jeff Neisse Date 9-5-13

"I, Barbara A. Ryan, hereby certify that I am a registered professional geologist in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 10, Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in Ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs NR 700 to 726, Wis. Adm. Code."

Signature B Ryan Date 9/5/13

Cc: Mr. Trent Sprague (Moose Junction Lounge – Responsible Party)

Attachments: Tables

|          |   |
|----------|---|
| Table 1a | Water Level Measurements                          |
| Table 2  | Groundwater Monitoring Analytical Results         |
| Table 3a | Potable Well Laboratory Analytical Results        |
| Table 3b | Other Contaminants Detected in Potable Well Water |

Figures

|             |   |
|-------------|---|
| Figure 1    | Site Location Map                           |
| Figure 2    | Site Plan View                              |
| Figure 3a-  | Groundwater Isoconcentration Map 4/27/2012  |
| Figure 3b   | Groundwater Isoconcentration Map 10/05/2012 |
| Figures 4a- | Potentiometric Surface Map 4/27/2012        |
| Figures 4b  | Potentiometric Surface Maps 10/05/2012      |

Appendices

|            |                               |
|------------|-------------------------------|
| Appendix A | Laboratory Analytical Results |
| Appendix B | Field Forms                   |



Project *Noose Junction*

Project No. *2496*

*Arrive on site 1020*

*Stop in w/ Ms. Swanson - she directs me to outdoor spigot where she wants me to sample.  
Hose up & begin running well @ 10:50 am. ~~She~~ disconnected flushing hose 11:40 am & collected  
sample @ spigot.*

*TOALCO*

*Contracted bar owner 11:45 directed to site well. connected discharge hose @ tap 12 pm  
Flushed well. disconnected discharge hose & sampled from tap @ wellhead before pressure  
tank 12:25 pm (25 min purge)*

*Proceed w/ other site sampling.*

Signature

Date *10/5/12*

Lino Lakes, MN  
763-489-7900

Duluth, MN  
218-625-7004

Maple Plain, MN  
952-346-3900

Warrenville, IL  
630-836-0326

Bismarck, ND  
701-255-1475

Watford City, ND  
701-202-5147



Table 1  
 Water Level Measurements  
 Moose Junction Lounge  
 Dairyland, Wisconsin  
 BRRTS # 03-16-000301

| Sample ID#           | Date     | Depth of Water from Top of Riser | Product Thickness (inches) | Relative Groundwater Elevation |
|----------------------|----------|----------------------------------|----------------------------|--------------------------------|
| MW-1<br>TOC = 101.98 | 7/13/10  | 5.51                             | --                         | 96.47                          |
|                      | 11/23/10 | 5.57                             | --                         | 96.41                          |
|                      | 3/4/11   | 6.11                             | --                         | 95.87                          |
|                      | 7/22/11  | 5.41                             | --                         | 96.57                          |
|                      | 10/27/11 | 6.47                             | --                         | 95.51                          |
|                      | 1/26/12  | 7.41                             | --                         | 94.57                          |
|                      | 4/27/12  | 5.20                             | --                         | 96.78                          |
|                      | 10/05/12 | 7.82                             | --                         | 94.16                          |
| MW-2<br>TOC = 100.56 | 7/13/10  | 6.08                             | --                         | 94.48                          |
|                      | 11/23/10 | 6.15                             | --                         | 94.41                          |
|                      | 3/4/11   | 6.63                             | --                         | 93.93                          |
|                      | 7/22/11  | 5.86                             | --                         | 94.70                          |
|                      | 10/27/11 | 7.30                             | --                         | 93.26                          |
|                      | 1/26/12  | 7.99                             | --                         | 92.57                          |
|                      | 4/27/12  | 5.83                             | --                         | 94.73                          |
|                      | 10/05/12 | 8.25                             | --                         | 92.31                          |
| MW-3<br>TOC = 100.41 | 7/13/10  | 4.05                             | --                         | 96.36                          |
|                      | 11/23/10 | 3.54                             | --                         | 96.87                          |
|                      | 1/26/12  | 5.10                             | --                         | 95.31                          |
|                      | 4/27/12  | 3.33                             | --                         | 97.08                          |
|                      | 10/05/12 | 5.92                             | --                         | 94.49                          |
| MW-4<br>TOC = 96.82  | 7/13/10  | 4.81                             | --                         | 92.01                          |
|                      | 11/23/10 | 3.97                             | --                         | 92.85                          |
|                      | 3/4/11   | 4.16                             | --                         | 92.66                          |
|                      | 7/22/11  | 4.23                             | --                         | 92.59                          |
|                      | 10/27/11 | 4.69                             | --                         | 92.13                          |
|                      | 1/26/12  | 5.17                             | --                         | 91.65                          |
|                      | 4/27/12  | 3.99                             | --                         | 92.83                          |
|                      | 10/05/12 | 5.82                             | --                         | 91                             |
| MW-5R<br>TOC = 96.79 | 7/13/10  | 4.04                             | --                         | 92.75                          |
|                      | 11/23/10 | 4.34                             | --                         | 92.45                          |
|                      | 3/4/11   | 4.67                             | --                         | 92.12                          |
|                      | 7/22/11  | 4.15                             | --                         | 92.64                          |
|                      | 10/27/11 | 5.29                             | --                         | 91.50                          |
|                      | 1/26/12  | 5.67                             | --                         | 91.12                          |
|                      | 4/27/12  | 4.35                             | --                         | 92.44                          |
|                      | 10/05/12 | 6.28                             | --                         | 90.51                          |

Notes: Benchmark is the cement top of the Site septic system.  
 -- = No product observed.

Table 2  
Groundwater Monitoring Analytical Results  
Moose Junction Lounge  
Dairyland, Wisconsin  
BRRTS# 03-16-000301

| Sample ID#                 | Date       | Benzene  | Toluene  | Ethyl-<br>benzene | Xylenes  | MTBE     | 1,2,4-<br>TMB | 1,3,5-<br>TMB | Naphthalene |
|----------------------------|------------|----------|----------|-------------------|----------|----------|---------------|---------------|-------------|
| MW-1                       | 5/27/1993  | 41       | 210      | 22                | 820      | NA       | 96            | 190           | <1.00       |
|                            | 11/1/1993  | 48       | 7        | 22                | 61       | <5.00    | 68            |               | NA          |
|                            | 3/1/1994   | 212      | 14       | 25                | 154      | 23       | 66            |               | NA          |
|                            | 11/3/2013  | 8        | <0.60    | <0.20             | <3.00    | <0.70    | <2.00         |               | NA          |
|                            | 4/6/2013   | <0.10    | <0.20    | <0.50             | <2.00    | 0.11     | <2.00         |               | NA          |
|                            | 4/18/2007  | <0.25    | <0.11    | <0.22             | <0.39    | <0.23    | <0.25         | <0.19         | <0.50       |
|                            | 8/15/2007  | <0.25    | <0.11    | <0.22             | <0.39    | <0.23    | <0.25         | <0.19         | <0.50       |
|                            | 10/3/2007  | <0.25    | 0.46     | <0.22             | <0.39    | <0.23    | <0.25         | <0.19         | <0.50       |
|                            | 7/13/2010  | <0.31    | <0.37    | <0.50             | <1.39    | <0.30    | <0.40         | <0.44         | NA          |
|                            | 11/23/2010 | <0.31    | <0.37    | <0.50             | <1.39    | <0.30    | <0.40         | <0.44         | <2.00       |
|                            | 3/4/2011   | <0.14 j5 | <0.13 j5 | <0.14 j5          | <0.43 j5 | <0.30 j5 | <0.12 j5      | <0.14 j5      | <0.48 j5    |
|                            | 7/22/2011  | <0.31    | <0.37    | <0.50             | <1.39    | <0.30    | <0.40         | <0.44         | <2.00       |
|                            | 10/27/2011 | <0.31    | <0.37    | <0.50             | <1.39    | <0.30    | <0.40         | <0.44         | <2.00       |
| MW-2                       | 5/27/1993  | 19,000   | 29,000   | 1,600             | 16,500   | NA       | 390           | 470           | <1.00       |
|                            | 11/1/1993  | 10,500   | 10,100   | 2,130             | 9,090    | 55       | 2,670         |               | NA          |
|                            | 3/1/1994   | 55,200   | 51,200   | 4,000             | 29,800   | 570      | 8,020         |               | NA          |
|                            | 11/3/2013  | 6,400    | 3,800    | 840               | 5,330    | <69.0    | 1,630         |               | NA          |
|                            | 4/6/2013   | 4,900    | 770      | 720               | 3,300    | <6.00    | 1,430         |               | NA          |
|                            | 4/18/2007  | 77       | 130      | 23                | 260      | <0.23    | 79            | 33            | 12          |
|                            | 8/15/2007  | 8,600    | 17,000   | 1,600             | 14,000   | <46      | 2,100         | 630           | 550         |
|                            | 10/3/2007  | 170      | 450      | 41                | 630      | <2.30    | 130           | 51            | 20          |
|                            | 7/13/2010  | 4,060    | 1,410    | 866               | 7,240    | 50.1     | 1,360         | 425           | NA          |
|                            | 11/23/2010 | 4,100    | 4,860    | 622               | 6,990    | 68.4 J   | 1,580         | 649           | 443         |
|                            | 3/4/2011   | 6,000    | 7,700    | 750               | 870      | 42 j5    | 1,200         | 480           | 290 n       |
|                            | 7/22/2011  | 7,310    | 9,780    | 1,110             | 11,090   | <30.0    | 1,280         | 533           | 352         |
|                            | 10/27/2011 | 6,930    | 13,800   | 1,980             | 12,330   | <30.0    | 1,440         | 468           | 432         |
|                            | 1/26/2012  | 8,350    | 19,900   | 2,500             | 16,530   | <30.0    | 1,920         | 592           | 586         |
|                            | 4/27/2012  | 2,930    | 4,270    | 1,670             | 6,860    | <60.0    | 1,000         | 377 J         | 578         |
| 10/5/2012                  | 5,600      | 13,000   | 1,900    | 12,400            | 280      | 1,500    | 420           | 580           |             |
| Preventative Action Limits |            | 0.5      | 160      | 140               | 400      | 12       | 96 Combined   |               | 10          |
| Enforcement Standards      |            | 5        | 800      | 700               | 2,000    | 60       | 480 Combined  |               | 100         |

Notes: All concentrations are listed in ug/l (ppb) unless otherwise stated.  
J = estimated concentration below laboratory quantitation level  
j5 = estimated value. The value is reported to the limit of detection  
MTBE = methyl-tert-butyl-ether  
n = matrix spike recovery not within control limits  
TMB = trimethylbenzene  
Italicized indicates concentration has exceeded the Preventative Action Limit  
Bold indicates the concentration exceeds the Enforcement standards

Table 2  
Groundwater Monitoring Analytical Results  
Moose Junction Lounge  
Dairyland, Wisconsin  
BRRTS# 03-16-000301

| Sample ID#                 | Date       | Benzene     | Toluene  | Ethyl-<br>benzene | Xylenes    | MTBE     | 1,2,4-<br>TMB | 1,3,5-<br>TMB | Naphthalene |
|----------------------------|------------|-------------|----------|-------------------|------------|----------|---------------|---------------|-------------|
| MW-3                       | 5/27/1993  | <1.00       | <1.00    | <1.00             | <2.00      | NA       | <1.00         | <1.00         | <1.00       |
|                            | 4/18/2007  | <0.25       | <0.11    | <0.22             | <0.39      | <0.23    | <0.25         | <0.19         | <0.50       |
|                            | 7/13/2010  | <0.31       | <0.37    | <0.50             | <1.39      | <0.30    | <0.40         | <0.44         | NA          |
|                            | 11/23/2010 | <0.31       | <0.37    | <0.50             | <1.39      | <0.30    | <0.40         | <0.44         | <2.00       |
|                            | 1/26/2012  | <0.31       | <0.37    | <0.50             | <1.39      | <0.30    | <0.40         | <0.44         | <2.00       |
| MW-4                       | 5/27/1993  | 3           | <1.00    | <1.00             | <2.00      | NA       | <1.00         | <1.00         | <1.00       |
|                            | 11/1/1993  | <0.50       | <5.00    | <5.00             | <5.00      | <5.00    | <5.00         | <5.00         | NA          |
|                            | 3/1/1994   | <0.50       | <5.00    | <5.00             | <5.00      | <5.00    | <5.00         | <5.00         | NA          |
|                            | 11/3/2013  | <0.50       | <5.00    | <5.00             | <5.00      | <5.00    | <5.00         | <5.00         | NA          |
|                            | 4/6/2013   | <0.50       | <5.00    | <5.00             | <5.00      | <5.00    | <5.00         | <5.00         | NA          |
|                            | 4/18/2007  | <0.25       | <0.11    | <0.22             | <0.39      | <0.23    | <0.25         | <0.19         | <0.50       |
|                            | 8/15/2007  | 74          | 0.24 J   | <0.22             | 0.70 J     | <0.23    | <0.25         | <0.19         | <0.50       |
|                            | 10/3/2007  | <0.25       | 0.42     | <0.22             | <0.39      | <0.23    | <0.25         | <0.19         | <0.50       |
|                            | 7/13/2010  | <b>11.5</b> | <0.37    | <0.50             | <1.39      | <0.30    | <0.40         | <0.44         | NA          |
|                            | 11/23/2010 | 2.6         | <0.37    | <0.50             | <1.39      | <0.30    | <0.40         | <0.44         | <2.00       |
|                            | 3/4/2011   | <b>21</b>   | <0.13 j5 | <0.14 j5          | <0.43 j5   | <0.30 j5 | <0.12 j5      | <0.14 j5      | <0.48 j5    |
|                            | 7/22/2011  | <b>70.6</b> | 0.448 J  | <0.50             | <1.39      | <0.30    | <0.40         | <0.44         | <2.00       |
|                            | 10/27/2011 | <b>41.1</b> | <0.37    | <0.50             | <1.39      | <0.30    | <0.40         | <0.44         | <2.00       |
|                            | 1/26/2012  | <b>77</b>   | 0.577 J  | <0.50             | 0.943 J    | <0.30    | <0.40         | <0.44         | <2.00       |
|                            | 4/27/2012  | <0.31       | <0.37    | <0.50             | <1.39      | <0.30    | <0.40         | <0.44         | <2.00       |
| 10/5/2012                  | <b>110</b> | <5.0        | <0.50    | 2.75              | <b>4.9</b> | <1.0     | <1.0          | <5.0          |             |
| Preventative Action Limits |            | 0.5         | 160      | 140               | 400        | 12       | 96 Combined   |               | 10          |
| Enforcement Standards      |            | 5           | 800      | 700               | 2,000      | 60       | 480 Combined  |               | 100         |

Notes: All concentrations are listed in ug/l (ppb) unless otherwise stated.  
 J = estimated concentration below laboratory quantitation level  
 j5 = estimated value. The value is reported to the limit of detection  
 MTBE = methyl-tert-butyl-ether  
 n = matrix spike recovery not within control limits  
 TMB = trimethylbenzene  
 Italicized indicates concentration has exceeded the Preventative Action Limit  
 Bold indicates the concentration exceeds the Enforcement standards

