Carlson McCain

ENVIRONMENTAL • ENGINEERING • LAND SURVEYING

February 23, 2012

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; 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. 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. Carlson McCain will continue to complete the scope of work as detailed in the original bid, including two additional rounds of groundwater and potable well sampling. Once the additional tasks are completed, Carlson McCain will prepare a Groundwater Monitoring Report summarizing additional results, and at that time Carlson McCain will recommend additional active remediation, if necessary.

If you have any questions regarding the attached report, or any other questions relating to the Site, please contact me at (218) 625-7004.

Sincerely,

Carlson McCain, Inc.

Hillary McGown
Environmental Scientist

Enclosure: Groundwater Monitoring Report and associated appendices

Cc: Mr. Trent Sprague (Responsible Party)
Mr. David Blair (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

February 23, 2012

Carlson McCain

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February 23, 2012

Mr. David Blair
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. Blair 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 July 2010 and January 2012. 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. One 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: one round of groundwater monitoring prior to injection activities (baseline sampling); remedial action through injection of an in situ chemical treatment; post injection soil sampling; re-installation of monitoring well MW-5; five rounds of quarterly post injection groundwater monitoring; two rounds of quarterly drinking water well sampling of the Site well; seven rounds of quarterly drinking water well sampling of the Swenson residence well; and annual reporting. This report serves to summarize the first year of quarterly monitoring events. The Site is located at 13195 South State Highway 35 in Dairyland, Wisconsin, 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 Keweenawan volcanic rock and is expected at a depth ranging between 5 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 1 and 3 feet bgs.

The regional groundwater flow direction is to the south. Hydraulic conductivity tests conducted in Site monitoring wells determined values ranging between $2.7x10^{-5}$ and $4.3x10^{-5}$ cm/sec, with a resultant groundwater flow velocity of 3.6 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 until recently in October of 2011.

The Wisconsin Department of Commerce approved an additional cost cap modification to perform remediation and additional groundwater monitoring activities at the Site (Bid Round 54). 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.

Post-Injection Soil Sampling

Carlson McCain personnel were on-site January 10, 2012, to oversee the advancement of four post-injection soil borings (GP-1 through GP-4). A figure depicting the post-injection soil boring locations is provided as Figure 2b, attached. Soil samples were collected from each soil boring to determine the effectiveness of the in-situ chemical injection treatment. Soil borings were advanced in locations which were targeted during the in situ chemical injection and in areas where soil contaminants were previously identified. Two soil samples were collected from post-injection soil borings GP-1 through GP-3 and one soil sample was collected from GP-4. Soil samples were collected from intervals targeted during the in situ chemical injections, ranging from the 2-6 and the 10-14 foot intervals. The collected soil samples were submitted to Siemens Water Technologies (Siemens) for laboratory analysis of petroleum volatile organic compounds (PVOCs) and naphthalene. The results of the post-injection soil sampling, in addition to historic soil sampling results, are summarized in the attached Tables 1a and 1b. Complete soil analytical reports for the post-injection soil samples are included, in their entirety, in Appendix A.

Prior to starting intrusive work, all underground utilities were cleared through the Wisconsin Digger Hotline State System. As part of this investigation, four boreholes were drilled using direct push technology. Each soil boring was advanced using a truck mounted Geoprobe™ and Macro Core™ sampling device. The Macro-Core™ soil sampling device utilized 1.0-inch outside diameter (O.D.) by 4-foot long steel probe rods equipped with a 4-foot long, 1.75 inch O.D. soil core sampler which was hydraulically driven to a desired sampling depth by the Geoprobe™. Soil was collected in 1.5-inch O.D. removable acetate liners. Air monitoring and bag headspace analysis was conducted using a photoionization detector (PID) in accordance with WDNR protocols. All soil samples collected for laboratory analysis were manually and visually classified by a Carlson McCain field scientist using the Unified Soil Classification System (USCS) according to the methods outlined in ASTM D2488-84 and entered onto field boring logs. Soil boring log information sheets (Form 4400-122) are attached as Appendix B. After soil samples had been collected, each test hole was abandoned using a bentonite grout. A copy of the WDNR Well and Boring Sealing Forms (Form 3300-005) are attached as Appendix C.

To determine if contamination was present in soil, visual and olfactory observations, as well as vapor monitoring using a PID, were conducted. Organic vapors were measured in soils using bag headspace methods. Using this method, each soil sample was placed into a sealable baggie, shaken and then placed in a warm environment to allow organic vapors to develop. The highest meter response within 10 seconds was recorded on the field forms.

Soil samples submitted to Siemens for chemical analysis were collected directly from the acetate sleeves. Samples were field preserved (if required) 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 parameter(s), preservative(s), 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 then 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.

The sampling surface was kept as clean as practical to minimize the potential for contamination of samples. A clean and dry sheet of relatively inert plastic (i.e. unused trash bag) was placed on the working surface. If materials used in the sampling process were set down, they were placed on a clean portion of the plastic sheet. A clean pair of latex or nitrile gloves was used at the onset of sampling activities at each new sampling point. Sampling personnel kept their hands as clean as practical and replaced gloves between each sample and/or if they became soiled while performing sampling activities. Furthermore, sampling personnel took care not to touch the inside of sampling containers, inside of bottle caps or the rim of sample containers. If contact occurred, sample containers were replaced. Care was also exercised to minimize the potential for airborne contamination of samples during collection.

The results of the post-injection soil sampling indicate that low petroleum contamination still exists at the Site. Soil boring GP-1, advanced adjacent to monitoring well MW-2, revealed all analyzed constituents were not detected above laboratory detection limits. Site Investigation activities had documented relatively high contaminant concentrations within the area of MW-2. It appears the in situ chemical injections were successful in treating contaminant concentrations within this area. Maximum soil contaminant concentrations were noted in soil boring GP-4 within the 4-6 foot bgs interval. Soil boring GP-4 was advanced adjacent to monitoring well MW-1. The in situ chemical injections did not target this area and high contaminant concentrations remain in-place in the area of MW-1/GP-4. WDNR Residual Contaminant Levels (RCLs) in the 4-6 foot interval within GP-4 were exceeded for the following compounds: toluene (14.6 mg/kg); ethylbenzene (16.80 mg/kg); and xylenes (86.40 mg/kg). In addition, soil boring GP-4 had detections of trimethylbenzenes (57.0 mg/kg) and naphthalene (7.60 mg/kg) also within the 4-6 foot interval. Benzene was detected at concentrations above the WDNR RCLs within soil boring GP-2 from the 12-14 foot interval (0.140 mg/kg) and in soil boring GP-3 from the 10-12 foot interval (0.078 mg/kg). All other collected soil samples did not reveal concentrations above laboratory detection limits for all analyzed constituents. The attached Figure 2b visually displays the location of the four post-injection soil boring locations. Soil sampling results are summarized in the attached Table 1a. The soil borings were advanced in locations believed to best represent the overall post-injection subsurface soil conditions.

Monitoring Well/Piezometer Nest Installation

The monitoring well and piezometer nest MW-6/PZ-1 was not installed as part of this scope of work. Due to access related issues with the neighboring property to the south, the well nest could not be installed in the proposed location. Through correspondence with the WDNR project manager and the Wisconsin Department of Commerce (WCOM), it was determined that an additional cost cap modification be prepared with a reconciliation of the costs associated with the well nest which was not installed, and for the sampling associated with this additional well nest which would not occur.

In addition, during an initial Site visit completed by Carlson McCain, monitoring well MW-5 could not be located. The installed monitoring well (MW-5R) was re-installed in approximately the same location as the former well (MW-5). On July 13, 2010, Carlson McCain personnel were on-site to oversee the re-installation of monitoring well MW-5R. Braun Intertec (Braun) performed the monitoring well installation. A WDNR monitoring well construction form (Form 4400-133A) is provided as Appendix D. Well installation was conducted in accordance with WDNR well construction standards. The well was constructed using a two-inch diameter, 10-foot, factory slotted, No. 10 slot (0.01 inch) polyvinyl chloride (PVC) screen. The well was completed to the surface using flush threaded PVC. A clean filter pack with a minimum annular thickness of two inches was placed around the well screen and extended approximately one to two feet above the top of the well screen. A two-foot thick bentonite seal was placed above the filter pack, followed by cement-bentonite grout to within four feet of ground surface. Well protection consisted of a 6-inch diameter, steel protective casing.

The monitoring well was developed following installation. The purpose of development was to remove fines (silts and clays) from the filter pack and adjacent formation. Ideally, well development consists of removing a minimum of five well volumes (including filter pack) of water using disposable high density polyethylene (HDPE) bailers.

All downhole equipment used during the well development process was dedicated to the well and disposed after use or decontaminated prior to use in the well and at the completion of well development. Decontamination consisted of a Liquinox® wash, followed by a tap-water rinse and completed with a deionized-water rinse. All disposable supplies (i.e. HDPE bailers, rope, gloves, paper towels, etc.) were disposed as solid waste.

Well development was conducted by Carlson McCain personnel and measurements were recorded on a well development form (Appendix D). Well development and stabilization procedures were conducted in accordance with applicable WDNR procedures and protocols. All field instruments used during well development were calibrated in the field prior to use and entered onto a calibration log sheet.

Groundwater Sampling Methods and Procedures

Through correspondence with WDNR and WCOM staff, it was determined that a preliminary (baseline) round of groundwater sampling be completed for the Site monitoring well network prior to the proposed in situ chemical injections. The first round of groundwater monitoring for this phase of work was completed on July 13, 2010, and the entire monitoring well network (MW-1, MW-2, MW-3, MW-4

and MW-5R) was sampled. The collected groundwater samples were submitted for laboratory analysis of petroleum volatile organic compounds (PVOCs). The entire monitoring well network (MW-1, MW-2, MW-3, MW-4 and MW-5R) was sampled again on November 23, 2010, which was the first round of groundwater monitoring following the in situ chemical injections, for laboratory analysis of PVOCs and naphthalene. Monitoring wells MW-1, MW-2, MW-4 and MW-5R were sampled for the March, July and October sampling events completed in 2010. Monitoring wells MW-2, MW-3, MW-4 and MW-5R were sampled for the January 26, 2012, sampling event. The collected groundwater samples were submitted for laboratory analysis of 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 2.

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 E.

All samples submitted to Northeast Technical Services (NTS) and Siemens Water Technologies (Siemens) 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

July 2010

The first groundwater sampling event for this reporting period was conducted on July 13, 2010. Groundwater samples were collected from the monitoring well network (MW-1, MW-2, MW-3, MW-4 and MW-5R). Groundwater samples were submitted to Siemens for laboratory analysis of PVOCs. The WDNR enforcement standard (ES) for benzene (5 micrograms per liter (µg/L)) was exceeded at sampling locations MW-2 (4,060 µg/L) and MW-4 (11.5 µg/L). Monitoring location MW-2 also exceeded the WDNR ES for the following compounds: toluene (1,410 µg/L); ethylbenzene (866 µg/L); xylenes (7,240 µg/L); and trimethylbenzenes (1,785 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 July 13, 2010, sampling event is attached as Figure 3a. Groundwater flow direction was interpolated to be to the south-southeast. The potentiometric surface map for the July 13, 2010, sampling event is attached as Figure 4a.