Table 2  
Groundwater Monitoring Analytical Results  
Moose Junction Lounge  
Dairyland, Wisconsin  
BRRTS# 03-16-000301

| Sample ID#                 | Date       | Benzene  | Toluene  | Ethyl-<br>benzene | Xylenes  | MTBE     | 1,2,4-<br>TMB | 1,3,5-<br>TMB | Naphthalene |
|----------------------------|------------|----------|----------|-------------------|----------|----------|---------------|---------------|-------------|
| MW-5                       | 4/18/07    | <0.25    | 0.13 J   | <0.22             | <0.39    | <0.23    | <0.25         | <0.19         | <0.50       |
|                            | 8/15/2007  | <0.25    | <0.11    | <0.22             | <0.39    | <0.23    | <0.25         | <0.19         | <0.50       |
|                            | 10/3/2007  | <0.25    | 0.29 J   | <0.22             | <0.39    | <0.23    | <0.25         | <0.19         | <0.50       |
| MW-5R                      | 7/13/2010  | <0.31    | <0.37    | <0.50             | <1.39    | <0.30    | <0.40         | <0.44         | NA          |
|                            | 11/23/2010 | <0.31    | <0.37    | <0.50             | <1.39    | <0.30    | <0.40         | <0.44         | <2.00       |
|                            | 3/4/2011   | <0.14 j5 | <0.13 j5 | <0.14 j5          | <0.43 j5 | <0.30 j5 | <0.12 j5      | <0.14 j5      | <0.48 j5    |
|                            | 7/22/2011  | <0.31    | <0.37    | <0.50             | <1.39    | <0.30    | <0.40         | <0.44         | <2.00       |
|                            | 10/27/2011 | <0.31    | <0.37    | <0.50             | <1.39    | <0.30    | <0.40         | <0.44         | <2.00       |
|                            | 1/26/2012  | <0.31    | <0.37    | <0.50             | <1.39    | <0.30    | <0.40         | <0.44         | <2.00       |
|                            | 4/27/2012  | <0.31    | <0.37    | <0.50             | <1.39    | <0.30    | <0.40         | <0.44         | <2.00       |
|                            | 10/5/2012  | <0.50    | <5.0     | <0.50             | <1.50    | <1.0     | <1.0          | <1.0          | <5.0        |
| Trip Blank                 | 4/18/2007  | <0.25    | 0.15 J   | <0.22             | <0.39    | <0.23    | <0.25         | <0.19         | <0.50       |
|                            | 8/15/2007  | <0.25    | 0.18 J   | <0.22             | <0.39    | <0.23    | <0.25         | <0.19         | <0.50       |
|                            | 7/13/2010  | <0.31    | <0.37    | <0.50             | <1.39    | <0.30    | <0.40         | <0.44         | NA          |
|                            | 11/23/2010 | <0.31    | <0.37    | <0.50             | <1.39    | <0.30    | <0.40         | <0.44         | <2.00       |
|                            | 3/4/2011   | <0.14 j5 | <0.13 j5 | <0.14 j5          | <0.43 j5 | <0.30 j5 | <0.12 j5      | <0.14 j5      | <0.48 j5    |
|                            | 7/22/2011  | <0.31    | <0.37    | <0.50             | <1.39    | <0.30    | <0.40         | <0.44         | <2.00       |
|                            | 10/27/2011 | <0.31    | <0.37    | <0.50             | <1.39    | <0.30    | <0.40         | <0.44         | <2.00       |
|                            | 1/26/2012  | <0.31    | <0.37    | <0.50             | <1.39    | <0.30    | <0.40         | <0.44         | <2.00       |
|                            | 4/27/2012  | <0.31    | <0.37    | <0.50             | <1.39    | <0.30    | <0.40         | <0.44         | <2.00       |
| 10/5/2012                  | <0.31      | 0.7      | <0.50    | <1.39             | <0.30    | <0.40    | <0.44         | <2.00         |             |
| Preventative Action Limits |            | 0.5      | 160      | 140               | 400      | 12       | 96 Combined   |               | 10          |
| Enforcement Standards      |            | 5        | 800      | 700               | 2,000    | 60       | 480 Combined  |               | 100         |

Notes: All concentrations are listed in ug/l (ppb) unless otherwise stated.  
 J = estimated concentration below laboratory quantitation level  
 j5 = estimated value. The value is reported to the limit of detection  
 MTBE = methyl-tert-butyl-ether  
 n = matrix spike recovery not within control limits  
 TMB = trimethylbenzene  
 Italicized indicates concentration has exceeded the Preventative Action Limit  
 Bold indicates the concentration exceeds the Enforcement standards



Table 3a  
Potable Well Laboratory Analytical Results  
Moose Junction Lounge  
Dairyland, Wisconsin  
BRRS# 03-16-000301

| Sample ID#               | Date       | Benzene     | Toluene | Ethyl benzene | Xylenes | MTBE   | 1,2,4-TMB    | 1,3,5-TMB | 1,2-Dichloro-ethane | Isopropyl-benzene |
|--------------------------|------------|-------------|---------|---------------|---------|--------|--------------|-----------|---------------------|-------------------|
| Swenson Potable Well     | 11/1/2003  | <0.50       | <0.60   | 2.6           | 4.4     | <0.70  | 0.55         |           | NA                  | NA                |
|                          | 4/1/2006   | 4.3         | <0.25   | 1.41          | 1.4     | <0.40  | 0.59         |           | NA                  | NA                |
|                          | 4/18/2007  | <b>15.8</b> | 0.53 J  | 4.25          | <1.00   | <0.20  | 1.97         | 0.97      | <0.20               | 0.29              |
|                          | 5/15/2007  | <0.20       | <0.40   | 0.42 J        | <1.00   | <0.20  | <0.20        | <0.20     | <0.20               | <0.10             |
|                          | 10/3/2007  | <0.050      | 0.88    | 0.10 J        | 0.37    | <0.050 | 0.12 J       | <0.050    | <0.050              | <0.050            |
|                          | 7/13/2010  | <b>5.29</b> | <0.40   | 3.25          | 3.05    | <0.50  | 0.99         | 0.99      | 0.36 J              | <0.20             |
|                          | 8/3/2010   | 4.8         | <0.40   | 2.65          | 3.12    | <0.50  | 0.94         | 1.22      | 0.34 J              | <0.20             |
|                          | 11/23/2010 | <b>21.6</b> | 0.61 J  | 7.99          | 8.01    | <0.50  | 3.94         | 1.94      | <0.30               | 0.48 J            |
|                          | 3/4/2011   | <b>6.1</b>  | <0.50   | 3.4           | 2.7     | <0.50  | 0.82         | <0.50     | <0.50               | <0.50             |
|                          | 7/22/2011  | <0.20       | <0.40   | <0.20         | <1.00   | <0.50  | <0.20        | <0.20     | <0.30               | <0.20             |
|                          | 10/27/2011 | <0.20       | <0.40   | <0.20         | <1.00   | <0.50  | <0.20        | <0.20     | <0.30               | <0.20             |
|                          | 1/26/2012  | <b>12.7</b> | <0.40   | 4.63          | 4.05    | <0.50  | 1.91         | 1.31      | <0.30               | 0.30 J            |
|                          | 4/27/2012  | 4.95        | <0.40   | 2.32          | 1.9     | <0.50  | 1.02         | 0.52      | <0.30               | <0.20             |
|                          | 10/5/2012  | <b>8.6</b>  | <0.50   | 2.6           | 3.3     | <0.50  | NA           | NA        | <0.50               | NA                |
| Site Potable Well        | 5/27/1993  | <1.00       | <1.00   | <1.00         | <2.00   | NA     | <1.00        | <1.00     | <1.00               | <1.00             |
|                          | 4/1/2006   | <0.17       | <0.25   | <0.20         | <0.51   | <0.34  | <1.40        |           | NA                  | NA                |
|                          | 4/18/2007  | <0.20       | 0.49 J  | <0.10         | <1.00   | <0.20  | <0.20        | <0.20     | <0.20               | <0.10             |
|                          | 10/3/2007  | <0.050      | 0.35    | <0.050        | <0.050  | <0.050 | <0.050       | <0.050    | <0.050              | <0.050            |
|                          | 10/27/2011 | <b>8.36</b> | <0.40   | 4.62          | 4.48    | <0.50  | 1.88         | 1.65      | 0.47 J              | 0.24 J            |
|                          | 1/26/2012  | <0.20       | <0.40   | <0.20         | <1.00   | <0.50  | <0.20        | <0.20     | <0.30               | <0.20             |
|                          | 3/15/2012  | <0.20       | <0.40   | <0.20         | <1.00   | <0.50  | <0.20        | <0.20     | <0.30               | <0.20             |
|                          | 4/27/2012  | <0.20       | <0.40   | <0.20         | <1.00   | <0.50  | <0.20        | <0.20     | <0.30               | <0.20             |
| 10/5/2012                | <0.50      | <0.50       | <0.50   | <0.50         | <0.50   | NA     | NA           | <0.50     | NA                  |                   |
| Trip Blank               | 4/18/2007  | <0.20       | 0.87 J  | <0.10         | <1.00   | <0.20  | <0.20        | <0.20     | <0.20               | <0.10             |
|                          | 5/15/2007  | <0.20       | <0.40   | <0.10         | <1.00   | <0.20  | <0.20        | <0.20     | <0.20               | <0.10             |
|                          | 7/13/2010  | <0.20       | <0.40   | <0.20         | <1.00   | <0.50  | <0.20        | <0.20     | <0.30               | <0.20             |
|                          | 8/3/2010   | <0.20       | <0.40   | <0.20         | <1.00   | <0.50  | <0.20        | <0.20     | <0.30               | <0.20             |
|                          | 11/23/2010 | <0.20       | <0.40   | <0.20         | <1.00   | <0.50  | <0.20        | <0.20     | <0.30               | <0.20             |
|                          | 3/4/2011   | <0.50       | <0.50   | <0.50         | <1.50   | <0.50  | <0.50        | <0.50     | <0.50               | <0.50             |
|                          | 7/22/2011  | <0.20       | <0.40   | <0.20         | <1.00   | <0.50  | <0.20        | <0.20     | <0.30               | <0.20             |
|                          | 10/27/2011 | <0.20       | <0.40   | <0.20         | <1.00   | <0.50  | <0.20        | <0.20     | <0.30               | <0.20             |
|                          | 1/26/2012  | <0.20       | <0.40   | <0.20         | <1.00   | <0.50  | <0.20        | <0.20     | <0.30               | <0.20             |
| 4/27/2012                | <0.20      | <0.40       | <0.20   | <1.00         | <0.50   | <0.20  | <0.20        | <0.30     | <0.20               |                   |
| 10/5/2012                | <0.50      | 0.70        | <0.50   | <0.50         | <0.50   | NA     | NA           | <0.50     | NA                  |                   |
| Preventive Action Limits |            | 0.5         | 160     | 140           | 400     | 12     | 96 combined  |           | 0.5                 | NS                |
| Enforcement Standards    |            | 5           | 800     | 700           | 2,000   | 60     | 480 combined |           | 5                   | NS                |

Notes: All concentrations are listed in ug/l (ppb) unless otherwise stated.  
 J = Estimated concentration below laboratory quantitation level  
 MTBE = methyl-tert-butyl-ether  
 NA = Not analyzed; NS = No standard  
 Italics indicates concentration has exceeded the Preventative Action Limit  
 Bold indicates concentration has exceeded the Enforcement Standard  
 TMB = trimethylbenzene



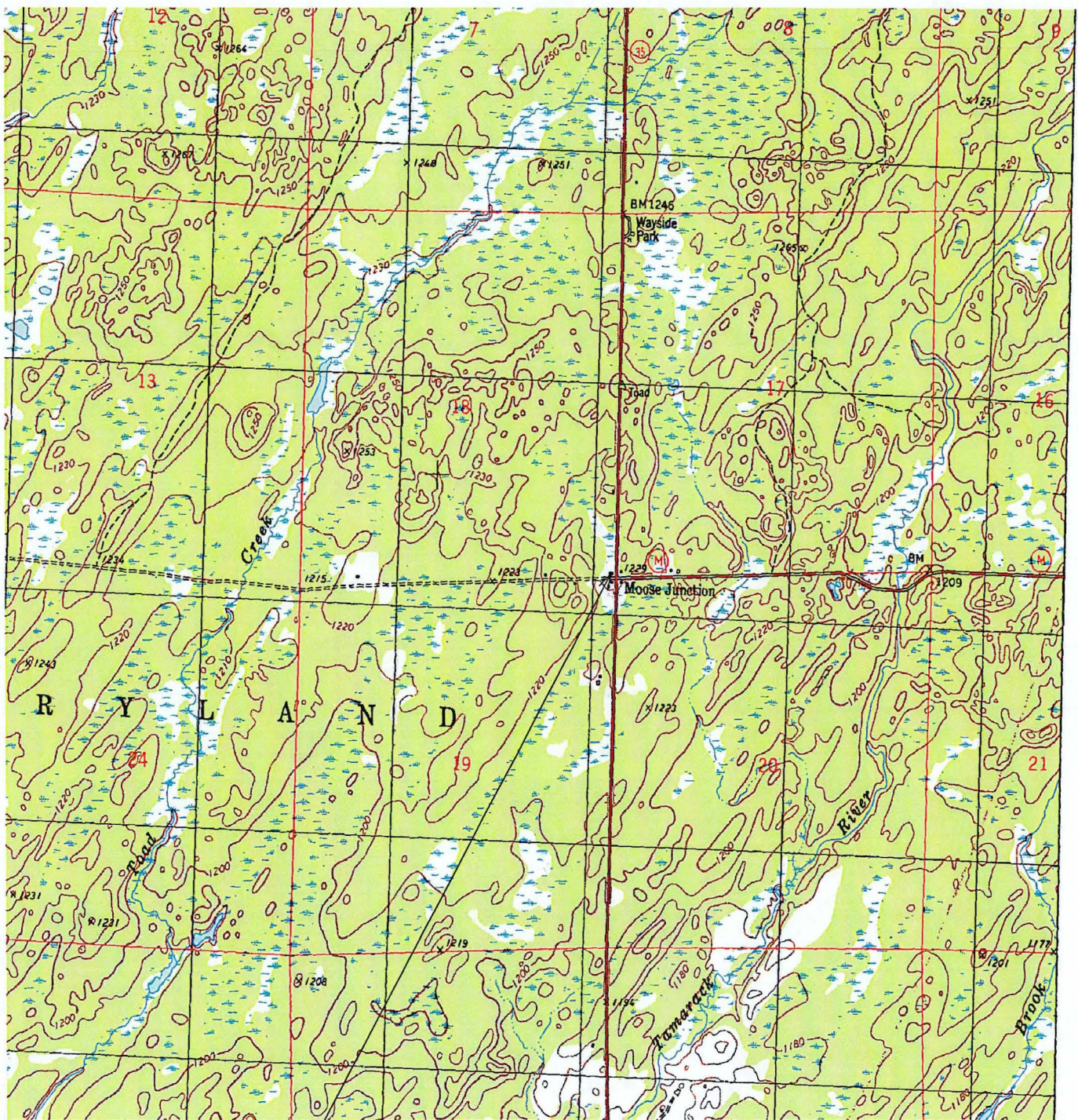
Table 3b  
Other Contaminants Detected in Potable Water  
Moose Junction Lounge  
Dairyland, Wisconsin  
BRRTS# 03-16-000301

| Sample ID#                  | Date       | Chloro-<br>methane | Methylene<br>Chloride | 1,4-<br>Dichloro-<br>benzene | Naph-<br>thalene | 1,1,1-<br>Trichloro-<br>ethane | Bromo-<br>benzene | Chlorofo-<br>r<br>m | GRO  | Lead |
|-----------------------------|------------|--------------------|-----------------------|------------------------------|------------------|--------------------------------|-------------------|---------------------|------|------|
| Swenson<br>Potable<br>Well  | 5/27/1993  | NA                 | NA                    | NA                           | NA               | NA                             | NA                | NA                  | <100 | 7    |
|                             | 11/3/2013  | -                  | -                     | -                            | -                | -                              | -                 | -                   | NA   | NA   |
|                             | 4/6/2013   | -                  | -                     | -                            | -                | -                              | -                 | -                   | NA   | NA   |
|                             | 4/18/2007  | <0.30              | <0.40                 | <0.80                        | <1.00            | <0.20                          | <0.20             | <0.20               | NA   | NA   |
|                             | 5/15/2007  | <0.30              | <0.40                 | <0.80                        | <1.00            | <0.20                          | <0.20             | <0.20               | NA   | NA   |
|                             | 10/3/2007  | 0.16 J             | 0.40 J, S2            | 0.56                         | 1.4              | 0.17                           | <0.050            | <0.050              | NA   | NA   |
|                             | 7/13/2010  | <0.40              | <0.40                 | <0.80                        | <1.00            | <0.50                          | <0.30             | <0.20               | NA   | NA   |
|                             | 8/3/2010   | <0.40              | <0.40                 | <0.80                        | <1.00            | <0.50                          | <0.30             | <0.20               | NA   | NA   |
|                             | 11/23/2010 | <0.40              | <0.40                 | <0.80                        | <1.00            | <0.50                          | <0.30             | <0.20               | NA   | NA   |
|                             | 3/10/2011  | <1.00              | <4.00                 | <0.50                        | <1.00            | <0.50                          | <0.50             | <0.50               | NA   | NA   |
| 7/22/2011                   | <0.40      | <0.40              | <0.80                 | <1.00                        | <0.50            | <0.30                          | <0.20             | NA                  | NA   |      |
| 10/27/2011                  | <0.40      | <0.40              | <0.80                 | <1.00                        | <0.50            | <0.30                          | <0.20             | NA                  | NA   |      |
| 1/26/2012                   | 0.89 J     | <0.40              | <0.80                 | <1.00                        | <0.50            | <0.30                          | <0.20             | NA                  | NA   |      |
| Site<br>Potable<br>Well     | 5/27/1993  | <1.00              | <1.00                 | <1.00                        | <1.00            | <1.00                          | <1.00             | <1.00               | <100 | <2.0 |
|                             | 4/6/2013   | -                  | -                     | -                            | -                | -                              | -                 | -                   | NA   | NA   |
|                             | 4/18/2007  | <0.30              | <0.40                 | <0.80                        | <1.00            | <0.20                          | <0.20             | <0.20               | NA   | NA   |
|                             | 10/3/2007  | 0.11 J             | 0.28 J, S2            | <0.050                       | <0.25            | <0.050                         | <0.050            | <0.050              | NA   | NA   |
|                             | 10/27/2011 | <0.40              | <0.40                 | <0.80                        | <1.00            | <0.50                          | 0.79 J            | 0.39 J              | NA   | NA   |
|                             | 1/26/2012  | <0.40              | <0.40                 | <0.80                        | <1.00            | <0.50                          | <0.30             | <0.20               | NA   | NA   |
| Trip Blank                  | 4/18/2007  | <0.30              | <0.40                 | <0.80                        | <1.00            | <0.20                          | <0.20             | <0.20               | NA   | NA   |
|                             | 5/15/2007  | <0.30              | <0.40                 | <0.80                        | <1.00            | <0.20                          | <0.20             | <0.20               | NA   | NA   |
|                             | 7/13/2010  | <0.40              | <0.40                 | <0.80                        | <1.00            | <0.50                          | <0.30             | <0.20               | NA   | NA   |
|                             | 8/3/2010   | <0.40              | <0.40                 | <0.80                        | <1.00            | <0.50                          | <0.30             | <0.20               | NA   | NA   |
|                             | 11/23/2010 | <0.40              | <0.40                 | <0.80                        | <1.00            | <0.50                          | <0.30             | <0.20               | NA   | NA   |
|                             | 3/10/2011  | <1.00              | <4.00                 | <0.50                        | <1.00            | <0.50                          | <0.50             | <0.50               | NA   | NA   |
|                             | 7/22/2011  | <0.40              | <0.40                 | <0.80                        | <1.00            | <0.50                          | <0.30             | <0.20               | NA   | NA   |
|                             | 10/27/2011 | <0.40              | <0.40                 | <0.80                        | <1.00            | <0.50                          | <0.30             | <0.20               | NA   | NA   |
| 1/26/2012                   | <0.40      | <0.40              | <0.80                 | <1.00                        | <0.50            | <0.30                          | <0.20             | NA                  | NA   |      |
| Preventive Action<br>Limits |            | 3                  | 0.5                   | 15                           | 10               | 40                             | NS                | 0.6                 | NS   | 1.5  |
| Enforcement Standards       |            | 30                 | 5                     | 75                           | 100              | 200                            | NS                | 6                   | NS   | 15   |

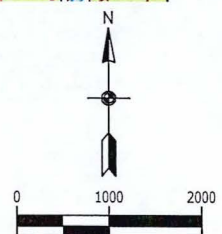
Notes: All concentrations are listed in ug/l (ppb) unless otherwise stated.  
 GRO = gasoline range organics  
 J = Estimated concentration below laboratory quantitation level  
 NA = Not analyzed; - = Data not available  
 NS = No standard  
 Italics indicates concentration has exceeded the Preventative Action Limit  
 Bold indicates concentration has exceeded the Enforcement Standard  
 S2 = Compound is a common lab solvent and contaminant







SITE LOCATION



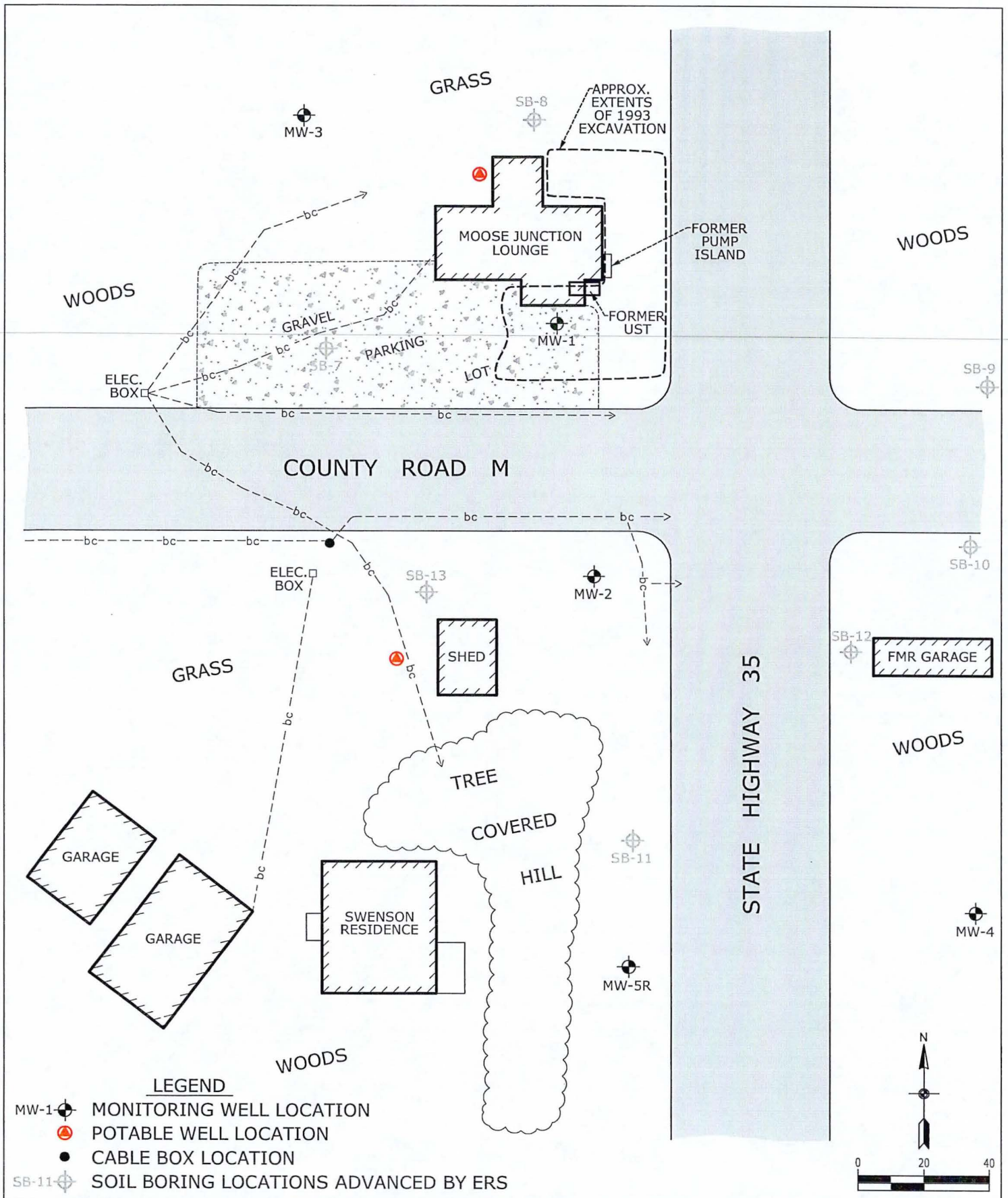
SOURCE: USGS MOOSE JUNCTION 7.5 MIN. QUADRANGLE



**INJECTION REPORT**  
 Moose Junction Lounge  
 13195 Highway 35 South  
 Dairyland, Wisconsin  
 Carlson Project No.: 2490-00

**FIGURE 1**  
**SITE LOCATION MAP**

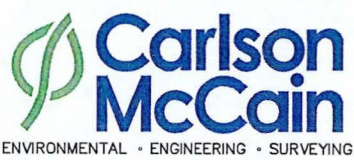




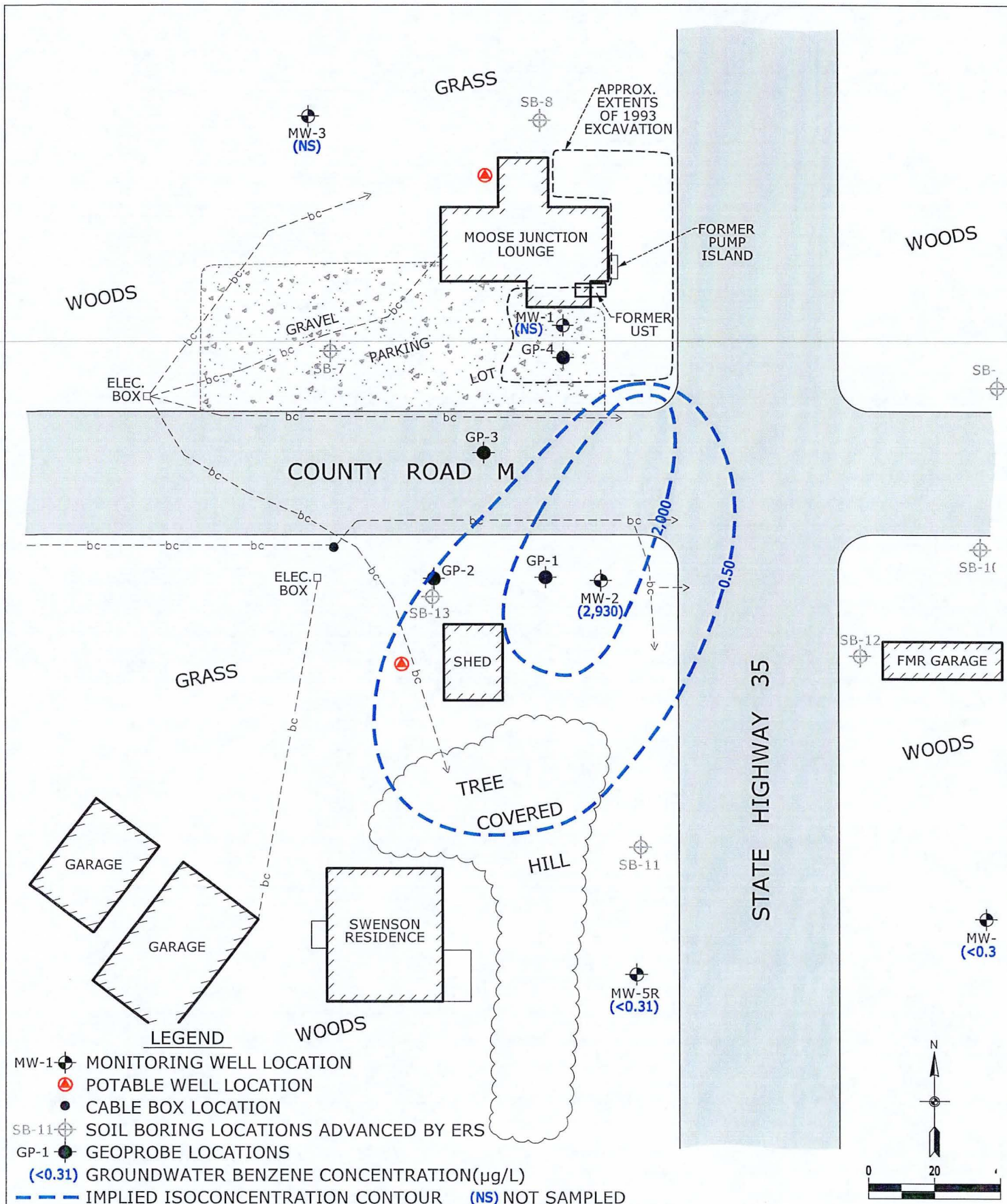
- LEGEND**
- MW-1 MONITORING WELL LOCATION
  - POTABLE WELL LOCATION
  - CABLE BOX LOCATION
  - SB-11 SOIL BORING LOCATIONS ADVANCED BY ERS

ANNUAL MONITORING REPORT  
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 Dairyland, Wisconsin  
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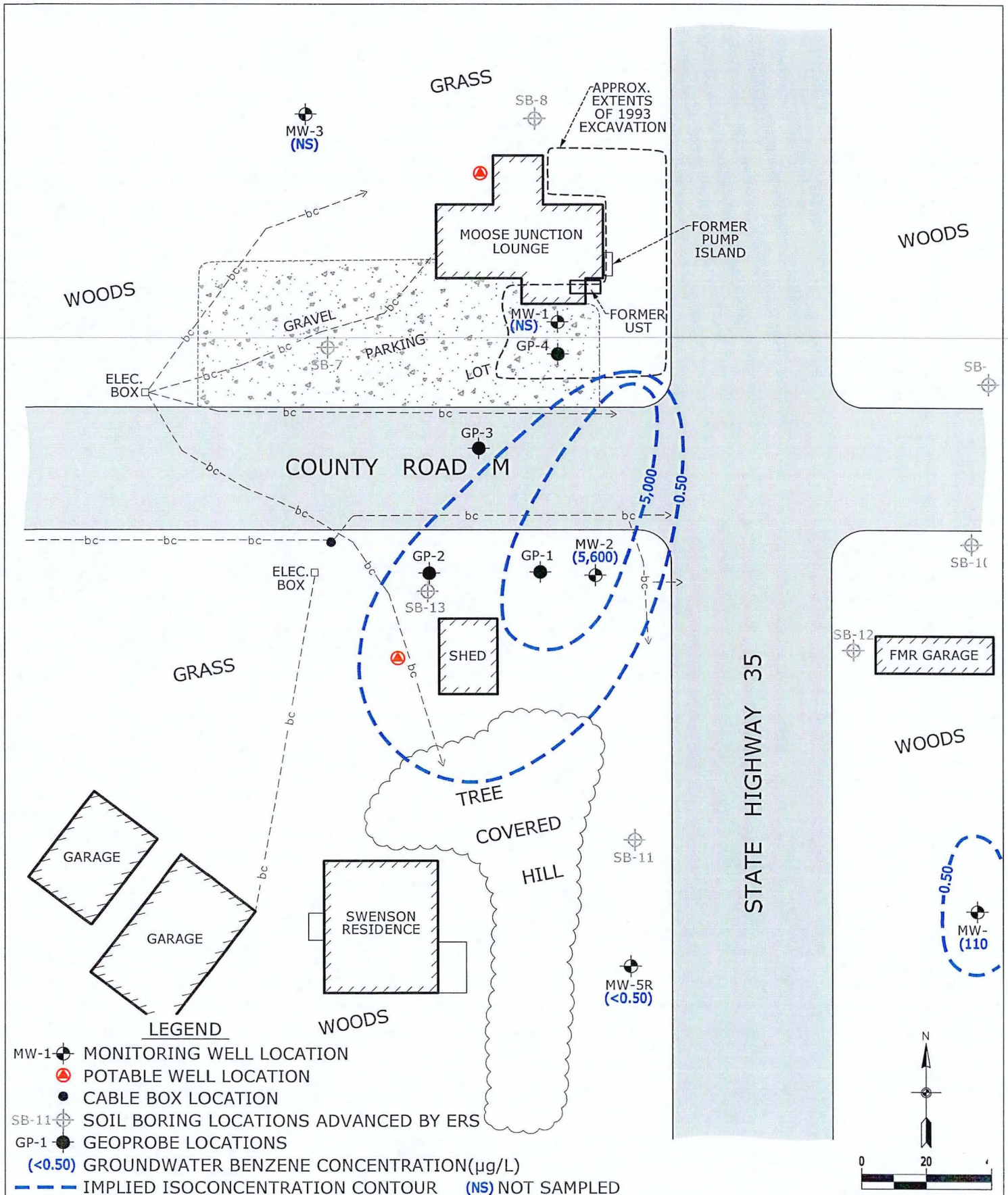
FIGURE 2  
 SITE PLAN VIEW