November 2010

The second groundwater sampling event for this reporting period was completed on November 23, 2010. Groundwater samples were collected from the monitoring well network (MW-1, MW-2, MW-3, MW-4 and MW-5R) and submitted to Siemens for laboratory analysis of PVOCs and naphthalene. Monitoring location MW-2 exceeded the WDNR ES for the following compounds: benzene (4,100 µg/L); toluene (4,860 µg/L); xylenes (6,990 µg/L); methyl tert-butyl ether (MTBE - 68.4 µg/L); trimethylbenzenes (2,229 µg/L); and naphthalene (443 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 November 23, 2010, sampling event is attached as Figure 3b. Groundwater flow direction appears to be to the south. The potentiometric surface map for the November 23, 2010, sampling event is attached as Figure 4b.

March 2011

The third groundwater sampling event for this reporting period was completed on March 4, 2011. Groundwater samples were collected from monitoring wells MW-1, MW-2, MW-4 and MW-5R and submitted to NTS for laboratory analysis of PVOCs and naphthalene. The WDNR ES for benzene was exceeded at sampling locations MW-2 (6,000 µg/L) and MW-4 (21 µg/L). Monitoring location MW-2 also exceeded the WDNR ES for the following compounds: toluene (7,700 µg/L); ethylbenzene (750 µg/L); trimethylbenzenes (1,680 µg/L); and naphthalene (290 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 March 4, 2011, sampling event is attached as Figure 3c. Groundwater flow direction is to the south and is similar to the previous sampling events. The potentiometric surface map for the March 4, 2011, sampling event is attached as Figure 4c.

July 2011

The fourth groundwater sampling event for this reporting period was completed on July 22, 2011. Groundwater samples were collected from monitoring wells MW-1, MW-2, MW-4 and MW-5R and submitted to Siemens for laboratory analysis of PVOCs and naphthalene. The WDNR ES for benzene was exceeded at sampling locations MW-2 (7,310 µg/L) and MW-4 (70.6 µg/L). Monitoring location MW-2 also exceeded the WDNR ES for the following compounds: toluene (9,780 µg/L); ethylbenzene (1,110 µg/L); xylenes (11,090 µg/L); trimethylbenzenes (1,813 µg/L); and naphthalene (352 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 July 22, 2011, sampling event is attached as Figure 3d. Groundwater flow direction is to the south and is similar to the previous sampling events. The potentiometric surface map for the July 22, 2011, sampling event is attached as Figure 4d.

October 2011

The fifth groundwater sampling event for this reporting period was completed on October 27, 2011. Groundwater samples were collected from monitoring wells MW-1, MW-2, MW-4 and MW-5R and

submitted to Siemens for laboratory analysis of PVOCs and naphthalene. The WDNR ES for benzene was exceeded at sampling locations MW-2 (6,930 µg/L) and MW-4 (41.1 µg/L). Monitoring location MW-2 also exceeded the WDNR ES for the following compounds: toluene (13,800 µg/L); ethylbenzene (1,980 µg/L); xylenes (12,330 µg/L); trimethylbenzenes (1,908 µg/L); and naphthalene (432 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 27, 2011, sampling event is attached as Figure 3e. Groundwater flow direction is to the south and is similar to the previous sampling events. The potentiometric surface map for the October 27, 2011, sampling event is attached as Figure 4e.

January 2012

The last groundwater sampling event for this reporting period was completed on January 26, 2012. Groundwater samples were collected from monitoring wells MW-2, MW-3, MW-4 and MW-5R and submitted to Siemens for laboratory analysis of PVOCs and naphthalene. The WDNR ES for benzene was exceeded at sampling locations MW-2 (8,350 µg/L) and MW-4 (77.0 µg/L). Monitoring location MW-2 also exceeded the WDNR ES for the following compounds: toluene (19,900 µg/L); ethylbenzene (2,500 µg/L); xylenes (16,530 µg/L); trimethylbenzenes (2,512 µg/L); and naphthalene (586 µg/L). Groundwater sample laboratory analytical results are attached for reference in Appendix A and are summarized in the attached Table 3. Groundwater flow direction is to the south and is similar to the previous sampling events. Figures depicting the benzene isoconcentration contours and potentiometric surface maps are not provided.

Potable Well Water Sampling

Potable well water samples were collected from the Swenson residence on a quarterly basis throughout this reporting period. 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 July 13 and August 3 of 2010, prior to the proposed in situ chemical injections. The Swenson residence water well was sampled quarterly following the in situ chemical injections; sampling was conducted on November 23, 2010 and March 4, July 22 and October 27 of 2011 and also on January 26, 2012. The analytical reports of the Swenson potable well water sampling are included in Appendix A and are summarized in the attached Table 4. Results of the initial potable well water sampling completed on July 13, 2010, indicated that benzene was above the WDNR ES at a concentration of 5.29 µg/L. Subsequent potable well water sampling completed on August 3, 2010, indicated that benzene was below the WDNR ES but above the preventative action limit (PAL) at a concentration of 4.80 µg/L. Potable well water sampling completed on November 23, 2010, and March 4, 2011, indicated the water well was above the WDNR ES for benzene at concentrations of 21.6 µg/L and 6.1 µg/L, respectively. Subsequent potable well water sampling completed on July 22 and October 27 of 2011 indicate that benzene is not detected in the Swenson drinking water well above laboratory detection limits. Conversely, the potable well water sample collected on January 26, 2012, indicated benzene concentrations above the WDNR ES, at a concentration of 12.7 µg/L. Minor concentrations of other BTEX contaminants were identified within the drinking water sample collected on January 26, 2012, but were reported below WDNR PALs.

There was a misunderstanding of the proposed sampling schedule, the Site drinking water well was not sampled on the originally proposed quarterly basis. The Site drinking water well was sampled on October 27, 2011, and the results are summarized in the attached Table 4. The results indicated that benzene was above the WDNR ES at a concentration of 8.36 µg/L. The Site drinking water well was sampled again on January 26, 2011 and the results indicated that the drinking water sample was below laboratory detection limits for all laboratory analyzed constituents. Site conditions at the time of sample collection did not allow for proper flushing of the well lines prior to sample collection. Through correspondence with the WDNR project manager, it was determined that the sample was not representative of Site conditions and another Site drinking water well sample would need to be collected. At the time of this report preparation, this additional drinking water sample had not been collected. The results of the additional Site drinking water sampling will be submitted under a separate cover following sample collection.

Conclusions/Recommendations

Carlson McCain will continue the original scope of work which will consist of two quarterly groundwater sampling events, in addition to two quarterly sampling events of the Site and the Swenson potable wells. At this point, it is difficult to determine the effectiveness of the in situ chemical injections completed at the Site. An increase of contaminant concentrations has been documented in monitoring well MW-2. Monitoring wells MW-1, MW-3 and MW-5R remain as clean monitoring wells. The contaminant detections associated with MW-4 appear to be a second contaminant plume, most likely originating from the former garage which was reported to have existed north of MW-4. Following the completion of the continued quarterly sampling events, Carlson McCain will complete an Annual Monitoring Report summarizing the results of the continued groundwater monitoring. At that time, Carlson McCain will determine a remedial action, if necessary.

Closing

If you have any questions, or require additional information, please contact me at (218) 625-7004 (office) and (218) 260-8605 (cell).

"I, Hillary R. McGown, 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  Date 2-23-12

"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 _____ Date 2-23-12

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

Attachments:

Tables

Table 1a	Post-Injection Soil Analytical Data
Table 1b	Historical Soil Analytical Data
Table 2	Water Level Measurements
Table 3a	Monitoring Well Groundwater Laboratory Analytical Results
Table 3b	Other Contaminants Detected in Monitoring Well Groundwater Samples
Table 4a	Potable Well Laboratory Analytical Results
Table 4b	Other Contaminants Detected in Potable Well Water

Figures

Figure 1	Site Location Map
Figure 2	Site Plan View
Figure 3a-3e	Groundwater Isoconcentration Maps
Figures 4a-4e	Potentiometric Surface Maps

Appendices

Appendix A	Laboratory Analytical Results
Appendix B	Soil Boring Logs (Form 4400-122)
Appendix C	Borehole Abandonment Forms (Form 3300-005)
Appendix D	Monitoring Well Construction / Development Form (Form 4400-133A & B)
Appendix E	Field Forms

Table 1a
Post-Injection Soil Analytical Data
Moose Junction Lounge
Dairyland, Wisconsin
BRRTS # 03-16-000301

Sample ID#	Depth (feet)	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE	1,2,4-TMB	1,3,5-TMB	Naphthalene
GP-1	4-6	1/10/12	<0.016	<0.021	<0.018	<0.038	<0.024	<0.013	<0.018	<0.018
GP-1	12-13	1/10/12	<0.018	<0.023	<0.020	<0.042	<0.026	<0.014	<0.020	<0.020
GP-2	2-4	1/10/12	<0.016	<0.021	<0.018	<0.038	<0.024	<0.013	<0.018	<0.018
GP-2	12-14	1/10/12	**0.140**	<0.021	<0.018	<0.038	<0.024	<0.013	<0.018	<0.018
GP-3	4-6	1/10/12	<0.016	<0.021	<0.018	<0.038	<0.024	<0.013	<0.018	<0.018
GP-3	10-12	1/10/12	**0.078**	<0.021	<0.018	<0.038	<0.024	<0.013	<0.018	<0.018
GP-4	4-6	1/10/12	<0.80	**14.6**	**16.8**	**86.40**	<1.20	42.5	**14.5**	**7.60**
MeOH Blank		1/10/12	<0.016	<0.021	<0.018	<0.038	<0.024	<0.013	<0.018	<0.018
WDNR RCLs			0.0055	1.5	2.9	4.1	NS	83*	11*	2.7*

Notes: All concentrations are listed in mg/kg (ppm) unless otherwise stated. Soil boring locations are depicted on Figure 2b. WDNR RCLS = Wisconsin Department of Natural Resources Residual Contaminant Levels as listed in NR 720.09; * = WDNR soil screening levels as listed in NR 746.06; MTBE = methyl-tert-butyl-ether; TMB = trimethylbenzene; NS = no standard. **BOLD** indicates soil concentration exceeds WDNR RCLS or WDNR soil screening levels.

Table 1b
Historical Soil Analytical Data
Soil Boring Laboratory Analytical Results
Moose Junction Lounge
Dairyland, Wisconsin
BRRTS # 03-16-000301

Sample ID#	Depth (feet)	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE	1,2,4-TMB	1,3,5-TMB	GRO	Total Lead
SB-7	8-10	5/17/93	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<10.0	12.80
SB-8	6-8	5/17/93	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<10.0	8.64
SB-9	4-6	5/18/93	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<10.0	10.30
SB-10	8-10	5/18/93	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<10.0	7.18
SB-11	6-8	5/18/93	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<10.0	9.48
SB-12	4-6	5/18/93	0.277	1.19	2.51	8.25	<0.20	3.95	9.73	308	12.90
SB-12	14-16	5/18/93	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<10.0	11.10
SB-13	2-4	5/19/93	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<10.0	12.00
SB-13 A	12-14	5/19/93	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<10.0	12.60
SB-13	12-14	5/19/93	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<10.0	6.81
MW-1	4-6	5/18/93	10.10	12.70	8.77	39.70	5.67	9.57	23.70	639	9.99
MW-2	4-6	5/19/93	73.60	164	30.70	358	13.90	112	192	4,220	3.38
MW-2	12-13	5/19/93	5.90	5.81	0.846	3.78	<0.20	0.472	1.39	51.50	5.72
MW-3	14-16	5/19/93	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<10.0	6.31
MW-4	8-10	5/18/93	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<10.0	5.95
MW-4	14-16	5/18/93	0.57	0.384	<0.20	0.64	<0.20	<0.20	0.247	<10.0	5.93
Field Blank		5/19/93	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<10.0	NA

Notes: All concentrations are listed in mg/kg (ppm) unless otherwise stated. Soil borings SB-7 through SB-13 were advanced by Earth Remediation Services (ERS) between May 17 and 19, 1993 and monitoring wells MW-1 through MW-4 were installed by ERS between May 17 and 19, 1993. Data collected from soil borings advanced by RMI and Aquatec prior to investigation activities completed by ERS was not available.