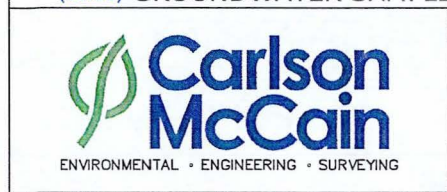
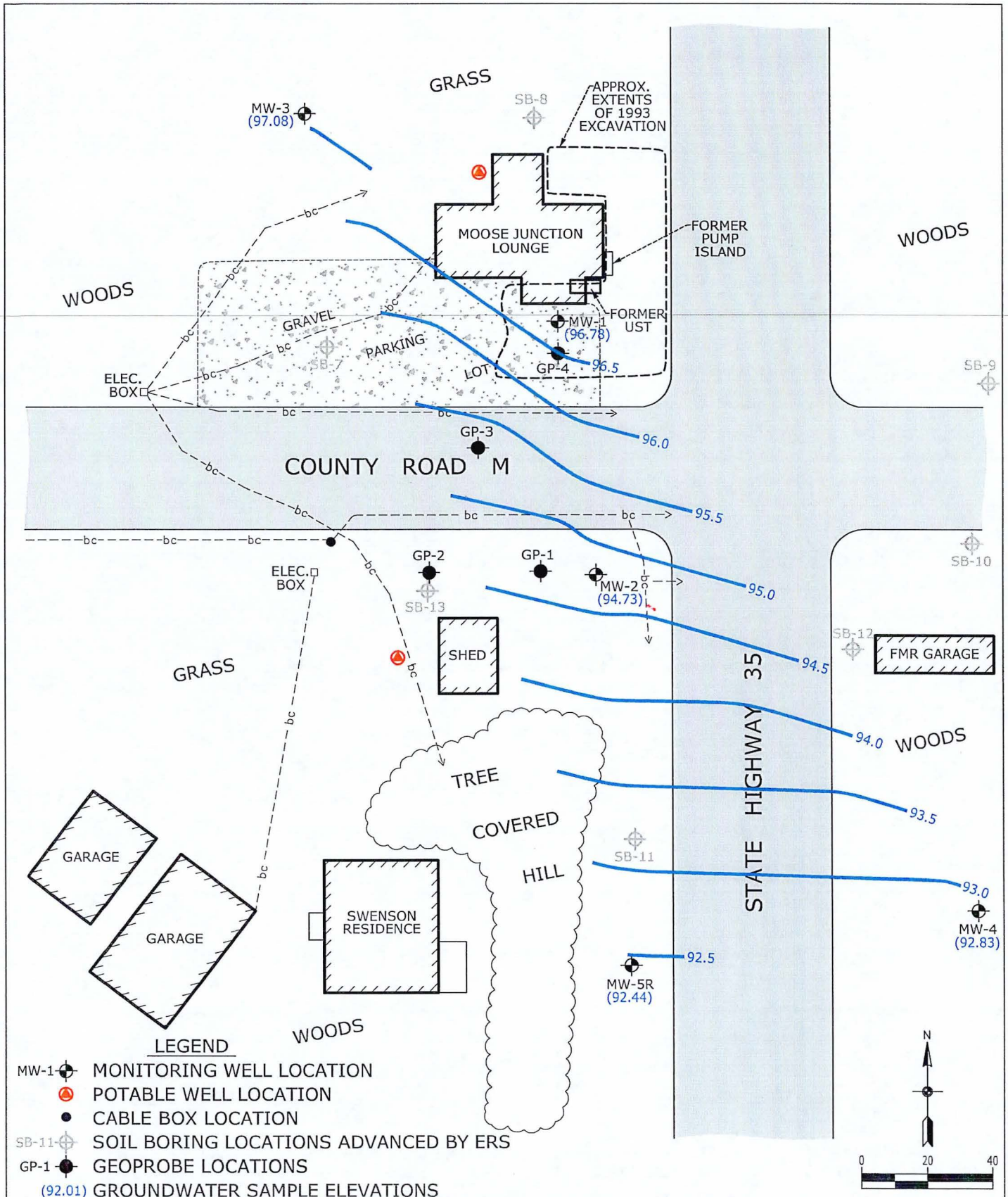








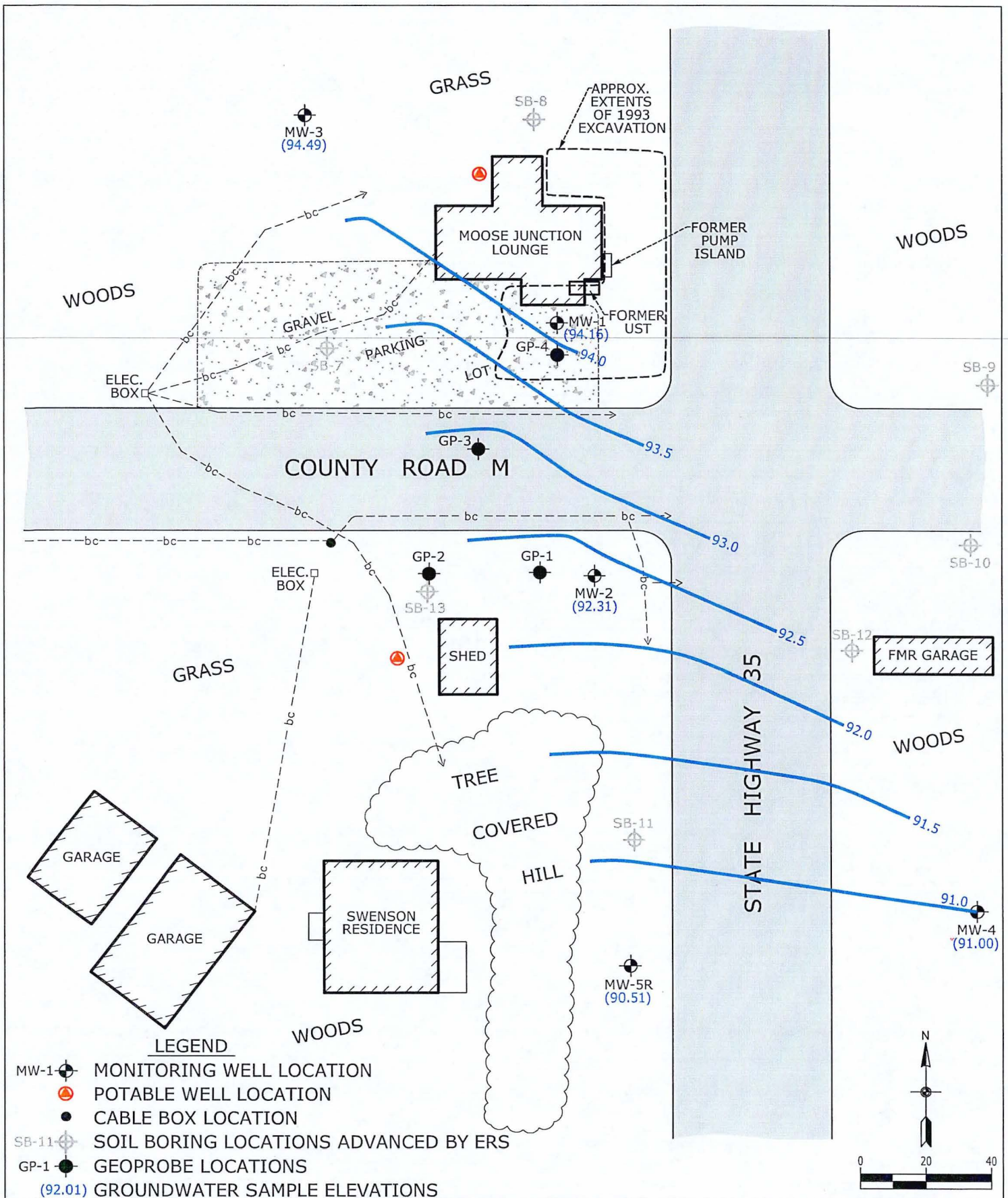




ANNUAL MONITORING REPORT  
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 Dairyland, Wisconsin  
 Carlson Project No.: 2490-00

FIGURE 4a  
 POTENTIOMETRIC  
 SURFACE MAP  
 04/27/12





**FIGURE 4b**  
**POTENTIOMETRIC**  
**SURFACE MAP**  
 10/05/12



**ANNUAL MONITORING REPORT**  
 Moose Junction Lounge  
 13195 Highway 35 South  
 Dairyland, Wisconsin  
 Carlson Project No.: 2490-00



# SIEMENS

May 09, 2012

Carlson McCain, Inc.  
1011 East Central Entrance, STE 100  
Duluth, MN 55811

Attn: Hillary McGown

REPORT NO.: 1205013

PROJECT NO.: Moose Junction Lounge #2490-00

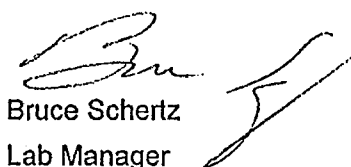
Please find enclosed the analytical report, including the Sample Summary, Sample Narrative and Chain of Custody for your sample set received May 1, 2012.

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

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

Sincerely,

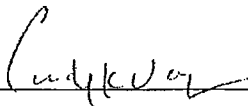
Siemens Industry, Inc.

  
Bruce Schertz  
Lab Manager

Enviroscan Analytical™ Services

*I certify that the data contained in this report has been generated and reviewed in accordance with the Siemens Industry, Inc. Quality Assurance Manual. 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 Industry, Inc. reserves the right to return samples identified as hazardous. Release of this Final Report is authorized as verified by the following signature. The contents of this report apply to the sample(s) analyzed. No duplication of this report is allowed except in its entirety.*

Reviewed by: \_\_\_\_\_



**Certifications:**

Wisconsin 737053130  
Minnesota 055-999-302  
Illinois 100317



Siemens Industry, Inc.

301 West Military Road  
Rothschild, WI 54474

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[www.siemens.com/enviroscan](http://www.siemens.com/enviroscan)

The total number of pages in this report, including this page is 12.

# SIEMENS

## SAMPLE SUMMARY

| <u>Lab Id</u> | <u>Client</u> | <u>Sample Id</u> | <u>Date/Time</u> | <u>Matrix</u>  |
|---------------|---------------|------------------|------------------|----------------|
| 1205013-01    | MW-2          |                  | 04/27/12 13:50   | Ground Water   |
| 1205013-02    | MW-4          |                  | 04/27/12 13:05   | Ground Water   |
| 1205013-03    | MW-5R         |                  | 04/27/12 12:00   | Ground Water   |
| 1205013-04    | Trip Blank    |                  | 04/27/12 00:00   | Water          |
| 1205013-05    | Site Well     |                  | 04/27/12 14:10   | Drinking Water |
| 1205013-06    | Swenson Well  |                  | 04/27/12 11:10   | Drinking Water |
| 1205013-07    | Trip Blank    |                  | 04/27/12 00:00   | Water          |

# SIEMENS

Carlson McCain, Inc.  
1011 East Central Entrance, STE 100  
Duluth, MN 55811

PROJECT NO. : Moose Junction Lounge #2490-00  
REPORT NO. : 1205013  
DATE REC'D: 05/01/12 15:32  
REPORT DATE : 05/09/12 13:05  
PREPARED BY : BMS

Attn: Hillary McGown

Sample ID: MW-2

Matrix: Ground Water

Sample Date/Time: 04/27/12 13:50

Lab No. : 1205013-01

|                         | <u>Results</u> | <u>Units</u> | <u>LOD</u> | <u>LOQ</u> | <u>Dilution Factor</u> | <u>Qualifiers</u> | <u>Date Analyzed</u> | <u>Analyst</u> |
|-------------------------|----------------|--------------|------------|------------|------------------------|-------------------|----------------------|----------------|
| <b>EPA 8021B</b>        |                |              |            |            |                        |                   |                      |                |
| 1,2,4-Trimethylbenzene  | 1000           | ug/L         | 80.0       | 400        | 200                    |                   | 05/02/12             | ALZ            |
| 1,3,5-Trimethylbenzene  | 377            | ug/L         | 88.0       | 400        | 200                    | J                 | 05/02/12             | ALZ            |
| Benzene                 | 2930           | ug/L         | 62.0       | 400        | 200                    |                   | 05/02/12             | ALZ            |
| Ethylbenzene            | 1670           | ug/L         | 100        | 400        | 200                    |                   | 05/02/12             | ALZ            |
| m&p-Xylene              | 4960           | ug/L         | 124        | 420        | 200                    |                   | 05/02/12             | ALZ            |
| Methyl Tert Butyl Ether | ND             | ug/L         | 60.0       | 400        | 200                    |                   | 05/02/12             | ALZ            |
| Naphthalene             | 578            | ug/L         | 400        | 532        | 200                    |                   | 05/02/12             | ALZ            |
| o-Xylene                | 1900           | ug/L         | 154        | 400        | 200                    |                   | 05/02/12             | ALZ            |
| Toluene                 | 4270           | ug/L         | 74.0       | 400        | 200                    |                   | 05/02/12             | ALZ            |

Sample ID: MW-4

Matrix: Ground Water

Sample Date/Time: 04/27/12 13:05

Lab No. : 1205013-02

|                         | <u>Results</u> | <u>Units</u> | <u>LOD</u> | <u>LOQ</u> | <u>Dilution Factor</u> | <u>Qualifiers</u> | <u>Date Analyzed</u> | <u>Analyst</u> |
|-------------------------|----------------|--------------|------------|------------|------------------------|-------------------|----------------------|----------------|
| <b>EPA 8021B</b>        |                |              |            |            |                        |                   |                      |                |
| 1,2,4-Trimethylbenzene  | ND             | ug/L         | 0.400      | 2.00       | 1                      |                   | 05/02/12             | ALZ            |
| 1,3,5-Trimethylbenzene  | ND             | ug/L         | 0.440      | 2.00       | 1                      |                   | 05/02/12             | ALZ            |
| Benzene                 | ND             | ug/L         | 0.310      | 2.00       | 1                      |                   | 05/02/12             | ALZ            |
| Ethylbenzene            | ND             | ug/L         | 0.500      | 2.00       | 1                      |                   | 05/02/12             | ALZ            |
| m&p-Xylene              | ND             | ug/L         | 0.620      | 2.10       | 1                      |                   | 05/02/12             | ALZ            |
| Methyl Tert Butyl Ether | ND             | ug/L         | 0.300      | 2.00       | 1                      |                   | 05/02/12             | ALZ            |
| Naphthalene             | ND             | ug/L         | 2.00       | 2.66       | 1                      |                   | 05/02/12             | ALZ            |
| o-Xylene                | ND             | ug/L         | 0.770      | 2.00       | 1                      |                   | 05/02/12             | ALZ            |
| Toluene                 | ND             | ug/L         | 0.370      | 2.00       | 1                      |                   | 05/02/12             | ALZ            |

# SIEMENS

Carlson McCain, Inc.  
1011 East Central Entrance, STE 100  
Duluth, MN 55811

PROJECT NO. : Moose Junction Lounge #2490-00  
REPORT NO. : 1205013  
DATE REC'D: 05/01/12 15:32  
REPORT DATE : 05/09/12 13:05  
PREPARED BY : BMS

Attn: Hillary McGown

Sample ID: MW-5R

Matrix: Ground Water

Sample Date/Time: 04/27/12 12:00

Lab No. : 1205013-03

|                         | <u>Results</u> | <u>Units</u> | <u>LOD</u> | <u>LOQ</u> | <u>Dilution<br/>Factor</u> | <u>Qualifiers</u> | <u>Date<br/>Analyzed</u> | <u>Analyst</u> |
|-------------------------|----------------|--------------|------------|------------|----------------------------|-------------------|--------------------------|----------------|
| <u>EPA 8021B</u>        |                |              |            |            |                            |                   |                          |                |
| 1,2,4-Trimethylbenzene  | ND             | ug/L         | 0.400      | 2.00       | 1                          |                   | 05/02/12                 | ALZ            |
| 1,3,5-Trimethylbenzene  | ND             | ug/L         | 0.440      | 2.00       | 1                          |                   | 05/02/12                 | ALZ            |
| Benzene                 | ND             | ug/L         | 0.310      | 2.00       | 1                          |                   | 05/02/12                 | ALZ            |
| Ethylbenzene            | ND             | ug/L         | 0.500      | 2.00       | 1                          |                   | 05/02/12                 | ALZ            |
| m&p-Xylene              | ND             | ug/L         | 0.620      | 2.10       | 1                          |                   | 05/02/12                 | ALZ            |
| Methyl Tert Butyl Ether | ND             | ug/L         | 0.300      | 2.00       | 1                          |                   | 05/02/12                 | ALZ            |
| Naphthalene             | ND             | ug/L         | 2.00       | 2.66       | 1                          |                   | 05/02/12                 | ALZ            |
| o-Xylene                | ND             | ug/L         | 0.770      | 2.00       | 1                          |                   | 05/02/12                 | ALZ            |
| Toluene                 | ND             | ug/L         | 0.370      | 2.00       | 1                          |                   | 05/02/12                 | ALZ            |

Sample ID: Trip Blank

Matrix: Water

Sample Date/Time: 04/27/12 0:00

Lab No. : 1205013-04

|                         | <u>Results</u> | <u>Units</u> | <u>LOD</u> | <u>LOQ</u> | <u>Dilution<br/>Factor</u> | <u>Qualifiers</u> | <u>Date<br/>Analyzed</u> | <u>Analyst</u> |
|-------------------------|----------------|--------------|------------|------------|----------------------------|-------------------|--------------------------|----------------|
| <u>EPA 8021B</u>        |                |              |            |            |                            |                   |                          |                |
| 1,2,4-Trimethylbenzene  | ND             | ug/L         | 0.400      | 2.00       | 1                          |                   | 05/02/12                 | ALZ            |
| 1,3,5-Trimethylbenzene  | ND             | ug/L         | 0.440      | 2.00       | 1                          |                   | 05/02/12                 | ALZ            |
| Benzene                 | ND             | ug/L         | 0.310      | 2.00       | 1                          |                   | 05/02/12                 | ALZ            |
| Ethylbenzene            | ND             | ug/L         | 0.500      | 2.00       | 1                          |                   | 05/02/12                 | ALZ            |
| m&p-Xylene              | ND             | ug/L         | 0.620      | 2.10       | 1                          |                   | 05/02/12                 | ALZ            |
| Methyl Tert Butyl Ether | ND             | ug/L         | 0.300      | 2.00       | 1                          |                   | 05/02/12                 | ALZ            |
| Naphthalene             | ND             | ug/L         | 2.00       | 2.66       | 1                          |                   | 05/02/12                 | ALZ            |
| o-Xylene                | ND             | ug/L         | 0.770      | 2.00       | 1                          |                   | 05/02/12                 | ALZ            |
| Toluene                 | ND             | ug/L         | 0.370      | 2.00       | 1                          |                   | 05/02/12                 | ALZ            |

# SIEMENS

Carlson McCain, Inc.  
1011 East Central Entrance, STE 100  
Duluth, MN 55811

PROJECT NO. : Moose Junction Lounge #2490-00  
REPORT NO. : 1205013  
DATE REC'D: 05/01/12 15:32  
REPORT DATE : 05/09/12 13:05  
PREPARED BY : BMS

Attn: Hillary McGown

Sample ID: Site Well

Matrix: Drinking Water

Sample Date/Time: 04/27/12 14:10

Lab No. : 1205013-05

|                           | <u>Results</u> | <u>Units</u> | <u>LOD</u> | <u>LOQ</u> | <u>Dilution<br/>Factor</u> | <u>Qualifiers</u> | <u>Date<br/>Analyzed</u> | <u>Analyst</u> |
|---------------------------|----------------|--------------|------------|------------|----------------------------|-------------------|--------------------------|----------------|
| <b>EPA 524.2</b>          |                |              |            |            |                            |                   |                          |                |
| 1,1,1,2-Tetrachloroethane | ND             | ug/L         | 0.30       | 1.00       | 1                          |                   | 05/03/12                 | MPM            |
| 1,1,1-Trichloroethane     | ND             | ug/L         | 0.50       | 1.70       | 1                          |                   | 05/03/12                 | MPM            |
| 1,1,1,2-Tetrachloroethane | ND             | ug/L         | 0.40       | 1.30       | 1                          |                   | 05/03/12                 | MPM            |
| 1,1,2-Trichloroethane     | ND             | ug/L         | 0.40       | 1.30       | 1                          |                   | 05/03/12                 | MPM            |
| 1,1-Dichloroethane        | ND             | ug/L         | 0.40       | 1.30       | 1                          |                   | 05/03/12                 | MPM            |
| 1,1-Dichloroethylene      | ND             | ug/L         | 0.40       | 1.30       | 1                          |                   | 05/03/12                 | MPM            |
| 1,1-Dichloropropylene     | ND             | ug/L         | 0.80       | 2.70       | 1                          |                   | 05/03/12                 | MPM            |
| 1,2,3-Trichloropropane    | ND             | ug/L         | 1.00       | 3.30       | 1                          |                   | 05/03/12                 | MPM            |
| 1,2,4-Trichlorobenzene    | ND             | ug/L         | 0.50       | 1.70       | 1                          |                   | 05/03/12                 | MPM            |
| 1,2,4-Trimethylbenzene    | ND             | ug/L         | 0.20       | 1.00       | 1                          |                   | 05/03/12                 | MPM            |
| 1,2-Dichlorobenzene       | ND             | ug/L         | 0.80       | 2.70       | 1                          |                   | 05/03/12                 | MPM            |
| 1,2-Dichloroethane        | ND             | ug/L         | 0.30       | 1.00       | 1                          |                   | 05/03/12                 | MPM            |
| 1,2-Dichloropropane       | ND             | ug/L         | 0.40       | 1.30       | 1                          |                   | 05/03/12                 | MPM            |
| 1,3,5-Trimethylbenzene    | ND             | ug/L         | 0.20       | 1.00       | 1                          |                   | 05/03/12                 | MPM            |
| 1,3-Dichlorobenzene       | ND             | ug/L         | 0.20       | 1.00       | 1                          |                   | 05/03/12                 | MPM            |
| 1,3-Dichloropropane       | ND             | ug/L         | 0.20       | 1.00       | 1                          |                   | 05/03/12                 | MPM            |
| 1,4-Dichlorobenzene       | ND             | ug/L         | 0.80       | 2.70       | 1                          |                   | 05/03/12                 | MPM            |
| 2,2-Dichloropropane       | ND             | ug/L         | 1.00       | 3.30       | 1                          |                   | 05/03/12                 | MPM            |
| 2-Chlorotoluene           | ND             | ug/L         | 0.30       | 1.00       | 1                          |                   | 05/03/12                 | MPM            |
| 4-Chlorotoluene           | ND             | ug/L         | 0.30       | 1.00       | 1                          |                   | 05/03/12                 | MPM            |
| 4-Isopropyltoluene        | ND             | ug/L         | 0.40       | 1.33       | 1                          |                   | 05/03/12                 | MPM            |
| Benzene                   | ND             | ug/L         | 0.20       | 1.00       | 1                          |                   | 05/03/12                 | MPM            |
| Bromobenzene              | ND             | ug/L         | 0.30       | 1.00       | 1                          |                   | 05/03/12                 | MPM            |
| Bromodichloromethane      | ND             | ug/L         | 0.40       | 1.30       | 1                          |                   | 05/03/12                 | MPM            |
| Bromoform                 | ND             | ug/L         | 0.20       | 1.00       | 1                          |                   | 05/03/12                 | MPM            |
| Bromomethane              | ND             | ug/L         | 1.00       | 3.30       | 1                          |                   | 05/03/12                 | MPM            |
| Carbon Tetrachloride      | ND             | ug/L         | 0.30       | 1.00       | 1                          |                   | 05/03/12                 | MPM            |
| Chlorobenzene             | ND             | ug/L         | 0.20       | 1.00       | 1                          |                   | 05/03/12                 | MPM            |
| Chloroethane              | ND             | ug/L         | 0.70       | 2.30       | 1                          |                   | 05/03/12                 | MPM            |
| Chloroform                | ND             | ug/L         | 0.20       | 1.00       | 1                          |                   | 05/03/12                 | MPM            |
| Chloromethane             | ND             | ug/L         | 0.40       | 1.30       | 1                          |                   | 05/03/12                 | MPM            |
| cis-1,2-Dichloroethylene  | ND             | ug/L         | 0.40       | 1.30       | 1                          |                   | 05/03/12                 | MPM            |
| cis-1,3-Dichloropropylene | ND             | ug/L         | 0.20       | 1.00       | 1                          |                   | 05/03/12                 | MPM            |
| Dibromochloromethane      | ND             | ug/L         | 0.40       | 1.30       | 1                          |                   | 05/03/12                 | MPM            |
| Dibromomethane            | ND             | ug/L         | 0.40       | 1.30       | 1                          |                   | 05/03/12                 | MPM            |
| Dichlorodifluoromethane   | ND             | ug/L         | 0.30       | 1.00       | 1                          |                   | 05/03/12                 | MPM            |
| Ethylbenzene              | ND             | ug/L         | 0.20       | 1.00       | 1                          |                   | 05/03/12                 | MPM            |
| Hexachlorobutadiene       | ND             | ug/L         | 1.00       | 3.30       | 1                          |                   | 05/03/12                 | MPM            |
| Isopropylbenzene (Cumene) | ND             | ug/L         | 0.20       | 1.00       | 1                          |                   | 05/03/12                 | MPM            |
| Methylene Chloride        | ND             | ug/L         | 0.40       | 1.30       | 1                          |                   | 05/03/12                 | MPM            |
| Methyl-tert-Butyl Ether   | ND             | ug/L         | 0.50       | 2.00       | 1                          |                   | 05/03/12                 | MPM            |



# SIEMENS

Carlson McCain, Inc.  
1011 East Central Entrance, STE 100  
Duluth, MN 55811

PROJECT NO. : Moose Junction Lounge #2490-00  
REPORT NO. : 1205013  
DATE REC'D: 05/01/12 15:32  
REPORT DATE : 05/09/12 13:05  
PREPARED BY : BMS

Attn: Hillary McGown

Sample ID: Site Well

Matrix: Drinking Water

Sample Date/Time: 04/27/12 14:10

Lab No. : 1205013-05

|                             | <u>Results</u> | <u>Units</u> | <u>LOD</u> | <u>LOQ</u> | <u>Dilution<br/>Factor</u> | <u>Qualifiers</u> | <u>Date<br/>Analyzed</u> | <u>Analyst</u> |
|-----------------------------|----------------|--------------|------------|------------|----------------------------|-------------------|--------------------------|----------------|
| <u>EPA 524.2 Continued</u>  |                |              |            |            |                            |                   |                          |                |
| Naphthalene                 | ND             | ug/L         | 1.00       | 3.30       | 1                          |                   | 05/03/12                 | MPM            |
| Styrene                     | ND             | ug/L         | 0.10       | 1.00       | 1                          |                   | 05/03/12                 | MPM            |
| Tetrachloroethene           | ND             | ug/L         | 0.30       | 1.00       | 1                          |                   | 05/03/12                 | MPM            |
| Toluene                     | ND             | ug/L         | 0.40       | 1.30       | 1                          |                   | 05/03/12                 | MPM            |
| trans-1,2-Dichloroethylene  | ND             | ug/L         | 0.60       | 1.70       | 1                          |                   | 05/03/12                 | MPM            |
| trans-1,3-Dichloropropylene | ND             | ug/L         | 0.40       | 1.30       | 1                          |                   | 05/03/12                 | MPM            |
| Trichloroethene             | ND             | ug/L         | 0.40       | 1.30       | 1                          |                   | 05/03/12                 | MPM            |
| Vinyl chloride              | ND             | ug/L         | 0.20       | 1.00       | 1                          |                   | 05/03/12                 | MPM            |
| Xylenes, (Total)            | ND             | ug/L         | 1.00       | 1.00       | 1                          |                   | 05/03/12                 | MPM            |

# SIEMENS

Carlson McCain, Inc.  
1011 East Central Entrance, STE 100  
Duluth, MN 55811

PROJECT NO. : Moose Junction Lounge #2490-00  
REPORT NO. : 1205013  
DATE REC'D: 05/01/12 15:32  
REPORT DATE : 05/09/12 13:05  
PREPARED BY: BMS

Attn: Hillary McGown

Sample ID: Swenson Well

Matrix: Drinking Water

Sample Date/Time: 04/27/12 11:10

Lab No. : 1205013-06

|                           | Results | Units | LOD  | LOQ  | Dilution Factor | Qualifiers | Date Analyzed | Analyst |
|---------------------------|---------|-------|------|------|-----------------|------------|---------------|---------|
| <b>EPA 524.2</b>          |         |       |      |      |                 |            |               |         |
| 1,1,1,2-Tetrachloroethane | ND      | ug/L  | 0.30 | 1.00 | 1               |            | 05/03/12      | MPM     |
| 1,1,1-Trichloroethane     | ND      | ug/L  | 0.50 | 1.70 | 1               |            | 05/03/12      | MPM     |
| 1,1,2,2-Tetrachloroethane | ND      | ug/L  | 0.40 | 1.30 | 1               |            | 05/03/12      | MPM     |
| 1,1,2-Trichloroethane     | ND      | ug/L  | 0.40 | 1.30 | 1               |            | 05/03/12      | MPM     |
| 1,1-Dichloroethane        | ND      | ug/L  | 0.40 | 1.30 | 1               |            | 05/03/12      | MPM     |
| 1,1-Dichloroethylene      | ND      | ug/L  | 0.40 | 1.30 | 1               |            | 05/03/12      | MPM     |
| 1,1-Dichloropropylene     | ND      | ug/L  | 0.80 | 2.70 | 1               |            | 05/03/12      | MPM     |
| 1,2,3-Trichloropropane    | ND      | ug/L  | 1.00 | 3.30 | 1               |            | 05/03/12      | MPM     |
| 1,2,4-Trichlorobenzene    | ND      | ug/L  | 0.50 | 1.70 | 1               |            | 05/03/12      | MPM     |
| 1,2,4-Trimethylbenzene    | 1.02    | ug/L  | 0.20 | 1.00 | 1               |            | 05/03/12      | MPM     |
| 1,2-Dichlorobenzene       | ND      | ug/L  | 0.80 | 2.70 | 1               |            | 05/03/12      | MPM     |
| 1,2-Dichloroethane        | ND      | ug/L  | 0.30 | 1.00 | 1               |            | 05/03/12      | MPM     |
| 1,2-Dichloropropane       | ND      | ug/L  | 0.40 | 1.30 | 1               |            | 05/03/12      | MPM     |
| 1,3,5-Trimethylbenzene    | 0.52    | ug/L  | 0.20 | 1.00 | 1               | J          | 05/03/12      | MPM     |
| 1,3-Dichlorobenzene       | ND      | ug/L  | 0.20 | 1.00 | 1               |            | 05/03/12      | MPM     |
| 1,3-Dichloropropane       | ND      | ug/L  | 0.20 | 1.00 | 1               |            | 05/03/12      | MPM     |
| 1,4-Dichlorobenzene       | ND      | ug/L  | 0.80 | 2.70 | 1               |            | 05/03/12      | MPM     |
| 2,2-Dichloropropane       | ND      | ug/L  | 1.00 | 3.30 | 1               |            | 05/03/12      | MPM     |
| 2-Chlorotoluene           | ND      | ug/L  | 0.30 | 1.00 | 1               |            | 05/03/12      | MPM     |
| 4-Chlorotoluene           | ND      | ug/L  | 0.30 | 1.00 | 1               |            | 05/03/12      | MPM     |
| 4-Isopropyltoluene        | ND      | ug/L  | 0.40 | 1.33 | 1               |            | 05/03/12      | MPM     |
| Benzene                   | 4.95    | ug/L  | 0.20 | 1.00 | 1               |            | 05/03/12      | MPM     |
| Bromobenzene              | ND      | ug/L  | 0.30 | 1.00 | 1               |            | 05/03/12      | MPM     |
| Bromodichloromethane      | ND      | ug/L  | 0.40 | 1.30 | 1               |            | 05/03/12      | MPM     |
| Bromoform                 | ND      | ug/L  | 0.20 | 1.00 | 1               |            | 05/03/12      | MPM     |
| Bromomethane              | ND      | ug/L  | 1.00 | 3.30 | 1               |            | 05/03/12      | MPM     |
| Carbon Tetrachloride      | ND      | ug/L  | 0.30 | 1.00 | 1               |            | 05/03/12      | MPM     |
| Chlorobenzene             | ND      | ug/L  | 0.20 | 1.00 | 1               |            | 05/03/12      | MPM     |
| Chloroethane              | ND      | ug/L  | 0.70 | 2.30 | 1               |            | 05/03/12      | MPM     |
| Chloroform                | ND      | ug/L  | 0.20 | 1.00 | 1               |            | 05/03/12      | MPM     |
| Chloromethane             | ND      | ug/L  | 0.40 | 1.30 | 1               |            | 05/03/12      | MPM     |
| cis-1,2-Dichloroethylene  | ND      | ug/L  | 0.40 | 1.30 | 1               |            | 05/03/12      | MPM     |
| cis-1,3-Dichloropropylene | ND      | ug/L  | 0.20 | 1.00 | 1               |            | 05/03/12      | MPM     |
| Dibromochloromethane      | ND      | ug/L  | 0.40 | 1.30 | 1               |            | 05/03/12      | MPM     |
| Dibromomethane            | ND      | ug/L  | 0.40 | 1.30 | 1               |            | 05/03/12      | MPM     |
| Dichlorodifluoromethane   | ND      | ug/L  | 0.30 | 1.00 | 1               |            | 05/03/12      | MPM     |
| Ethylbenzene              | 2.32    | ug/L  | 0.20 | 1.00 | 1               |            | 05/03/12      | MPM     |
| Hexachlorobutadiene       | ND      | ug/L  | 1.00 | 3.30 | 1               |            | 05/03/12      | MPM     |
| Isopropylbenzene (Cumene) | ND      | ug/L  | 0.20 | 1.00 | 1               |            | 05/03/12      | MPM     |
| Methylene Chloride        | ND      | ug/L  | 0.40 | 1.30 | 1               |            | 05/03/12      | MPM     |
| Methyl-tert-Butyl Ether   | ND      | ug/L  | 0.50 | 2.00 | 1               |            | 05/03/12      | MPM     |

# SIEMENS

Carlson McCain, Inc.  
1011 East Central Entrance, STE 100  
Duluth, MN 55811

PROJECT NO. : Moose Junction Lounge #2490-00  
REPORT NO. : 1205013  
DATE REC'D: 05/01/12 15:32  
REPORT DATE : 05/09/12 13:05  
PREPARED BY : BMS