MTBE = methyl-tert-butyl-ether; TMB = trimethylbenzene; NA = not analyzed

Table 1b Continued
Historical Soil Analytical Data
Soil Excavation Laboratory Analytical Results
Moose Junction Lounge
Dairyland, Wisconsin
BRRTS # 03-16-000301

Sample ID#	Depth (feet)	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	GRO	Total Lead
9308-B1	12	6/15/93	<0.20	<0.20	<0.20	<0.20	<10.0	7.03
9308-B2	4	6/15/93	6.61	12.40	7.98	9.56	769	9.53
9308-B3	7	6/15/93	<0.20	<0.20	<0.20	<0.20	<10.0	7.62
9308-B4	9	6/15/93	0.644	2.25	1.25	5.82	61.60	9.73
9308-B5	8	6/15/93	1.57	5.72	5.70	24.90	577	7.65
9308-B6	9	6/15/93	11.60	19.80	6.72	30.00	640	9.55
9308-B7	6	6/15/93	7,240	10,500	4,200	18,400	324,000	12.40
9308-B8	7	6/15/93	1.39	1.01	<0.20	0.448	12.10	7.91
Field Blank		6/15/93	NA	NA	NA	NA	<10.0	NA

Notes: All concentrations are listed in mg/kg (ppm) unless otherwise stated. Earth Burners Inc. (EBI) conducted a soil excavation on June 15, 1993. This table summarizes the soil samples collected from that soil excavation. The extents of the soil excavation are depicted on Figure 2a.
NA = not analyzed

Table 2
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	7/13/10	5.51	--	96.47
TOC = 101.98	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
MW-2	7/13/10	6.08	--	94.48
TOC = 100.56	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
MW-3	7/13/10	4.05	--	96.36
TOC = 100.41	11/23/10	3.54	--	96.87
	1/26/12	5.10	--	95.31
MW-4	7/13/10	4.81	--	92.01
TOC = 96.82	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
MW-5R	7/13/10	4.04	--	92.75
TOC = 96.79	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

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

Table 3a
Monitoring Well Groundwater Laboratory Analytical Results
Moose Junction Lounge
Dairyland, Wisconsin
BRRTS # 03-16-000301

Sample ID#	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE	1,2,4-TMB	1,3,5-TMB	Naphthalene
MW-1	5/27/93	**41**	*210*	22	*820*	NA	*96*	*190*	<1.00
	11/93	**48**	7.0	22	61	<5.00	68.0		NA
	3/94	**212**	14.0	25	154	*23*	66.0		NA
	11/03	**8.0**	<0.60	<0.20	<3.00	<0.70	<2.00		NA
	4/06	<0.10	<0.20	<0.50	<2.00	0.11	<2.00		NA
	4/18/07	<0.25	<0.11	<0.22	<0.39	<0.23	<0.25	<0.19	<0.50
	8/15/07	<0.25	<0.11	<0.22	<0.39	<0.23	<0.25	<0.19	<0.50
	10/03/07	<0.25	0.46	<0.22	<0.39	<0.23	<0.25	<0.19	<0.50
	7/13/10	<0.31	<0.37	<0.50	<1.39	<0.30	<0.40	<0.44	NA
	11/23/10	<0.31	<0.37	<0.50	<1.39	<0.30	<0.40	<0.44	<2.00
	3/4/11	<0.14 j5	<0.13 j5	<0.14 j5	<0.43 j5	<0.30 j5	<0.12 j5	<0.14 j5	<0.48 j5
	7/22/11	<0.31	<0.37	<0.50	<1.39	<0.30	<0.40	<0.44	<2.00
	10/27/11	<0.31	<0.37	<0.50	<1.39	<0.30	<0.40	<0.44	<2.00
MW-2	5/27/93	**19,000**	**29,000**	**1,600**	**16,500**	NA	**390**	**470**	<1.00
	11/93	**10,500**	**10,100**	**2,130**	**9,090**	*55.0*	**2,670**		NA
	3/94	**55,200**	**51,200**	**4,000**	**29,800**	**570**	**8,020**		NA
	11/03	**6,400**	**3,800**	**840**	**5,330**	<69.0	**1,630**		NA
	4/06	**4,900**	**770**	**720**	**3,300**	<6.00	**1,430**		NA
	4/18/07	**77.0**	130	23.0	260	<0.23	*79*	*33*	*12.0*
	8/15/07	**8,600**	**17,000**	**1,600**	**14,000**	<46	**2,100**	**630**	**550**
	10/03/07	**170**	**450**	41	*630*	<2.30	*130*	*51*	*20.0*
	7/13/10	**4,060**	**1,410**	**866**	**7,240**	*50.1*	**1,360**	**425**	NA
	11/23/10	**4,100**	**4,860**	*622*	**6,990**	**68.4 J**	**1,580**	**649**	**443**
	3/4/11	**6,000**	**7,700**	**750**	*870*	*42 j5*	**1,200**	**480**	**290 n**
	7/22/11	**7,310**	**9,780**	**1,110**	**11,090**	<30.0	**1,280**	**533**	**352**
	10/27/11	**6,930**	**13,800**	**1,980**	**12,330**	<30.0	**1,440**	**468**	**432**
	1/26/12	**8,350**	**19,900**	**2,500**	**16,530**	<30.0	**1,920**	**592**	**586**
Preventive 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.
MTBE = methyl-tert-butyl-ether; TMB = trimethylbenzene; J = estimated concentration below laboratory quantitation level; n = matrix spike recovery not within control limits; j5 = estimated value. The value is reported to the limit of detection; *Italicized* indicates concentration has exceeded the Preventative Action Limit; **Bold** indicates the concentration exceeds the Enforcement standards.

Table 3a
Monitoring Well Groundwater Laboratory Analytical Results
Moose Junction Lounge
Dairyland, Wisconsin
BRRTS # 03-16-000301

Sample ID#	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE	1,2,4-TMB	1,3,5-TMB	Naphthalene
MW-3	5/27/93	<1.00	<1.00	<1.00	<2.00	NA	<1.00	<1.00	<1.00
	4/18/07	<0.25	<0.11	<0.22	<0.39	<0.23	<0.25	<0.19	<0.50
	7/13/10	<0.31	<0.37	<0.50	<1.39	<0.30	<0.40	<0.44	NA
	11/23/10	<0.31	<0.37	<0.50	<1.39	<0.30	<0.40	<0.44	<2.00
	1/26/12	<0.31	<0.37	<0.50	<1.39	<0.30	<0.40	<0.44	<2.00
MW-4	5/27/93	*3.00*	<1.00	<1.00	<2.00	NA	<1.00	<1.00	<1.00
	11/93	<0.50	<5.00	<5.00	<5.00	<5.00	<5.00		NA
	3/94	<0.50	<5.00	<5.00	<5.00	<5.00	<5.00		NA
	11/03	<0.50	<5.00	<5.00	<5.00	<5.00	<5.00		NA
	4/06	<0.50	<5.00	<5.00	<5.00	<5.00	<5.00		NA
	4/18/07	<0.25	<0.11	<0.22	<0.39	<0.23	<0.25	<0.19	<0.50
	8/15/07	**74.0**	0.24 J	<0.22	0.70 J	<0.23	<0.25	<0.19	<0.50
	10/03/07	<0.25	0.42	<0.22	<0.39	<0.23	<0.25	<0.19	<0.50
	7/13/10	**11.5**	<0.37	<0.50	<1.39	<0.30	<0.40	<0.44	NA
	11/23/10	*2.60*	<0.37	<0.50	<1.39	<0.30	<0.40	<0.44	<2.00
	3/4/11	**21**	<0.13 j5	<0.14 j5	<0.43 j5	<0.30 j5	<0.12 j5	<0.14 j5	<0.48 j5
	7/22/11	**70.6**	0.448 J	<0.50	<1.39	<0.30	<0.40	<0.44	<2.00
	10/27/11	**41.1**	<0.37	<0.50	<1.39	<0.30	<0.40	<0.44	<2.00
	1/26/12	**77.0**	0.577 J	<0.50	0.943 J	<0.30	<0.40	<0.44	<2.00
MW-5	4//18/07	<0.25	0.13 J	<0.22	<0.39	<0.23	<0.25	<0.19	<0.50
	8/15/07	<0.25	<0.11	<0.22	<0.39	<0.23	<0.25	<0.19	<0.50
	10/03/07	<0.25	0.29 J	<0.22	<0.39	<0.23	<0.25	<0.19	<0.50
MW-5R	7/13/10	<0.31	<0.37	<0.50	<1.39	<0.30	<0.40	<0.44	NA
	11/23/10	<0.31	<0.37	<0.50	<1.39	<0.30	<0.40	<0.44	<2.00
	3/4/11	<0.14 j5	<0.13 j5	<0.14 j5	<0.43 j5	<0.30 j5	<0.12 j5	<0.14 j5	<0.48 j5
	7/22/11	<0.31	<0.37	<0.50	<1.39	<0.30	<0.40	<0.44	<2.00
	10/27/11	<0.31	<0.37	<0.50	<1.39	<0.30	<0.40	<0.44	<2.00
	1/26/12	<0.31	<0.37	<0.50	<1.39	<0.30	<0.40	<0.44	<2.00
Preventive 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.
MTBE = methyl-tert-butyl-ether; TMB = trimethylbenzene; J = estimated concentration below laboratory quantitation level; n = matrix spike recovery not within control limits; j5 = estimated value. The value is reported to the limit of detection; *Italicized* indicates concentration has exceeded the Preventative Action Limit; **Bold** indicates the concentration exceeds the Enforcement standards.

Table 3a
Monitoring Well Groundwater Laboratory Analytical Results
Moose Junction Lounge
Dairyland, Wisconsin
BRRTS # 03-16-000301

Sample ID#	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE	1,2,4-TMB	1,3,5-TMB	Naphthalene
Trip Blank	4/18/07	<0.25	0.15 J	<0.22	<0.39	<0.23	<0.25	<0.19	<0.50
	8/15/07	<0.25	0.18 J	<0.22	<0.39	<0.23	<0.25	<0.19	<0.50
	7/13/10	<0.31	<0.37	<0.50	<1.39	<0.30	<0.40	<0.44	NA
	11/23/10	<0.31	<0.37	<0.50	<1.39	<0.30	<0.40	<0.44	<2.00
	3/4/11	<0.14 j5	<0.13 j5	<0.14 j5	<0.43 j5	<0.30 j5	<0.12 j5	<0.14 j5	<0.48 j5
	7/22/11	<0.31	<0.37	<0.50	<1.39	<0.30	<0.40	<0.44	<2.00
	10/27/11	<0.31	<0.37	<0.50	<1.39	<0.30	<0.40	<0.44	<2.00
	1/26/12	<0.31	<0.37	<0.50	<1.39	<0.30	<0.40	<0.44	<2.00
Preventive 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.
MTBE = methyl-tert-butyl-ether; TMB = trimethylbenzene; J = estimated concentration below laboratory quantitation level; n = matrix spike recovery not within control limits; j5 = estimated value. The value is reported to the limit of detection; *Italicized* indicates concentration has exceeded the Preventative Action Limit; **Bold** indicates the concentration exceeds the Enforcement standards.

Table 3b
Other Contaminants Detected in Monitoring Well Groundwater Samples
Groundwater Laboratory Analytical Results
Moose Junction Lounge
Dairyland, Wisconsin
BRRTS # 03-16-000301

Sample ID#	Date	n-Butyl-benzene	tert-Butyl-benzene	Dibromo-chloro-methane	Isopropyl-benzene	p-Isopropyl-toluene	n-Propyl-benzene	GRO	Total Lead
MW-1	5/27/93	<1.00	<1.00	<1.00	3.00	6.00	6.00	6,160	**406**
MW-2	5/27/93	53	270	**130**	53	<1.00	1,300	132,000	**131**
MW-3	5/27/93	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<100	**118**
MW-4	5/27/93	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<100	**18.0**
Preventive Action Limits		NS	NS	6	NS	NS	NS	NS	1.5
Enforcement Standards		NS	NS	60	NS	NS	NS	NS	15

Notes: All concentrations are listed in ug/l (ppb) unless otherwise stated.
NS = No standard. *Italicized* indicates concentration has exceeded the Preventative Action Limit; **Bold** indicates the concentration exceeds the Enforcement standards.

Table 4a
Potable Well Laboratory Analytical Results
Moose Junction Lounge
Dairyland, Wisconsin
BRRTS # 03-16-000301

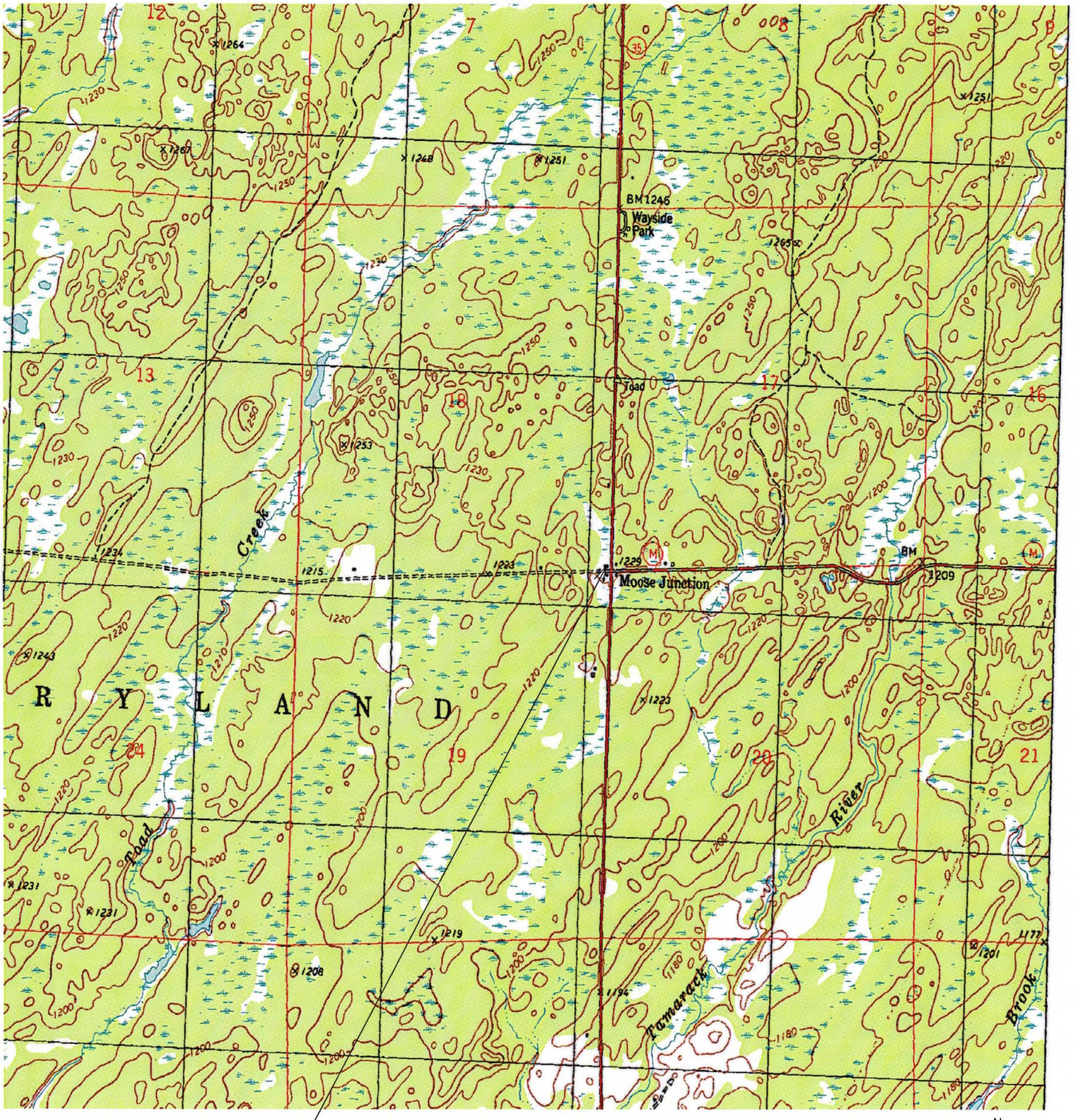
Sample ID#	Date	Benzene	Toluene	Ethyl benzene	Xylenes	MTBE	1,2,4-TMB	1,3,5-TMB	1,2-Dichloro-ethane	Isopropyl-benzene
Swenson Potable Well	11/03	<0.50	<0.60	2.60	4.40	<0.70	0.55		NA	NA
	4/06	*4.30*	<0.25	1.41	1.40	<0.40	0.59		NA	NA
	4/18/07	**15.80**	0.53 J	4.25	<1.00	<0.20	1.97	0.97	<0.20	0.29
	5/15/07	<0.20	<0.40	0.42 J	<1.00	<0.20	<0.20	<0.20	<0.20	<0.10
	10/03/07	<0.050	0.88	0.10 J	0.37	<0.050	0.12 J	<0.050	<0.050	<0.050
	7/13/10	**5.29**	<0.40	3.25	3.05	<0.50	0.99	0.99	0.36 J	<0.20
	8/03/10	*4.80*	<0.40	2.65	3.12	<0.50	0.94	1.22	0.34 J	<0.20
	11/23/10	**21.6**	0.61 J	7.99	8.01	<0.50	3.94	1.94	<0.30	0.48 J
	3/4/11	**6.1**	<0.50	3.4	2.70	<0.50	0.82	<0.50	<0.50	<0.50
	7/22/11	<0.20	<0.40	<0.20	<1.00	<0.50	<0.20	<0.20	<0.30	<0.20
	10/27/11	<0.20	<0.40	<0.20	<1.00	<0.50	<0.20	<0.20	<0.30	<0.20
	1/26/12	**12.7**	<0.40	4.63	4.05	<0.50	1.91	1.31	<0.30	0.30 J
Site Potable Well	5/27/93	<1.00	<1.00	<1.00	<2.00	NA	<1.00	<1.00	<1.00	<1.00
	4/06	<0.17	<0.25	<0.20	<0.51	<0.34	<1.40		NA	NA
	4/18/07	<0.20	0.49 J	<0.10	<1.00	<0.20	<0.20	<0.20	<0.20	<0.10
	10/03/07	<0.050	0.35	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
	10/27/11	**8.36**	<0.40	4.62	4.48	<0.50	1.88	1.65	0.47 J	0.24 J
	01/26/12	<0.20	<0.40	<0.20	<1.00	<0.50	<0.20	<0.20	<0.30	<0.20
Trip Blank	4/18/07	<0.20	0.87 J	<0.10	<1.00	<0.20	<0.20	<0.20	<0.20	<0.10
	5/15/07	<0.20	<0.40	<0.10	<1.00	<0.20	<0.20	<0.20	<0.20	<0.10
	7/13/10	<0.20	<0.40	<0.20	<1.00	<0.50	<0.20	<0.20	<0.30	<0.20
	8/03/10	<0.20	<0.40	<0.20	<1.00	<0.50	<0.20	<0.20	<0.30	<0.20
	11/23/10	<0.20	<0.40	<0.20	<1.00	<0.50	<0.20	<0.20	<0.30	<0.20
	3/4/11	<0.50	<0.50	<0.50	<1.50	<0.50	<0.50	<0.50	<0.50	<0.50
	7/22/11	<0.20	<0.40	<0.20	<1.00	<0.50	<0.20	<0.20	<0.30	<0.20
	10/27/11	<0.20	<0.40	<0.20	<1.00	<0.50	<0.20	<0.20	<0.30	<0.20
	1/26/12	<0.20	<0.40	<0.20	<1.00	<0.50	<0.20	<0.20	<0.30	<0.20
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.
MTBE = methyl-tert-butyl-ether; TMB = trimethylbenzene; NA = Not analyzed; NS = No standard; J = Estimated concentration below laboratory quantitation level; *Italics* indicates concentration has exceeded the Preventative Action Limit; **Bold** indicates concentration has exceeded the Enforcement Standard.

Table 4b
Other Contaminants Detected in Potable Well Water
Potable Well Laboratory Analytical Results
Moose Junction Lounge
Dairyland, Wisconsin
BRRTS # 03-16-000301

Sample ID#	Date	Chloro-methane	Methylene Chloride	1,4-Dichloro-benzene	Naph-thalene	1,1,1-Trichloro-ethane	Bromo-benzene	Chloroform	GRO	Lead
Swenson Potable Well	5/27/93	NA	NA	NA	NA	NA	NA	NA	<100	*7.0*
	11/03	-	-	-	-	-	-	-	NA	NA
	4/06	-	-	-	-	-	-	-	NA	NA
	4/18/07	<0.30	<0.40	<0.80	<1.00	<0.20	<0.20	<0.20	NA	NA
	5/15/07	<0.30	<0.40	<0.80	<1.00	<0.20	<0.20	<0.20	NA	NA
	10/03/07	0.16 J	0.40 J, S2	0.56	1.40	0.17	<0.050	<0.050	NA	NA
	7/13/10	<0.40	<0.40	<0.80	<1.00	<0.50	<0.30	<0.20	NA	NA
	8/03/10	<0.40	<0.40	<0.80	<1.00	<0.50	<0.30	<0.20	NA	NA
	11/23/10	<0.40	<0.40	<0.80	<1.00	<0.50	<0.30	<0.20	NA	NA
	3/10/11	<1.00	<4.00	<0.50	<1.00	<0.50	<0.50	<0.50	NA	NA
	7/22/11	<0.40	<0.40	<0.80	<1.00	<0.50	<0.30	<0.20	NA	NA
	10/27/11	<0.40	<0.40	<0.80	<1.00	<0.50	<0.30	<0.20	NA	NA
	1/26/12	0.89 J	<0.40	<0.80	<1.00	<0.50	<0.30	<0.20	NA	NA
Site Potable Well	5/27/93	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<100	<2.0
	4/06	-	-	-	-	-	-	-	NA	NA
	4/18/07	<0.30	<0.40	<0.80	<1.00	<0.20	<0.20	<0.20	NA	NA
	10/03/07	0.11 J	0.28 J, S2	<0.050	<0.25	<0.050	<0.050	<0.050	NA	NA
	10/27/11	<0.40	<0.40	<0.80	<1.00	<0.50	0.79 J	0.39 J	NA	NA
	01/26/12	<0.40	<0.40	<0.80	<1.00	<0.50	<0.30	<0.20	NA	NA
Trip Blank	4/18/07	<0.30	<0.40	<0.80	<1.00	<0.20	<0.20	<0.20	NA	NA
	5/15/07	<0.30	<0.40	<0.80	<1.00	<0.20	<0.20	<0.20	NA	NA
	7/13/10	<0.40	<0.40	<0.80	<1.00	<0.50	<0.30	<0.20	NA	NA
	8/03/10	<0.40	<0.40	<0.80	<1.00	<0.50	<0.30	<0.20	NA	NA
	11/23/10	<0.40	<0.40	<0.80	<1.00	<0.50	<0.30	<0.20	NA	NA
	3/10/11	<1.00	<4.00	<0.50	<1.00	<0.50	<0.50	<0.50	NA	NA
	7/22/11	<0.40	<0.40	<0.80	<1.00	<0.50	<0.30	<0.20	NA	NA
	10/27/11	<0.40	<0.40	<0.80	<1.00	<0.50	<0.30	<0.20	NA	NA
	1/26/12	<0.40	<0.40	<0.80	<1.00	<0.50	<0.30	<0.20	NA	NA
Preventive Action 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; NA = Not analyzed; - = Data not available; J = Estimated concentration below laboratory quantitation level;
S2 = Compound is a common lab solvent and contaminant; NS = Not standard; *Italics* indicates concentration has exceeded the Preventative Action Limit; **Bold** indicates concentration has exceeded the Enforcement Standard.