Attn: Hillary McGown

Sample ID: Swenson Well

Matrix: Drinking Water

Sample Date/Time: 04/27/12 11:10

Lab No. : 1205013-06

|                             | <u>Results</u> | <u>Units</u> | <u>LOD</u> | <u>LOQ</u> | <u>Dilution<br/>Factor</u> | <u>Qualifiers</u> | <u>Date<br/>Analyzed</u> | <u>Analyst</u> |
|-----------------------------|----------------|--------------|------------|------------|----------------------------|-------------------|--------------------------|----------------|
| <u>EPA 524.2 Continued</u>  |                |              |            |            |                            |                   |                          |                |
| Naphthalene                 | ND             | ug/L         | 1.00       | 3.30       | 1                          |                   | 05/03/12                 | MPM            |
| Styrene                     | ND             | ug/L         | 0.10       | 1.00       | 1                          |                   | 05/03/12                 | MPM            |
| Tetrachloroethene           | ND             | ug/L         | 0.30       | 1.00       | 1                          |                   | 05/03/12                 | MPM            |
| Toluene                     | ND             | ug/L         | 0.40       | 1.30       | 1                          |                   | 05/03/12                 | MPM            |
| trans-1,2-Dichloroethylene  | ND             | ug/L         | 0.50       | 1.70       | 1                          |                   | 05/03/12                 | MPM            |
| trans-1,3-Dichloropropylene | ND             | ug/L         | 0.40       | 1.30       | 1                          |                   | 05/03/12                 | MPM            |
| Trichloroethene             | ND             | ug/L         | 0.40       | 1.30       | 1                          |                   | 05/03/12                 | MPM            |
| Vinyl chloride              | ND             | ug/L         | 0.20       | 1.00       | 1                          |                   | 05/03/12                 | MPM            |
| Xylenes, (Total)            | 1.90           | ug/L         | 1.00       | 1.00       | 1                          |                   | 05/03/12                 | MPM            |

# SIEMENS

Carlson McCain, Inc.  
1011 East Central Entrance, STE 100  
Duluth, MN 55811

PROJECT NO. : Moose Junction Lounge #2490-00  
REPORT NO. : 1205013  
DATE REC'D: 05/01/12 15:32  
REPORT DATE : 05/09/12 13:05  
PREPARED BY : BMS

Attn: Hillary McGown

Sample ID: Trip Blank

Matrix: Water

Sample Date/Time: 04/27/12 0:00

Lab No. : 1205013-07

|                           | <u>Results</u> | <u>Units</u> | <u>LOD</u> | <u>LOQ</u> | <u>Dilution<br/>Factor</u> | <u>Qualifiers</u> | <u>Date<br/>Analyzed</u> | <u>Analyst</u> |
|---------------------------|----------------|--------------|------------|------------|----------------------------|-------------------|--------------------------|----------------|
| <b>EPA 524.2</b>          |                |              |            |            |                            |                   |                          |                |
| 1,1,1,2-Tetrachloroethane | ND             | ug/L         | 0.30       | 1.00       | 1                          |                   | 05/03/12                 | MPM            |
| 1,1,1-Trichloroethane     | ND             | ug/L         | 0.50       | 1.70       | 1                          |                   | 05/03/12                 | MPM            |
| 1,1,2,2-Tetrachloroethane | ND             | ug/L         | 0.40       | 1.30       | 1                          |                   | 05/03/12                 | MPM            |
| 1,1,2-Trichloroethane     | ND             | ug/L         | 0.40       | 1.30       | 1                          |                   | 05/03/12                 | MPM            |
| 1,1-Dichloroethane        | ND             | ug/L         | 0.40       | 1.30       | 1                          |                   | 05/03/12                 | MPM            |
| 1,1-Dichloroethylene      | ND             | ug/L         | 0.40       | 1.30       | 1                          |                   | 05/03/12                 | MPM            |
| 1,1-Dichloropropylene     | ND             | ug/L         | 0.80       | 2.70       | 1                          |                   | 05/03/12                 | MPM            |
| 1,2,3-Trichloropropane    | ND             | ug/L         | 1.00       | 3.30       | 1                          |                   | 05/03/12                 | MPM            |
| 1,2,4-Trichlorobenzene    | ND             | ug/L         | 0.50       | 1.70       | 1                          |                   | 05/03/12                 | MPM            |
| 1,2,4-Trimethylbenzene    | ND             | ug/L         | 0.20       | 1.00       | 1                          |                   | 05/03/12                 | MPM            |
| 1,2-Dichlorobenzene       | ND             | ug/L         | 0.80       | 2.70       | 1                          |                   | 05/03/12                 | MPM            |
| 1,2-Dichloroethane        | ND             | ug/L         | 0.30       | 1.00       | 1                          |                   | 05/03/12                 | MPM            |
| 1,2-Dichloropropane       | ND             | ug/L         | 0.40       | 1.30       | 1                          |                   | 05/03/12                 | MPM            |
| 1,3,5-Trimethylbenzene    | ND             | ug/L         | 0.20       | 1.00       | 1                          |                   | 05/03/12                 | MPM            |
| 1,3-Dichlorobenzene       | ND             | ug/L         | 0.20       | 1.00       | 1                          |                   | 05/03/12                 | MPM            |
| 1,3-Dichloropropane       | ND             | ug/L         | 0.20       | 1.00       | 1                          |                   | 05/03/12                 | MPM            |
| 1,4-Dichlorobenzene       | ND             | ug/L         | 0.80       | 2.70       | 1                          |                   | 05/03/12                 | MPM            |
| 2,2-Dichloropropane       | ND             | ug/L         | 1.00       | 3.30       | 1                          |                   | 05/03/12                 | MPM            |
| 2-Chlorotoluene           | ND             | ug/L         | 0.30       | 1.00       | 1                          |                   | 05/03/12                 | MPM            |
| 4-Chlorotoluene           | ND             | ug/L         | 0.30       | 1.00       | 1                          |                   | 05/03/12                 | MPM            |
| 4-Isopropyltoluene        | ND             | ug/L         | 0.40       | 1.33       | 1                          |                   | 05/03/12                 | MPM            |
| Benzene                   | ND             | ug/L         | 0.20       | 1.00       | 1                          |                   | 05/03/12                 | MPM            |
| Bromobenzene              | ND             | ug/L         | 0.30       | 1.00       | 1                          |                   | 05/03/12                 | MPM            |
| Bromodichloromethane      | ND             | ug/L         | 0.40       | 1.30       | 1                          |                   | 05/03/12                 | MPM            |
| Bromoform                 | ND             | ug/L         | 0.20       | 1.00       | 1                          |                   | 05/03/12                 | MPM            |
| Bromomethane              | ND             | ug/L         | 1.00       | 3.30       | 1                          |                   | 05/03/12                 | MPM            |
| Carbon Tetrachloride      | ND             | ug/L         | 0.30       | 1.00       | 1                          |                   | 05/03/12                 | MPM            |
| Chlorobenzene             | ND             | ug/L         | 0.20       | 1.00       | 1                          |                   | 05/03/12                 | MPM            |
| Chloroethane              | ND             | ug/L         | 0.70       | 2.30       | 1                          |                   | 05/03/12                 | MPM            |
| Chloroform                | ND             | ug/L         | 0.20       | 1.00       | 1                          |                   | 05/03/12                 | MPM            |
| Chloromethane             | ND             | ug/L         | 0.40       | 1.30       | 1                          |                   | 05/03/12                 | MPM            |
| cis-1,2-Dichloroethylene  | ND             | ug/L         | 0.40       | 1.30       | 1                          |                   | 05/03/12                 | MPM            |
| cis-1,3-Dichloropropylene | ND             | ug/L         | 0.20       | 1.00       | 1                          |                   | 05/03/12                 | MPM            |
| Dibromochloromethane      | ND             | ug/L         | 0.40       | 1.30       | 1                          |                   | 05/03/12                 | MPM            |
| Dibromomethane            | ND             | ug/L         | 0.40       | 1.30       | 1                          |                   | 05/03/12                 | MPM            |
| Dichlorodifluoromethane   | ND             | ug/L         | 0.30       | 1.00       | 1                          |                   | 05/03/12                 | MPM            |
| Ethylbenzene              | ND             | ug/L         | 0.20       | 1.00       | 1                          |                   | 05/03/12                 | MPM            |
| Hexachlorobutadiene       | ND             | ug/L         | 1.00       | 3.30       | 1                          |                   | 05/03/12                 | MPM            |
| Isopropylbenzene (Cumene) | ND             | ug/L         | 0.20       | 1.00       | 1                          |                   | 05/03/12                 | MPM            |
| Methylene Chloride        | ND             | ug/L         | 0.40       | 1.30       | 1                          |                   | 05/03/12                 | MPM            |
| Methyl-tert-Butyl Ether   | ND             | ug/L         | 0.50       | 2.00       | 1                          |                   | 05/03/12                 | MPM            |

# SIEMENS

Carlson McCain, Inc.  
1011 East Central Entrance, STE 100  
Duluth, MN 55811

PROJECT NO. : Moose Junction Lounge #2490-00  
REPORT NO. : 1205013  
DATE REC'D: 05/01/12 15:32  
REPORT DATE : 05/09/12 13:05  
PREPARED BY : BMS

Attn: Hillary McGown

Sample ID: Trip Blank

Matrix: Water

Sample Date/Time: 04/27/12 0:00

Lab No. : 1205013-07

|                             | <u>Results</u> | <u>Units</u> | <u>LOD</u> | <u>LOQ</u> | <u>Dilution<br/>Factor</u> | <u>Qualifiers</u> | <u>Date<br/>Analyzed</u> | <u>Analyst</u> |
|-----------------------------|----------------|--------------|------------|------------|----------------------------|-------------------|--------------------------|----------------|
| <u>EPA 524.2 Continued</u>  |                |              |            |            |                            |                   |                          |                |
| Naphthalene                 | ND             | ug/L         | 1.00       | 3.30       | 1                          |                   | 05/03/12                 | MPM            |
| Styrene                     | ND             | ug/L         | 0.10       | 1.00       | 1                          |                   | 05/03/12                 | MPM            |
| Tetrachloroethene           | ND             | ug/L         | 0.30       | 1.00       | 1                          |                   | 05/03/12                 | MPM            |
| Toluene                     | ND             | ug/L         | 0.40       | 1.30       | 1                          |                   | 05/03/12                 | MPM            |
| trans-1,2-Dichloroethylene  | ND             | ug/L         | 0.50       | 1.70       | 1                          |                   | 05/03/12                 | MPM            |
| trans-1,3-Dichloropropylene | ND             | ug/L         | 0.40       | 1.30       | 1                          |                   | 05/03/12                 | MPM            |
| Trichloroethene             | ND             | ug/L         | 0.40       | 1.30       | 1                          |                   | 05/03/12                 | MPM            |
| Vinyl chloride              | ND             | ug/L         | 0.20       | 1.00       | 1                          |                   | 05/03/12                 | MPM            |
| Xylenes, (Total)            | ND             | ug/L         | 1.00       | 1.00       | 1                          |                   | 05/03/12                 | MPM            |

# SIEMENS

## Qualifier Descriptions

J Estimated concentration below laboratory quantitation level.

## Definitions

LOD = Limit of Detection (Dilution Corrected)  
LOQ = Limit of Quantitation (Dilution Corrected)  
Reporting Limit = LOQ (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.

(WNC) = The required Wisconsin DNR program certification is not held for this analyte.

ug/l = Micrograms per Liter = parts per billion (ppb)

ug/kg = Micrograms per kilogram = parts per billion (ppb)

mg/l = Milligrams per liter = parts per million (ppm)

mg/kg = Milligrams per kilogram = parts per million (ppm)

NOT PRES = Not Present

ppth = Parts per thousand

\* = Result outside established limits.

mg/m<sup>3</sup> = Milligrams per meter cubed

ng/L = Nanograms per Liter = Parts per trillion (ppt)

> = Greater Than

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

# SIEMENS

|  |  |   |   |
|--|--|---|---|
| Company Name<br><b>Carlson McCain, Inc.</b>  |  | Project<br><b>Moose Junction Lounge (# 2490-08)</b>   |   |
| Report Mailing Address<br><b>1011 E Central Entrance, Suite 100<br/>Duluth, MN 55811</b> |  | Contact Name, Phone, Fax, Email<br><b>Hillary McGowan (218) 625-7004<br/>hmcgowan@carlsonmccain.com</b> |   |
| Invoice Address<br><b>Lino Lakes Address<br/>Attn: Stephanie Symoniak</b>                |  | Purchase Order #<br><b>—</b>  | Invoice Contact and Phone No.<br><b>SAA</b> |

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

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

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

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

WO No. 1205013

| Analyses Requested          |  |  |  |  |  |  |  |  |  | Lab Use Only  |                                       |                                       |
|-----------------------------|--|--|--|--|--|--|--|--|--|---|---------------------------------------|---------------------------------------|
| PVOG + N<br>VOC (EPA 514.2) |  |  |  |  |  |  |  |  |  | Delivered by:   | Walk-in                               | Courier                               |
|                             |  |  |  |  |  |  |  |  |  | Ship. Cont. OK?   | <input checked="" type="checkbox"/> Y | <input type="checkbox"/> N            |
|                             |  |  |  |  |  |  |  |  |  | Samples Leaking?  | <input type="checkbox"/> Y            | <input checked="" type="checkbox"/> N |
|                             |  |  |  |  |  |  |  |  |  | Seals OK?   | <input checked="" type="checkbox"/> Y | <input type="checkbox"/> N            |
|                             |  |  |  |  |  |  |  |  |  | Rec'd on Ice?   | <input checked="" type="checkbox"/> Y | <input type="checkbox"/> N            |
|                             |  |  |  |  |  |  |  |  |  | Sample Receiving Comments:<br><b>Rec'd w/ custody seal intact</b> |                                       |                                       |
|                             |  |  |  |  |  |  |  |  |  | 40  |                                       |                                       |

| Lab Use Only | Sample  |       | No. of Containers |      | Sample ID    |   |   |  |  |  |  | Comments             |
|--------------|---------|-------|-------------------|------|--------------|---|---|--|--|--|--|----------------------|
|              | Date    | Time  | Comp              | Grab |              |   |   |  |  |  |  |                      |
| -1           | 4/27/12 | 1:50  |                   | 3    | MW-2         | X |   |  |  |  |  | 3 vials HCC          |
| -2           |         | 1:05  |                   | 3    | MW-4         | X |   |  |  |  |  | ↓                    |
| -3           |         | 12:00 |                   | 3    | MW-SR        | X |   |  |  |  |  | ↓                    |
| -4           |         | —     |                   | 2    | Trip Blank   | X |   |  |  |  |  | 2 vials HCC 02-27-12 |
| -5           |         | 2:10  |                   | 3    | Site Well    |   | X |  |  |  |  | 3 vials HCC          |
| -6           |         | 11:10 |                   | 3    | Swenson Well |   | X |  |  |  |  | ↓                    |
| -7           | ✓       | —     |                   | 2    | Trip Blank   |   | X |  |  |  |  | 2 vials HCC 02-27-12 |
|              |         |       |                   |      |              |   |   |  |  |  |  |                      |
|              |         |       |                   |      |              |   |   |  |  |  |  |                      |

Chain of Custody Record

|                    |          |      |                    |
|--------------------|----------|------|--------------------|
| Relinquished By:   | Date     | Time | Received By:       |
| <i>[Signature]</i> | 4/30/12  | 2:00 |                    |
|                    | 05-01-12 | 1532 | <i>[Signature]</i> |







12065 Lebanon Rd.  
Mt. Juliet, TN 37122  
(615) 758-5858  
1-800-767-5859  
Fax (615) 758-5859  
Tax I.D. 62-0814289  
Est. 1970

Jeff Neisse  
Carlson McCain  
248 Apollo Drive, Suite 100  
Lino Lakes, MN 55014

### Report Summary

Thursday January 10, 2013

Report Number: L599690

Samples Received: 10/09/12

Client Project: 2490.00

Description: Moose Junction Lonny

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

  
John Hawkins, ESC Representative

#### Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197,  
FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016,  
NC - ENV375/DW21704/BIO041, ND - R-140, NJ - TN002, NJ NELAP - TN002,  
SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612,  
MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1,  
TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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12065 Lebanon Rd.  
 Mt. Juliet, TN 37122  
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 1-800-767-5859  
 Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

January 10, 2013

Jeff Neisse  
 Carlson McCain  
 248 Apollo Drive, Suite 100  
 Lino Lakes, MN 55014

ESC Sample # : L599690-01

Date Received : October 09, 2012  
 Description : Moose Junction Lonny

Site ID :

Sample ID : MW-2

Project # : 2490.00

Collected By : Jeff Neisse  
 Collection Date : 10/05/12 13:00

| Parameter  | Result | Det. Limit | Units  | Method | Date     | Dil. |
|--|--------|------------|--------|--------|----------|------|
| PVOCGRO  |        |            |        |        |          |      |
| Benzene  | 5600   | 50.        | ug/l   | 8021   | 10/09/12 | 100  |
| Toluene  | 13000  | 500        | ug/l   | 8021   | 10/09/12 | 100  |
| Ethylbenzene   | 1900   | 50.        | ug/l   | 8021   | 10/09/12 | 100  |
| m&p-Xylene   | 8400   | 100        | ug/l   | 8021   | 10/09/12 | 100  |
| o-Xylene   | 4000   | 50.        | ug/l   | 8021   | 10/09/12 | 100  |
| Methyl tert-butyl ether                              | 280    | 100        | ug/l   | 8021   | 10/09/12 | 100  |
| Naphthalene  | 580    | 500        | ug/l   | 8021   | 10/09/12 | 100  |
| 1,3,5-Trimethylbenzene                               | 420    | 100        | ug/l   | 8021   | 10/09/12 | 100  |
| 1,2,4-Trimethylbenzene                               | 1500   | 100        | ug/l   | 8021   | 10/09/12 | 100  |
| Gasoline (C6-C10)                                    | 55000  | 10000      | ug/l   | 8015   | 10/09/12 | 100  |
| Surrogate recovery-%<br>a,a,a-Trifluorotoluene (PID) | 101.   |            | % Rec. | 8021   | 10/09/12 | 100  |

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

The reported analytical results relate only to the sample submitted.

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Reported: 10/12/12 14:06 Revised: 01/10/13 08:46



12065 Lebanon Rd.  
 Mt. Juliet, TN 37122  
 (615) 758-5858  
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

January 10, 2013

Jeff Neisse  
 Carlson McCain  
 248 Apollo Drive, Suite 100  
 Lino Lakes, MN 55014

ESC Sample # : L599690-02

Date Received : October 09, 2012  
 Description : ~~Moose Junction Lonny~~

Site ID :

Sample ID : MW-4

Project # : 2490.00

Collected By : Jeff Neisse  
 Collection Date : 10/05/12 14:00

| Parameter  | Result | Det. Limit | Units  | Method | Date     | Dil. |
|--|--------|------------|--------|--------|----------|------|
| PVOCGRO  |        |            |        |        |          |      |
| Benzene  | 110    | 0.50       | ug/l   | 8021   | 10/09/12 | 1    |
| Toluene  | BDL    | 5.0        | ug/l   | 8021   | 10/09/12 | 1    |
| Ethylbenzene   | BDL    | 0.50       | ug/l   | 8021   | 10/09/12 | 1    |
| m&p-Xylene   | 2.1    | 1.0        | ug/l   | 8021   | 10/09/12 | 1    |
| o-Xylene   | 0.65   | 0.50       | ug/l   | 8021   | 10/09/12 | 1    |
| Methyl tert-butyl ether                              | 4.9    | 1.0        | ug/l   | 8021   | 10/09/12 | 1    |
| Naphthalene  | BDL    | 5.0        | ug/l   | 8021   | 10/09/12 | 1    |
| 1,3,5-Trimethylbenzene                               | BDL    | 1.0        | ug/l   | 8021   | 10/09/12 | 1    |
| 1,2,4-Trimethylbenzene                               | BDL    | 1.0        | ug/l   | 8021   | 10/09/12 | 1    |
| Gasoline (C6-C10)                                    | 140    | 100        | ug/l   | 8015   | 10/09/12 | 1    |
| Surrogate recovery-%<br>a,a,a-Trifluorotoluene (PID) | 98.3   |            | % Rec. | 8021   | 10/09/12 | 1    |

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

The reported analytical results relate only to the sample submitted.

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Reported: 10/12/12 14:06 Revised: 01/10/13 08:46



**YOUR LAB OF CHOICE**

12065 Lebanon Rd.  
 Mt. Juliet, TN 37122  
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Est. 1970

REPORT OF ANALYSIS

January 10, 2013

Jeff Neisse  
 Carlson McCain  
 248 Apollo Drive, Suite 100  
 Lino Lakes, MN 55014

Date Received : October 09, 2012  
 Description : Moose Junction Lonny

Sample ID : MW-5R

Collected By : Jeff Neisse  
 Collection Date : 10/05/12 11:15

ESC Sample # : L599690-03

Site ID :

Project # : 2490.00

| Parameter  | Result | Det. Limit | Units  | Method | Date     | Dil. |
|--|--------|------------|--------|--------|----------|------|
| PVOCGRO  |        |            |        |        |          |      |
| Benzene  | BDL    | 0.50       | ug/l   | 8021   | 10/09/12 | 1    |
| Toluene  | BDL    | 5.0        | ug/l   | 8021   | 10/09/12 | 1    |
| Ethylbenzene   | BDL    | 0.50       | ug/l   | 8021   | 10/09/12 | 1    |
| m&p-Xylene   | BDL    | 1.0        | ug/l   | 8021   | 10/09/12 | 1    |
| o-Xylene   | BDL    | 0.50       | ug/l   | 8021   | 10/09/12 | 1    |
| Methyl tert-butyl ether                              | BDL    | 1.0        | ug/l   | 8021   | 10/09/12 | 1    |
| Naphthalene  | BDL    | 5.0        | ug/l   | 8021   | 10/09/12 | 1    |
| 1,3,5-Trimethylbenzene                               | BDL    | 1.0        | ug/l   | 8021   | 10/09/12 | 1    |
| 1,2,4-Trimethylbenzene                               | BDL    | 1.0        | ug/l   | 8021   | 10/09/12 | 1    |
| Gasoline (C6-C10)                                    | BDL    | 100        | ug/l   | 8015   | 10/09/12 | 1    |
| Surrogate recovery-%<br>a,a,a-Trifluorotoluene (PID) | 101.   |            | % Rec. | 8021   | 10/09/12 | 1    |

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

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Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

January 10, 2013

Jeff Neisse  
Carlson McCain  
248 Apollo Drive, Suite 100  
Lino Lakes, MN 55014

ESC Sample # : L599690-06

Date Received : October 09, 2012  
Description : ~~Moose Junction-Lonny~~

Site ID :

Sample ID : TRIPBLANK

Project # : 2490.00

Collected By : Jeff Neisse  
Collection Date : 10/05/12 00:00

| Parameter              | Result | Det. Limit | Units  | Method | Date     | Dil. |
|------------------------|--------|------------|--------|--------|----------|------|
| 4-Bromofluorobenzene   | 98.5   |            | % Rec. | 524.2  | 10/10/12 | 1    |
| 1,2-Dichlorobenzene-d4 | 96.1   |            | % Rec. | 524.2  | 10/10/12 | 1    |

BDL - Below Detection Limit  
Det. Limit - Practical Quantitation Limit (PQL)  
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Reported: 10/12/12 14:06 Revised: 01/10/13 08:46



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REPORT OF ANALYSIS

January 10, 2013

Jeff Neisse  
 Carlson McCain  
 248 Apollo Drive, Suite 100  
 Lino Lakes, MN 55014

ESC Sample # : L599690-06

Date Received : October 09, 2012  
 Description : Moose Junction Lonny

Site ID :

Sample ID : TRIPBLANK

Project # : 2490.00

Collected By : Jeff Neisse  
 Collection Date : 10/05/12 00:00

| Parameter                 | Result | Det. Limit | Units | Method | Date     | Dil. |
|---------------------------|--------|------------|-------|--------|----------|------|
| Volatile Organics         |        |            |       |        |          |      |
| Benzene                   | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| Carbon tetrachloride      | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| 1,4-Dichlorobenzene       | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| 1,2-Dichloroethane        | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| 1,1-Dichloroethene        | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| 1,1,1-Trichloroethane     | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| Trichloroethene           | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| Vinyl chloride            | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| 1,2,4-Trichlorobenzene    | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| cis-1,2-Dichloroethene    | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| Xylenes, Total            | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| Methylene chloride        | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| 1,2-Dichlorobenzene       | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| trans-1,2-Dichloroethene  | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| 1,2-Dichloropropane       | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| 1,1,2-Trichloroethane     | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| Tetrachloroethene         | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| Chlorobenzene             | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| Toluene                   | 0.70   | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| Ethylbenzene              | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| Styrene                   | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| Bromobenzene              | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| Bromodichloromethane      | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| Bromoform                 | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| Bromomethane              | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| Chlorodibromomethane      | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| Chloroethane              | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| Chloroform                | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| Chloromethane             | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| 2-Chlorotoluene           | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| 4-Chlorotoluene           | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| Dibromomethane            | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| Methyl tert-butyl ether   | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| 1,3-Dichlorobenzene       | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| 1,1-Dichloroethane        | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| 1,3-Dichloropropane       | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| 2,2-Dichloropropane       | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| 1,1-Dichloropropene       | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| 1,3-Dichloropropene       | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| 1,1,1,2-Tetrachloroethane | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| 1,1,2,2-Tetrachloroethane | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| 1,2,3-Trichloropropane    | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| Surrogate Recovery        |        |            |       |        |          |      |

BDL - Below Detection Limit  
 Det. Limit - Practical Quantitation Limit (PQL)



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Est. 1970

REPORT OF ANALYSIS

January 10, 2013

Jeff Neisse  
 Carlson McCain  
 248 Apollo Drive, Suite 100  
 Lino Lakes, MN 55014

ESC Sample # : L599690-05

Date Received : October 09, 2012  
 Description : Moose Junction Lunny

Site ID :

Sample ID : SWONSON WELL

Project # : 2490.00

Collected By : Jeff Neisse  
 Collection Date : 10/05/12 11:00

| Parameter                 | Result | Det. Limit | Units | Method | Date     | Dil. |
|---------------------------|--------|------------|-------|--------|----------|------|
| Volatile Organics         |        |            |       |        |          |      |
| Benzene                   | 8.6    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| Carbon tetrachloride      | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| 1,4-Dichlorobenzene       | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| 1,2-Dichloroethane        | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| 1,1-Dichloroethene        | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| 1,1,1-Trichloroethane     | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| Trichloroethene           | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| Vinyl chloride            | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| 1,2,4-Trichlorobenzene    | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| cis-1,2-Dichloroethene    | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| Xylenes, Total            | 3.3    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| Methylene chloride        | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| 1,2-Dichlorobenzene       | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| trans-1,2-Dichloroethene  | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| 1,2-Dichloropropane       | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| 1,1,2-Trichloroethane     | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| Tetrachloroethene         | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| Chlorobenzene             | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| Toluene                   | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| Ethylbenzene              | 2.6    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| Styrene                   | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| Bromobenzene              | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| Bromodichloromethane      | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| Bromoform                 | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| Bromomethane              | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| Chlorodibromomethane      | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| Chloroethane              | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| Chloroform                | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| Chloromethane             | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| 2-Chlorotoluene           | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| 4-Chlorotoluene           | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| Dibromomethane            | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| Methyl tert-butyl ether   | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| 1,3-Dichlorobenzene       | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| 1,1-Dichloroethane        | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| 1,3-Dichloropropane       | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| 2,2-Dichloropropane       | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| 1,1-Dichloropropene       | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| 1,3-Dichloropropene       | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| 1,1,1,2-Tetrachloroethane | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| 1,1,2,2-Tetrachloroethane | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| 1,2,3-Trichloropropane    | BDL    | 0.50       | ug/l  | 524.2  | 10/10/12 | 1    |
| Surrogate Recovery        |        |            |       |        |          |      |

BDL - Below Detection Limit  
 Det. Limit - Practical Quantitation Limit (PQL)





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Est. 1970

REPORT OF ANALYSIS

January 10, 2013

Jeff Neisse  
Carlson McCain  
248 Apollo Drive, Suite 100  
Lino Lakes, MN 55014

Date Received : October 09, 2012  
Description : Moose Junction Lonny  
Sample ID : SWONSON WELL  
Collected By : Jeff Neisse  
Collection Date : 10/05/12 11:00

ESC Sample # : L599690-05

Site ID :

Project # : 2490.00

| Parameter              | Result | Det. Limit | Units  | Method | Date     | Dil. |
|------------------------|--------|------------|--------|--------|----------|------|
| 4-Bromofluorobenzene   | 102.   |            | % Rec. | 524.2  | 10/10/12 | 1    |
| 1,2-Dichlorobenzene-d4 | 100.   |            | % Rec. | 524.2  | 10/10/12 | 1    |

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Reported: 10/12/12 14:06 Revised: 01/10/13 08:46



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REPORT OF ANALYSIS

January 10, 2013

Jeff Neisse  
Carlson McCain  
248 Apollo Drive, Suite 100  
Lino Lakes, MN 55014

ESC Sample # : L599690-04

Date Received : October 09, 2012  
Description : ~~Moose Junction Lonny~~

Site ID :

Sample ID : SITE WELL

Project # : 2490.00

Collected By : Jeff Neisse  
Collection Date : 10/05/12 12:25

| Parameter              | Result | Det. Limit | Units  | Method | Date     | Dil. |
|------------------------|--------|------------|--------|--------|----------|------|
| 4-Bromofluorobenzene   | 103.   |            | % Rec. | 524.2  | 10/10/12 | 1    |
| 1,2-Dichlorobenzene-d4 | 103.   |            | % Rec. | 524.2  | 10/10/12 | 1    |

BDL - Below Detection Limit  
Det. Limit - Practical Quantitation Limit (PQL)  
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Reported: 10/12/12 14:06 Revised: 01/10/13 08:46



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REPORT OF ANALYSIS

January 10, 2013

Jeff Neisse
Carlson McCain
248 Apollo Drive, Suite 100
Lino Lakes, MN 55014

ESC Sample # : L599690-04

Date Received : October 09, 2012
Description : Moose Junction Lonny

Site ID :

Sample ID : SITE WELL

Project # : 2490.00

Collected By : Jeff Neisse
Collection Date : 10/05/12 12:25

Table with columns: Parameter, Result, Det. Limit, Units, Method, Date, Dil. Rows include Volatile Organics, Benzene, Carbon tetrachloride, 1,4-Dichlorobenzene, etc.

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit (PQL)

Company Name/Address:  
 Carlson McCain  
 248 Apollo Drive  
 Lino Lakes 55014

Alternate billing information:  
 SAME

Analysis/Container/Preservative

A184

Chain of Custody  
 Page \_\_\_ of \_\_\_

Report to: Jeff Neisse

Email to: jneisse@carlsonmccain.com

Prepared by:

**ENVIRONMENTAL  
 SCIENCE CORP.**

12065 Lebanon Road  
 Mt. Juliet, TN 37122

Phone (615) 758-5858  
 Phone (800) 767-5859  
 FAX (615) 758-5859

Project Description: Moose Junction Lounge

City/State Collected: Dairfield, WI

Phone: (763) 487-7908  
 FAX:

Client Project #: 2490-00

ESC Key:

Collected by: Jeff Neisse

Site/Facility ID#:

P.O.#:

Collected by (signature):  
 Immediately Packed on Ice N \_\_\_ Y

**Rush?** (Lab MUST Be Notified)  
 \_\_\_ Same Day.....200%  
 \_\_\_ Next Day.....100%  
 \_\_\_ Two Day.....50%  
 \_\_\_ Three Day.....25%

Date Results Needed:  
 Email? \_\_\_No  Yes  
 FAX?  No \_\_\_ Yes

No. of Cntrs

|          |                 |  |  |  |  |  |  |  |  |
|----------|-----------------|--|--|--|--|--|--|--|--|
| PVOC + N | VOC (EPA 521.2) |  |  |  |  |  |  |  |  |
|----------|-----------------|--|--|--|--|--|--|--|--|

CoCode (lab use only)  
 Template/Prelogin  
 Shipped Via:

| Sample ID    | Comp/Grab | Matrix* | Depth | Date    | Time | No. of Cntrs |   |  |  |  |
|--------------|-----------|---------|-------|---------|------|--------------|---|--|--|--|
| MW-2         | G         | GW      |       | 10/5/12 | 1300 | 3            | X |  |  |  |
| MW-4         | G         |         |       |         | 1400 | 3            | X |  |  |  |
| MW-5R        | G         |         |       |         | 1115 | 3            | X |  |  |  |
| Site Well    | G         |         |       |         | 1225 | 3            | X |  |  |  |
| Swenson Well | G         |         |       |         | 1100 | 3            | X |  |  |  |
| Trip Blank   | G         | GW      |       | 10/5/12 |      | 1            | X |  |  |  |

| Remarks/Contaminant | Sample # (lab only) |
|---------------------|---------------------|
|                     | 1599690-01          |
|                     | 02                  |
|                     | 03                  |
|                     | 04                  |
|                     | 05                  |
|                     | 06                  |

\*Matrix: SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other \_\_\_\_\_

pH \_\_\_\_\_ Temp \_\_\_\_\_

Remarks:

5040 0675 6/6/12 Flow \_\_\_\_\_ Other \_\_\_\_\_

|                              |               |             |                                  |   |  |
|------------------------------|---------------|-------------|----------------------------------|---|--|
| Relinquished by: (Signature) | Date: 10-8-12 | Time: 13:00 | Received by: (Signature)         | Samples returned via: <input type="checkbox"/> UPS <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> Courier | Condition: (lab use only) <input checked="" type="checkbox"/> TD |
| Relinquished by: (Signature) | Date:         | Time:       | Received by: (Signature)         | Temp: 3/0   | Bottles Received: 164  |
| Relinquished by: (Signature) | Date:         | Time:       | Received for lab by: (Signature) | Date: 10/9/12   | Time: 0900   |

CoC Seals Intact \_\_\_ Y \_\_\_ N  NA  
 pH Checked: NCF







# Well Purging and Sample Collection

Well No.