SOURCE: USGS MOOSE JUNCTION 7.5 MIN. QUADRANGLE

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

FIGURE 1
SITE LOCATION MAP

F:\jobs\2481-2500\2490 - Moose Junction Lounge\CAD\AMR\2490Fig.1.dwg 2/2/2012 4:40:02 PM CST

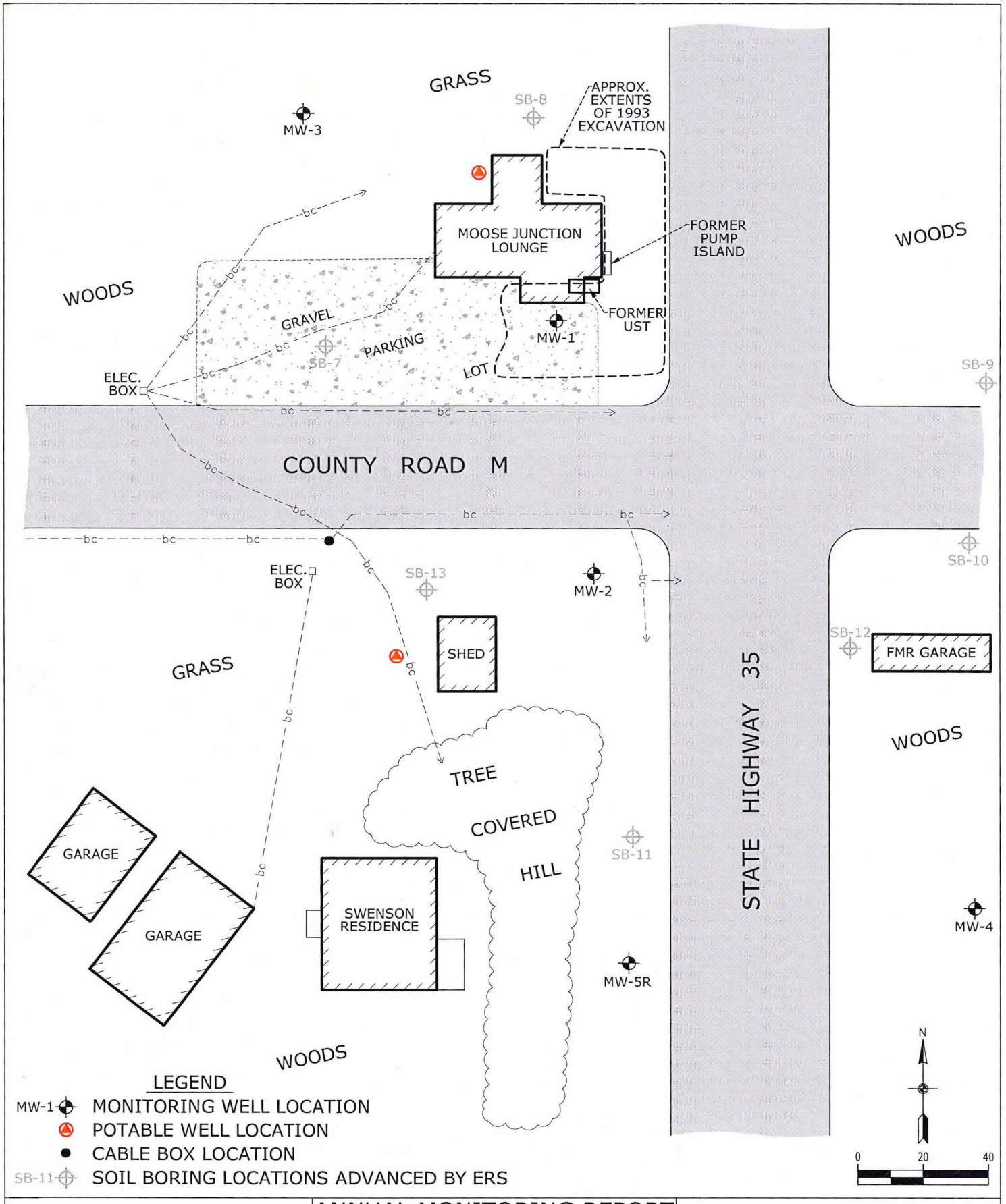

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FIGURE 2a
SITE PLAN VIEW

F:\jobs\2481-2500\2490 - Moose Junction Lounge\CAD\AMR\2490Fig.2.dwg 2/3/2012 12:18:02 PM CST

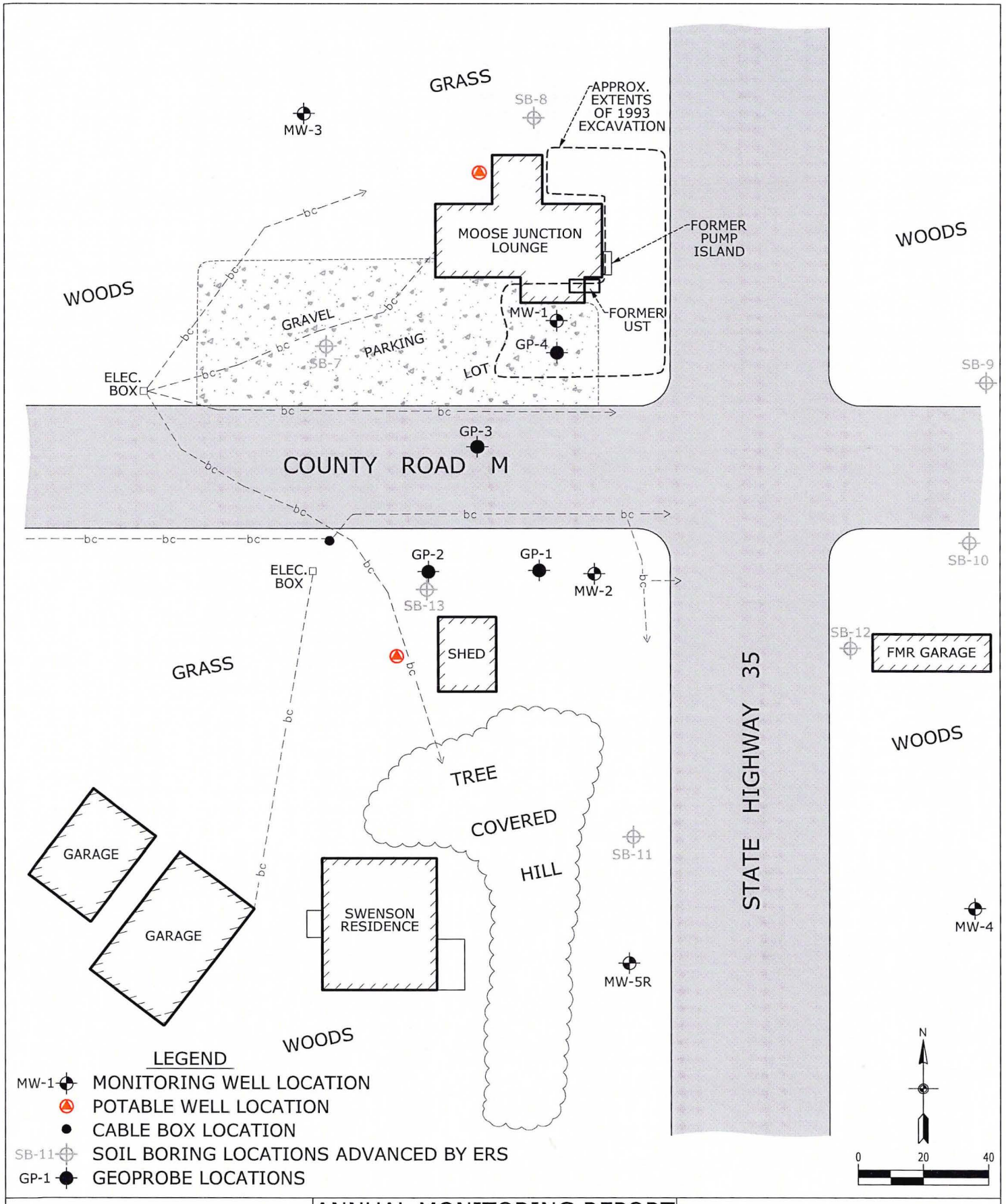

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FIGURE 2b
POST-INJECTION CONFIRMATORY SOIL BORING LOCATIONS

F:\jobs\2481-2500\2490 - Moose Junction Lounge\CAD\AMR\2490Fig.2.dwg 2/3/2012 12:18:02 PM CST

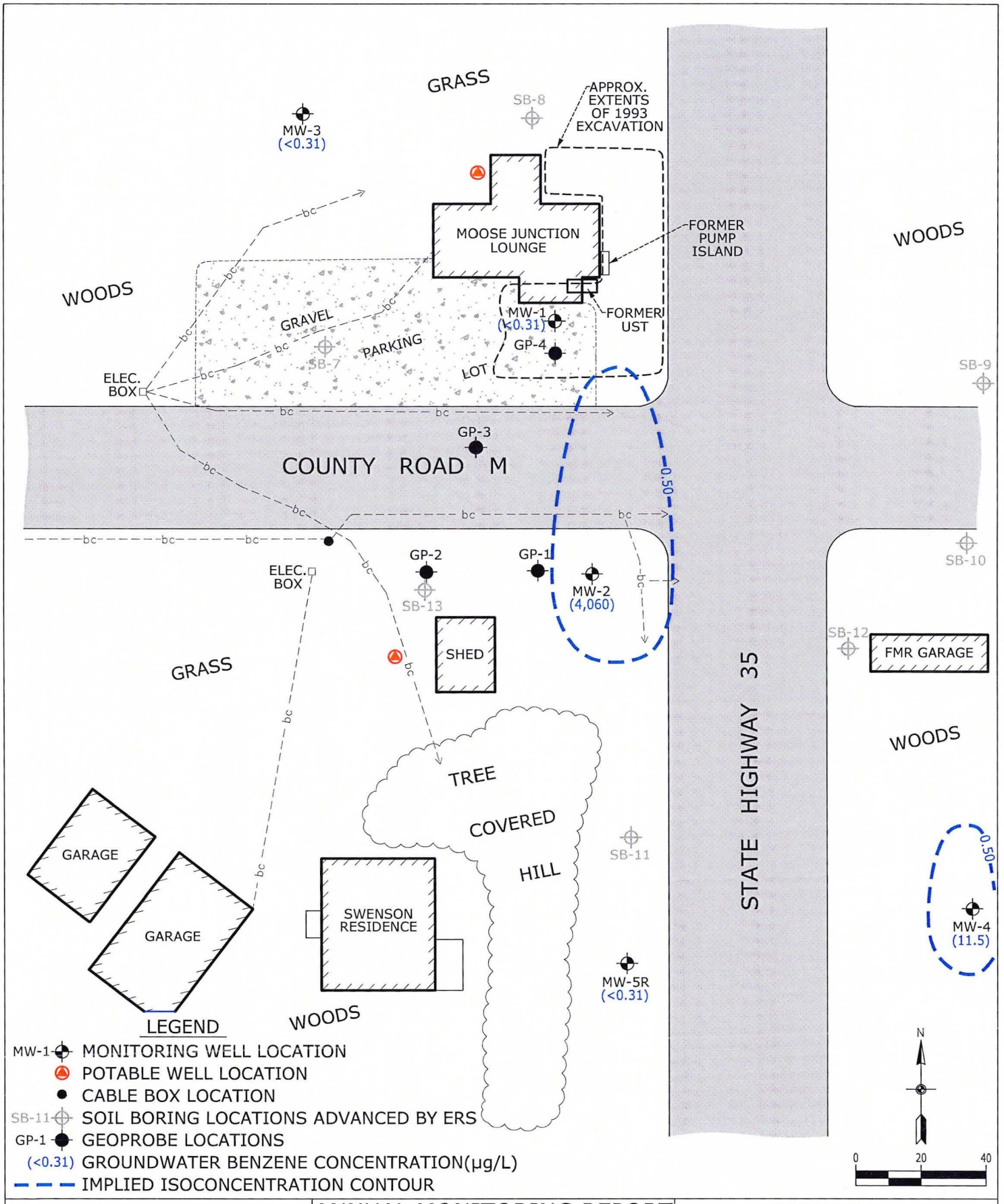

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FIGURE 3a
GROUNDWATER BENZENE ISOCONCENTRATION MAP
07/13/10

F:\jobs\2481-2500\2490 - Moose Junction Lounge\CAD\AMR\2490Fig.2-4e.dwg 2/23/2012 11:22:34 AM CST

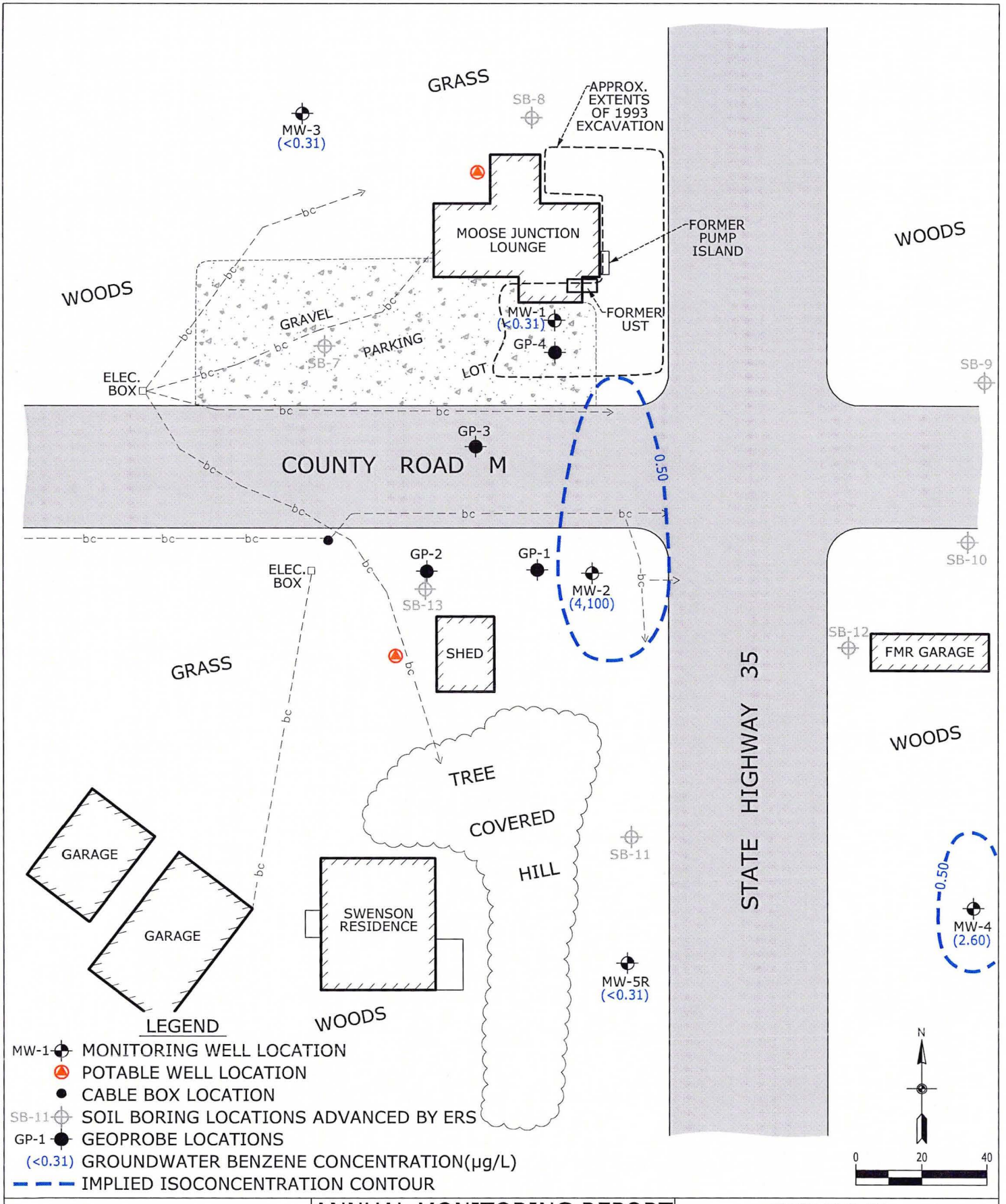

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FIGURE 3b
GROUNDWATER BENZENE ISOCONCENTRATION MAP
11/23/10

F:\jobs\2481-2500\2490 - Moose Junction Lounge\CAD\AMR\2490Fig.2-4e.dwg 2/23/2012 11:22:34 AM CST

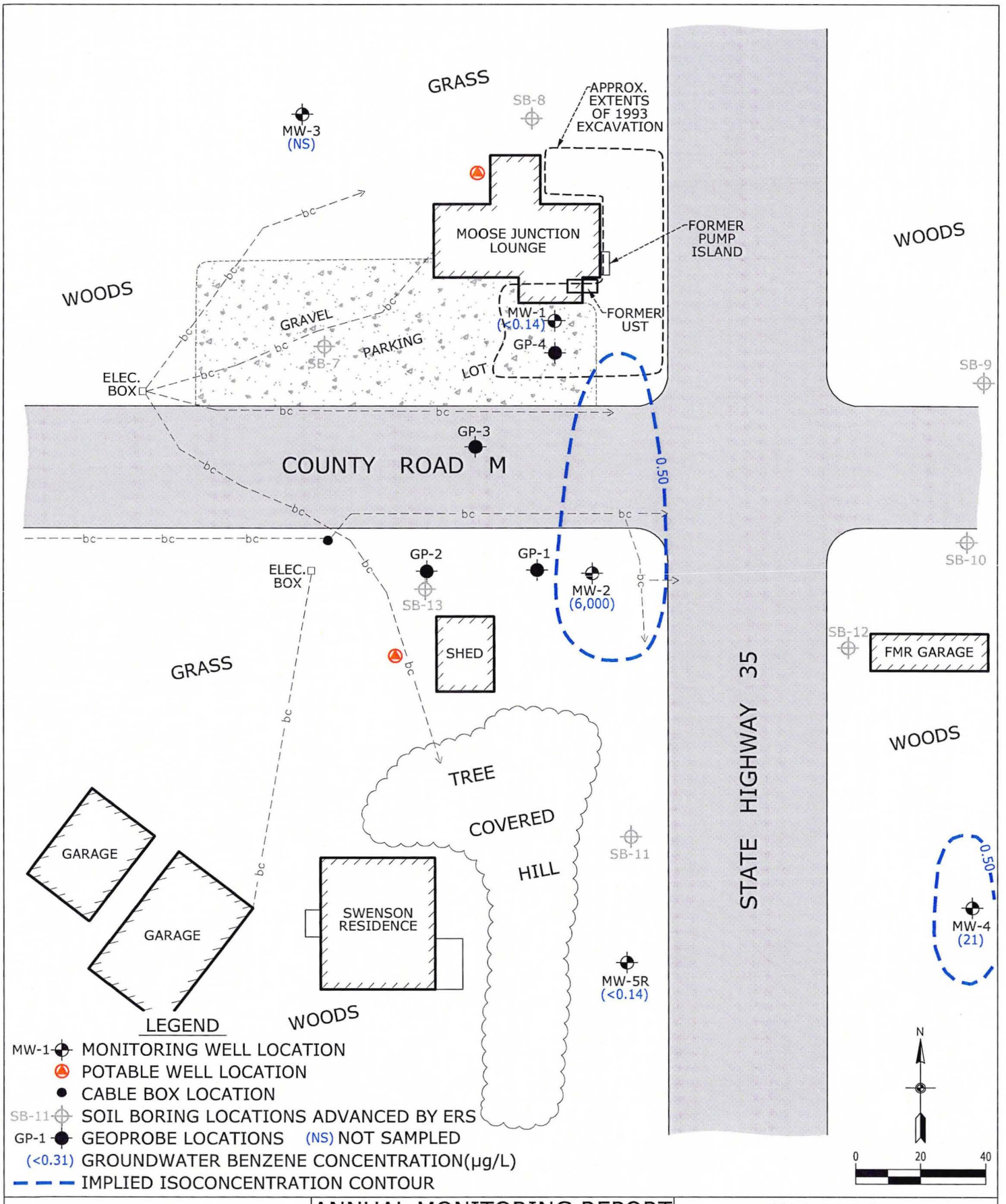

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FIGURE 3c
GROUNDWATER BENZENE ISOCONCENTRATION MAP
03/04/11

F:\jobs\2481-2500\2490 - Moose Junction Lounge\CAD\AMR\2490Fig.2-4e.dwg 2/23/2012 11:22:34 AM CST