MW-2

Project Name/Location: Moose Jct. Lounge / Moose Jct. Project No.: 2490  
 Date: 4/27/12 Weather: cloudy & ~50°  
 Purging Method  Pumped  Bailed Other \_\_\_\_\_  
 Pump Type: \_\_\_\_\_ Bailer Type: HDPE  
 Depth to Water (D.T.W.) 5.83 Depth to Bottom (D.T.B.) 14.75  
 Volume Calculation: (14.75 - 5.83) \* .163 \* 3 = 4.30  
 Gals./Well Volume: \_\_\_\_\_ [(D.T.B. - D.T.W.) gal./ft.] = Gals./well volume]

| Time | Volume Removed (gal.) | pH | Cond. (uS/cm) | Temp. (°C) | ORP (mv) | DO (ppm) | Turbidity (ntu) | Odor Y/N | Color |
|------|-----------------------|----|---------------|------------|----------|----------|-----------------|----------|-------|
| 1:25 | 0.25                  |    |               |            |          |          |                 | Y strong | clear |
|      | 1.0                   |    |               |            |          |          |                 |          |       |
|      | 2.0                   |    |               |            |          |          |                 |          |       |
|      | 3.0                   |    |               |            |          |          |                 |          |       |
|      | 4.0                   |    |               |            |          |          |                 |          |       |
| 1:47 | 4.50                  |    |               |            |          |          |                 |          |       |
|      |                       |    |               |            |          |          |                 |          |       |
|      |                       |    |               |            |          |          |                 |          |       |
|      |                       |    |               |            |          |          |                 |          |       |
|      |                       |    |               |            |          |          |                 |          |       |

Sample No.: MW-2 Time: 1:50  
 Field Blank  Time: \_\_\_\_\_  
 Well Duplicate  Time: \_\_\_\_\_  
 Containers: 3 40 mL vials  
 Analysis: PVOC + N  
 Signature: [Signature] Date: 4 / 27 / 12

| Inside Well Diameter | gal./ft.     |
|----------------------|--------------|
| 2"                   | <u>0.163</u> |
| 4"                   | 0.653        |
| 6"                   | 1.469        |
| 8"                   | 2.611.       |



# Well Purging and Sample Collection

Well No.

MW-4

Project Name/Location: Moose Jct. Lounge / Moose Jct. Project No.: 2490  
 Date: 4/27/12 Weather: cloudy & ~50°  
 Purging Method  Pumped  Bailed Other \_\_\_\_\_  
 Pump Type: \_\_\_\_\_ Bailer Type: HDPE  
 Depth to Water (D.T.W.) 3.99 Depth to Bottom (D.T.B.) 14.72  
 Volume Calculation:  $(14.72 - 3.99) * .163 * 3 = 5.24$   
 Gals./Well Volume: \_\_\_\_\_ [(D.T.B. - D.T.W.) gal./ft.] = Gals./well volume]

| Time  | Volume Removed (gal.) | pH | Cond. (uS/cm) | Temp. (°C) | ORP (mv) | DO (ppm) | Turbidity (ntu) | Odor Y/N | Color                |
|-------|-----------------------|----|---------------|------------|----------|----------|-----------------|----------|----------------------|
| 12:35 | 0.25                  |    |               |            |          |          |                 | Y slight | clear w/ tanish tint |
|       | 1.0                   |    |               |            |          |          |                 |          |                      |
|       | 2.0                   |    |               |            |          |          |                 |          |                      |
|       | 3.0                   |    |               |            |          |          |                 |          |                      |
|       | 4.0                   |    |               |            |          |          |                 |          |                      |
|       | 5.0                   |    |               |            |          |          |                 |          |                      |
| 1:00  | 5.50                  |    |               |            |          |          |                 |          |                      |
|       |                       |    |               |            |          |          |                 |          |                      |
|       |                       |    |               |            |          |          |                 |          |                      |
|       |                       |    |               |            |          |          |                 |          |                      |

Sample No.: MW-4 Time: 1:05  
 Field Blank  Time: \_\_\_\_\_  
 Well Duplicate  Time: \_\_\_\_\_  
 Containers: 3 40 mL vials Analysis: PVOC + N  
 Signature: JRM Date: 4 / 27 / 12

| Inside Well Diameter | gal./ft. |
|----------------------|----------|
| 2"                   | 0.163    |
| 4"                   | 0.653    |
| 6"                   | 1.469    |
| 8"                   | 2.611    |





# Well Purging and Sample Collection

Well No.

MW-SR

Project Name/Location: Moose Jct. Lounge / Moose Jct. Project No.: #2490Date: 4/27/12 Weather: cloudy + ~50°Purging Method  Pumped  Bailed Other \_\_\_\_\_Pump Type: \_\_\_\_\_ Bailer Type: HDPEDepth to Water (D.T.W.) 4.35 Depth to Bottom (D.T.B.) 13.40Volume Calculation: (13.40 - 4.35) \* .163 \* 3 = 4.42Gals./Well Volume: [(D.T.B. - D.T.W.) gal./ft.] = Gals./well volume]

| Time                               | Volume Removed (gal.) | pH | Cond. (uS/cm) | Temp. (°C) | ORP (mv) | DO (ppm) | Turbidity (ntu) | Odor Y/N | Color                         |
|------------------------------------|-----------------------|----|---------------|------------|----------|----------|-----------------|----------|-------------------------------|
| 11:30                              | 0.25                  |    |               |            |          |          |                 | Y slight | clear                         |
|                                    | 1.0                   |    |               |            |          |          |                 |          | clear                         |
|                                    | 2.0                   |    |               |            |          |          |                 |          | clear                         |
|                                    | 3.0                   |    |               |            |          |          |                 |          | clear                         |
| 11:57                              | 4.0                   |    |               |            |          |          |                 | Y slight | clear w/<br>brown turbid tint |
| - Bailed well dry @ ~4.0 gallons - |                       |    |               |            |          |          |                 |          |                               |
|                                    |                       |    |               |            |          |          |                 |          |                               |
|                                    |                       |    |               |            |          |          |                 |          |                               |
|                                    |                       |    |               |            |          |          |                 |          |                               |
|                                    |                       |    |               |            |          |          |                 |          |                               |

Sample No.: MW-SRTime: 12:00Field Blank  Time: \_\_\_\_\_

Sample No.: \_\_\_\_\_

Well Duplicate  Time: \_\_\_\_\_

Sample No.: \_\_\_\_\_

Containers: 3 40 mL vialsAnalysis: PROCT N

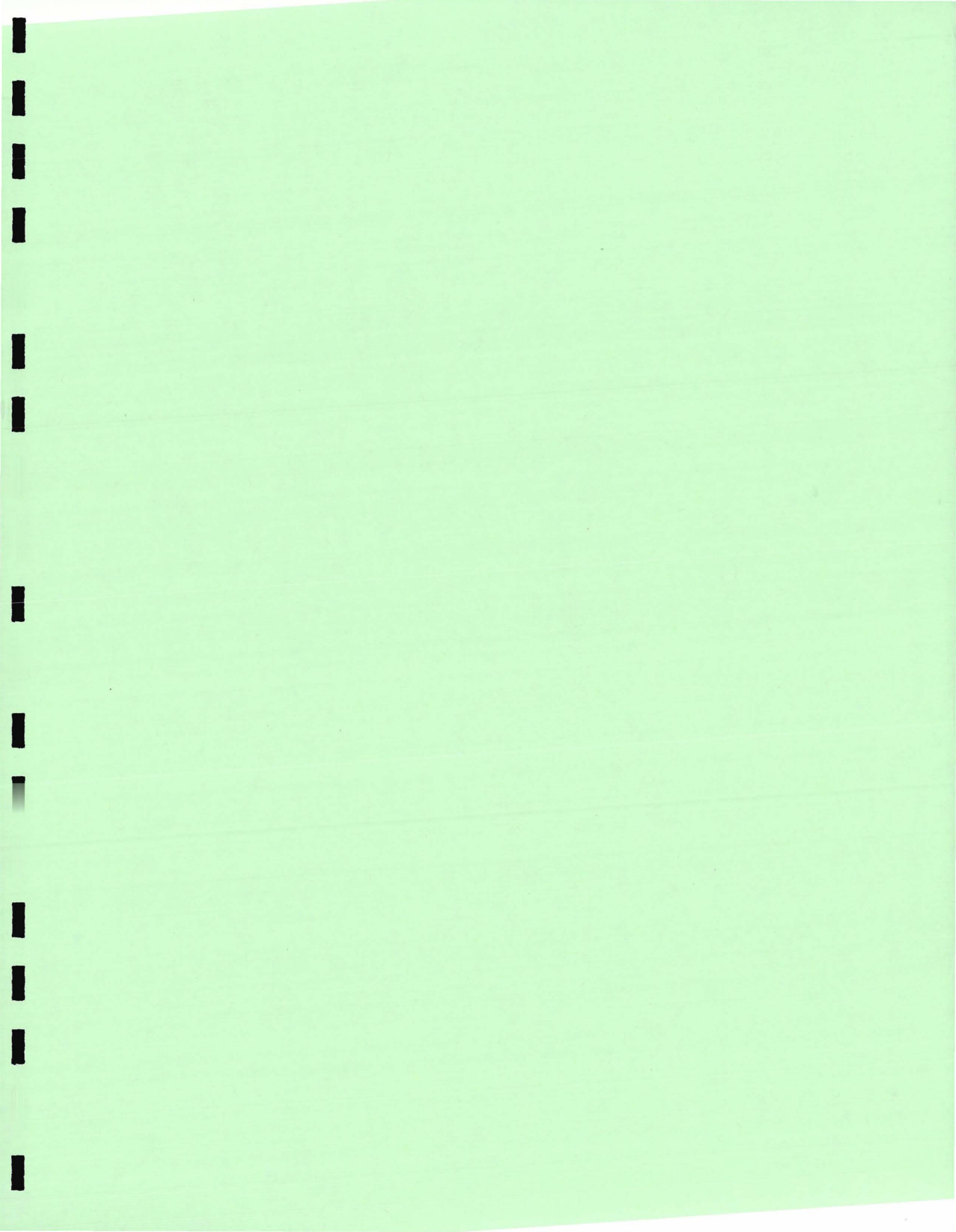
Analysis: \_\_\_\_\_

Analysis: \_\_\_\_\_

Signature: ARMDate: 4 / 27 / 12

| Inside Well Diameter | gal./ft.     |
|----------------------|--------------|
| 2"                   | <u>0.163</u> |
| 4"                   | 0.653        |
| 6"                   | 1.469        |
| 8"                   | 2.611        |







# WATER LEVEL LOG SHEET

Project Name/Location

Moose Junction Hwy

Project No.:

2490-02

| Well Number | Depth to Water | Depth to Bottom | Elevation of Top of Pipe | Water Elevation | Comments |
|-------------|----------------|-----------------|--------------------------|-----------------|----------|
| MW-1        | 7.82           | 12.15           |                          |                 |          |
| MW-2        | 8.25           | 14.75           |                          |                 |          |
| MW-3        | 5.92           | 12.94           |                          |                 |          |
| MW-4        | 5.82           | 14.72           |                          |                 |          |
| MW-5R       | 6.28           | 13.40           |                          |                 |          |
|             |                |                 |                          |                 |          |
|             |                |                 |                          |                 |          |
|             |                |                 |                          |                 |          |
|             |                |                 |                          |                 |          |
|             |                |                 |                          |                 |          |
|             |                |                 |                          |                 |          |
|             |                |                 |                          |                 |          |
|             |                |                 |                          |                 |          |
|             |                |                 |                          |                 |          |
|             |                |                 |                          |                 |          |
|             |                |                 |                          |                 |          |

Comments:

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Signature:

Date:

10/5/12



# WELL PURGING AND SAMPLE COLLECTION

Well No.

MW-2

Project Name/Location: Rose Junction Lounge Project No.: 2490  
 Date: 10/5/12 Weather: OVERCAST, COOL  
 Purging Method  Pumped  Bailed Other \_\_\_\_\_  
 Pump Type: \_\_\_\_\_ Bailer Type: HDPE  
 Depth to Water (D.T.W.) 8.25 Depth to Bottom (D.T.B.) 8.14.75  
 Volume Calculation: (14.75 - 8.25) 0.163 → 6.5 x 0.163 = 1.05  
 Gals./Well Volume: \_\_\_\_\_ [(D.T.B. - D.T.W.) gal./ft.] = Gals./well volume]

| Time | Volume Removed (gal.) | pH | Cond. (uS/cm) | Temp. (°C) | ORP (mv) | DO (ppm) | Turbidity (ntu) | Odor Y/N | Color |
|------|-----------------------|----|---------------|------------|----------|----------|-----------------|----------|-------|
| 1242 | 0.25                  |    |               |            |          |          |                 | Y        | Clear |
| 1244 | 1.0                   |    |               |            |          |          |                 | Y        | Clear |
| 1246 | 2.0                   |    |               |            |          |          |                 | Y        | Clear |
| 1252 | 3.0                   |    |               |            |          |          |                 | Y        | Clear |
| 1256 | 4.0                   |    |               |            |          |          |                 | Y        | Clear |
|      |                       |    |               |            |          |          |                 |          |       |
|      |                       |    |               |            |          |          |                 |          |       |
|      |                       |    |               |            |          |          |                 |          |       |
|      |                       |    |               |            |          |          |                 |          |       |
|      |                       |    |               |            |          |          |                 |          |       |
|      |                       |    |               |            |          |          |                 |          |       |
|      |                       |    |               |            |          |          |                 |          |       |

Sample No.: 10/5/12 MW-2 Time: 1300  
 Field Blank  Time: \_\_\_\_\_ Sample No.: \_\_\_\_\_  
 Well Duplicate  Time: \_\_\_\_\_ Sample No.: \_\_\_\_\_  
 Containers: 3 - 20.0L Analysis: \_\_\_\_\_  
 Analysis: \_\_\_\_\_  
 Analysis: \_\_\_\_\_  
 Signature: [Signature] Date: 10 / 5 / 12

| Inside Well Diameter | gal./ft. |
|----------------------|----------|
| 2"                   | 0.163    |
| 4"                   | 0.653    |
| 6"                   | 1.469    |
| 8"                   | 2.611    |



WELL PURGING AND SAMPLE COLLECTION

Well No.

MW - SR

Project Name/Location: Moose Junction Lounge Project No.: 2490

Date: 10/5/12 Weather: OVERCAST

Purging Method [ ] Pumped [x] Bailed Other

Pump Type: Bailer Type: HDPE

Depth to Water (D.T.W.): Depth to Bottom (D.T.B.) 13.40

Volume Calculation: 13.40 - 6.28 (7.12) 0.163 -> 1.16

Gals./Well Volume: [(D.T.B. - D.T.W.) gal./ft.] = Gals./well volume]

Table with 10 columns: Time, Volume Removed (gal.), pH, Cond. (uS/cm), Temp. (°C), ORP (mv), DO (ppm), Turbidity (ntu), Odor Y/N, Color. Rows include data for times 1045, 1048, 1052, 1110, 1115.

Sample No.: MW - SR Time: 1115
Field Blank [ ] Time:
Well Duplicate [ ] Time:
Containers:
Signature: [Signature] Date: 10 / 5 / 12

Table with 2 columns: Inside Well Diameter, gal./ft. Rows: 2" (0.163), 4" (0.653), 6" (1.469), 8" (2.611)



WELL PURGING AND SAMPLE COLLECTION

Well No.

MW-4

Project Name/Location: Moose Junction Lounge Project No.: 12490-02

Date: 10/5/12 Weather: Overcast

Purging Method [ ] Pumped [X] Bailed Other

Pump Type: Bailer Type: HOPE

Depth to Water (D.T.W.) 5.82 Depth to Bottom (D.T.B.) 14.72

Volume Calculation: (8.9) \* 0.163 -> 1.45

Gals./Well Volume: [(D.T.B. - D.T.W.) gal./ft.] = Gals./well volume]

Table with 10 columns: Time, Volume Removed (gal.), pH, Cond. (uS/cm), Temp. (°C), ORP (mv), DO (ppm), Turbidity (ntu), Odor Y/N, Color. Rows include data for times 1340, 1346, 1352, and 1358.

Sample No.: MW-4 Time: 1400
Field Blank [ ] Time:
Well Duplicate [ ] Time:
Containers:
Signature: [Signature] Date: 10 / 5 / 12

Table with 2 columns: Inside Well Diameter, gal./ft. Rows include diameters 2", 4", 6", and 8" with corresponding volume values.