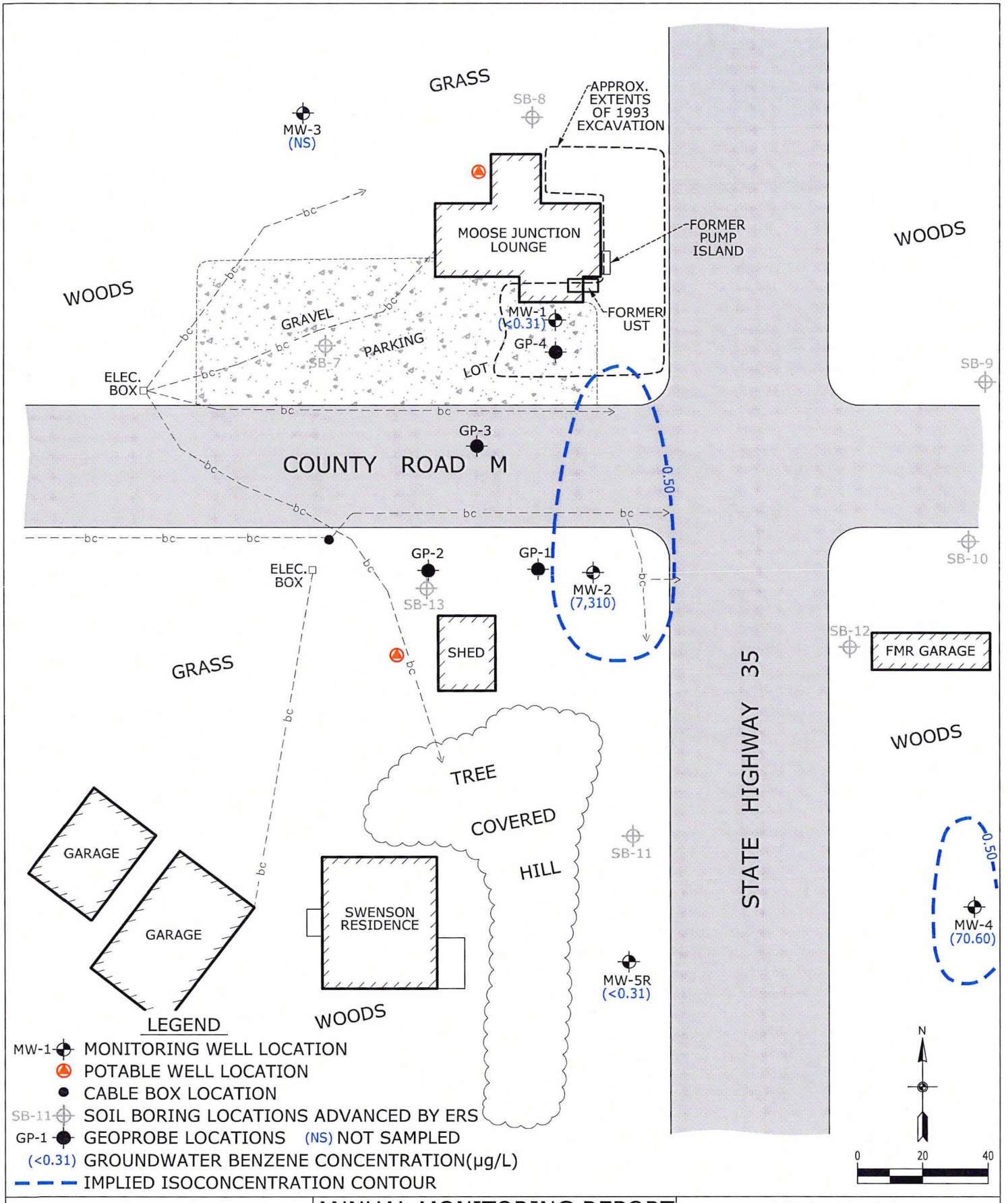

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FIGURE 3d
GROUNDWATER BENZENE ISOCONCENTRATION MAP
07/22/11

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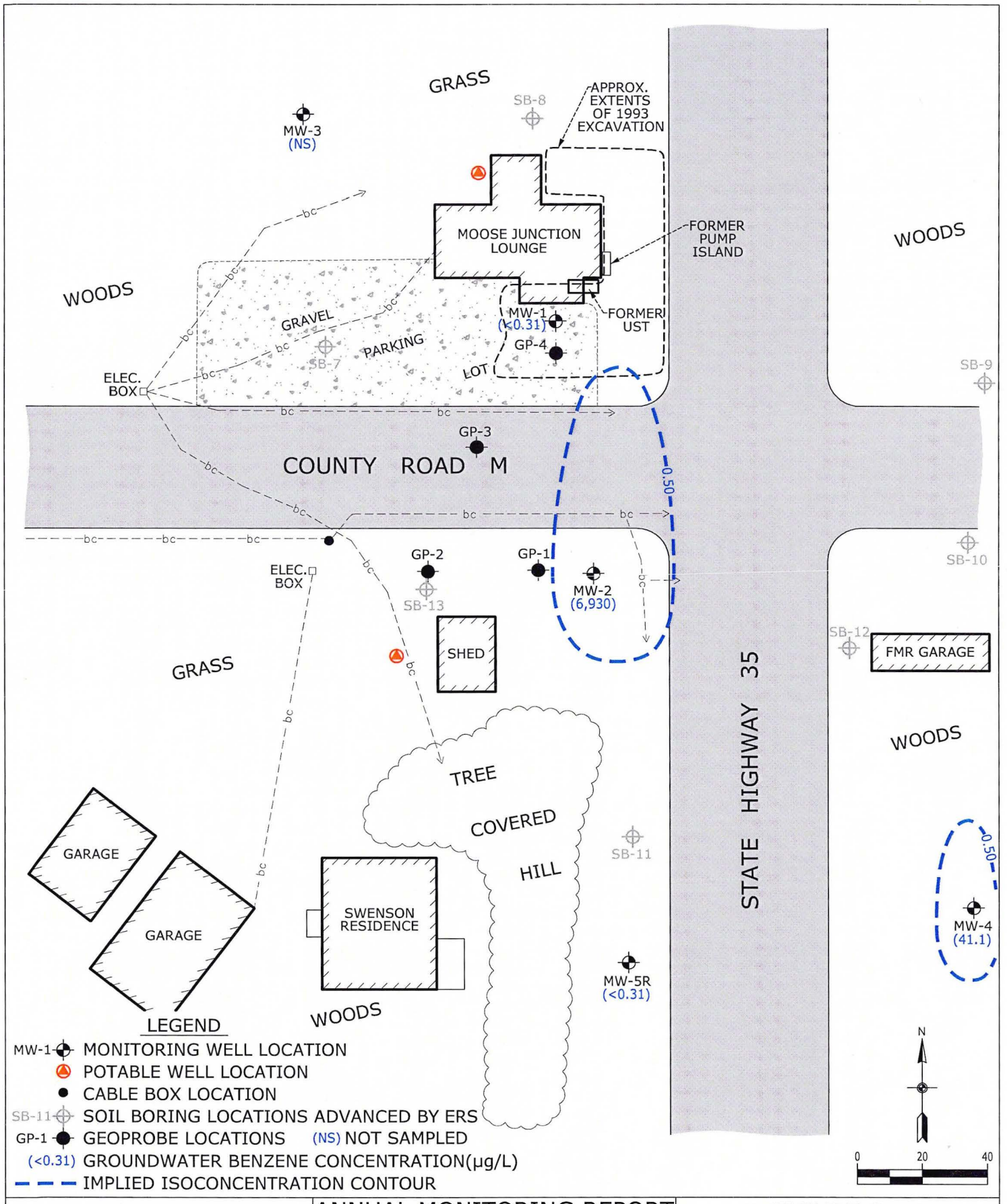

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FIGURE 3e
GROUNDWATER BENZENE ISOCONCENTRATION MAP
10/27/11

F:\jobs\2481-2500\2490 - Moose Junction Lounge\CAD\AMR\2490Fig.2-4e.dwg 2/23/2012 11:22:34 AM CST

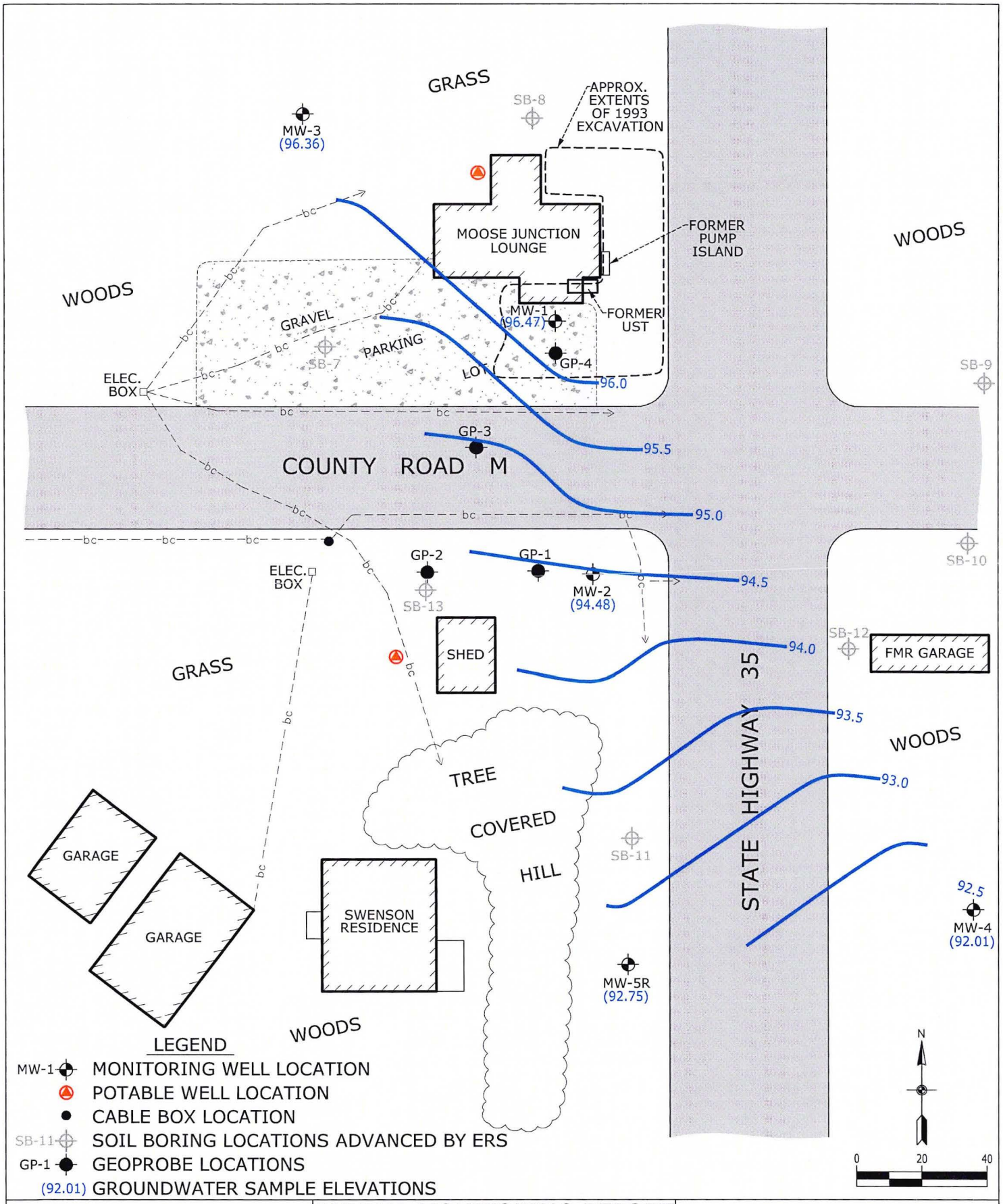

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FIGURE 4a
POTENTIOMETRIC SURFACE MAP
07/13/10

F:\jobs\2481-2500\2490 - Moose Junction Lounge\CAD\AMR\2490Fig.2.dwg 2/3/2012 12:18:02 PM CST

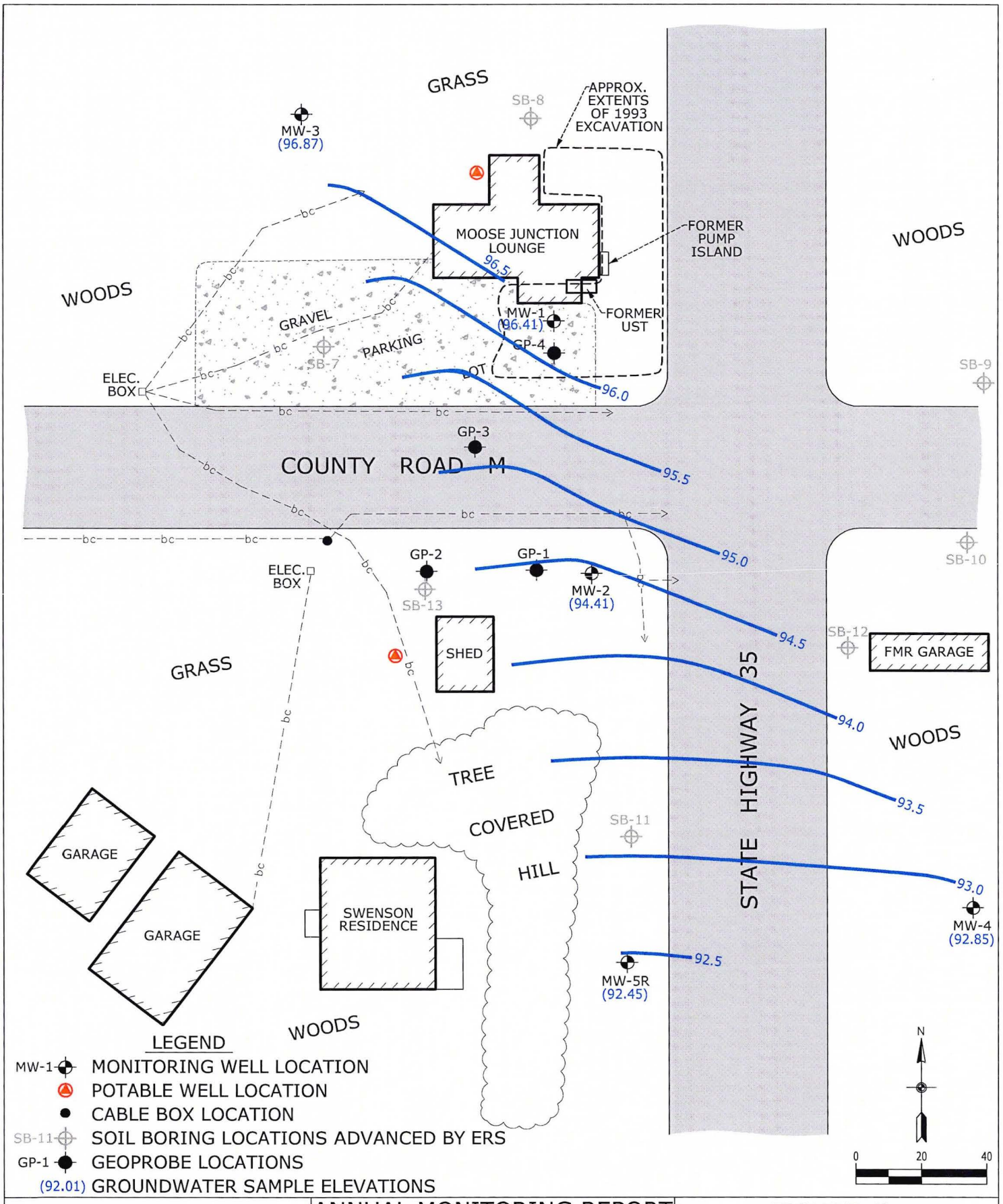

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FIGURE 4b
POTENTIOMETRIC SURFACE MAP
11/23/10

F:\jobs\2481-2500\2490 - Moose Junction Lounge\CAD\AMR\2490Fig.2.dwg 2/3/2012 12:18:02 PM CST

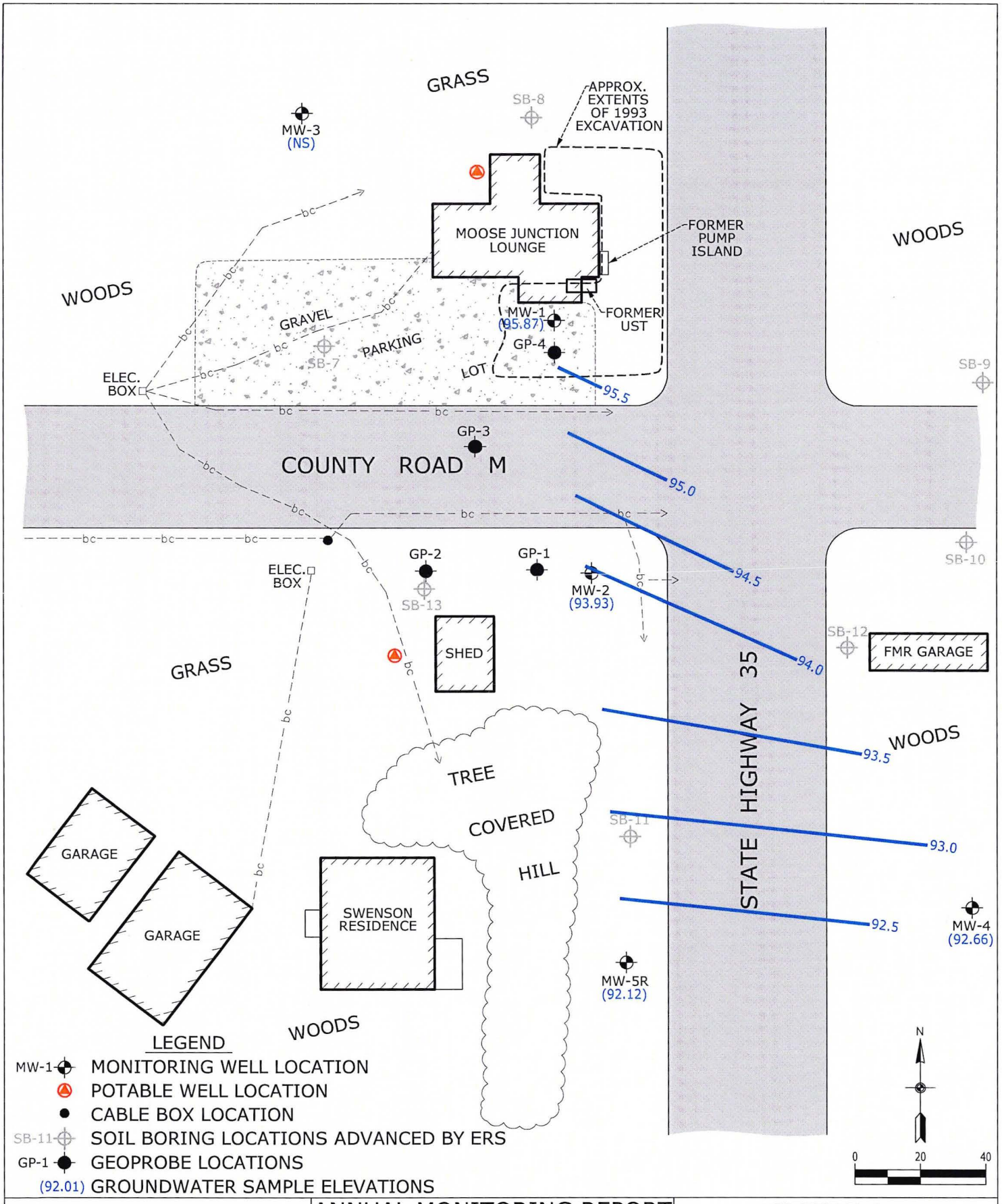

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FIGURE 4c
POTENTIOMETRIC SURFACE MAP
03/04/11

F:\jobs\2481-2500\2490 - Moose Junction Lounge\CAD\AMR\2490Fig.2-4e.dwg 2/13/2012 2:20:25 PM CST

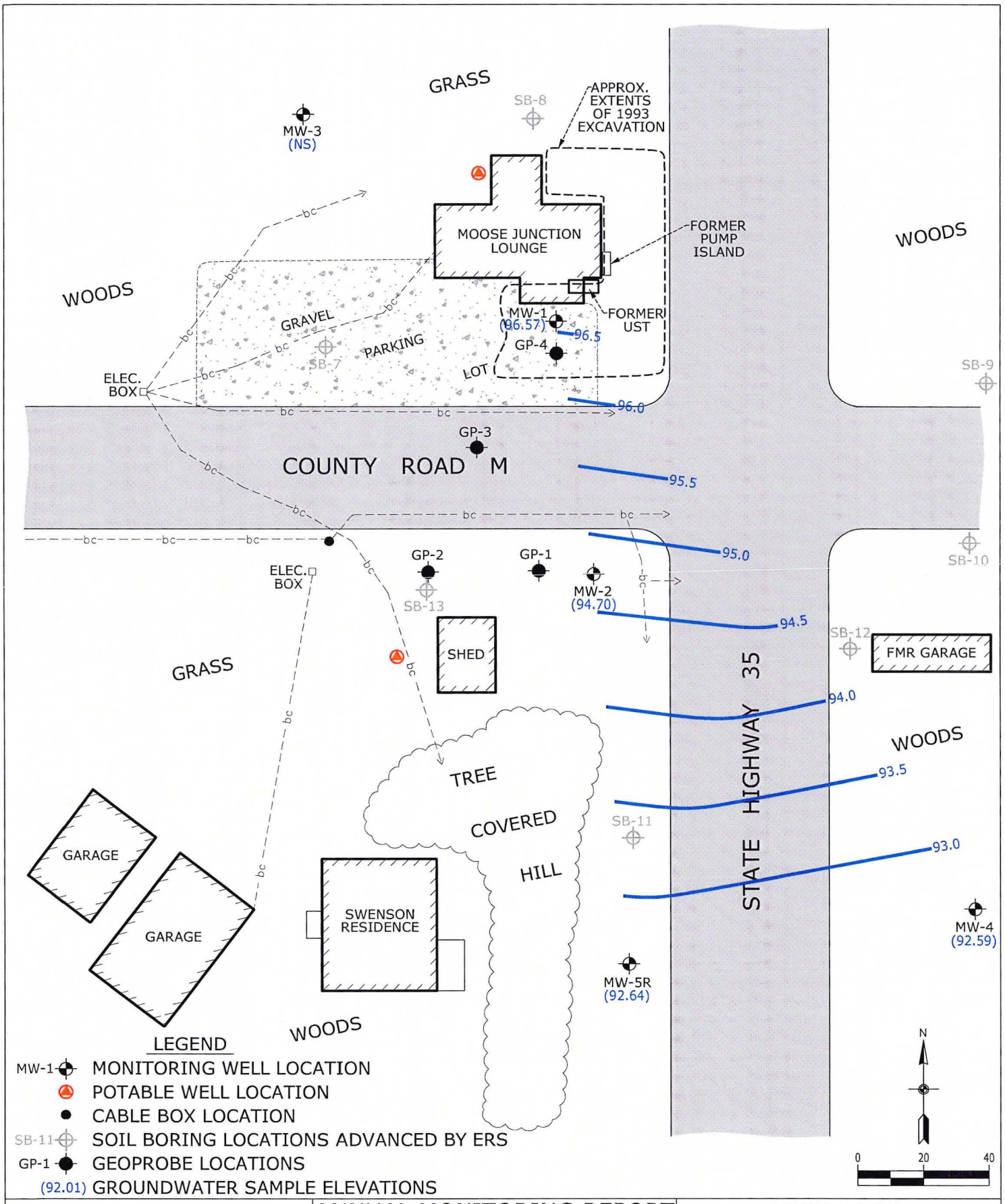

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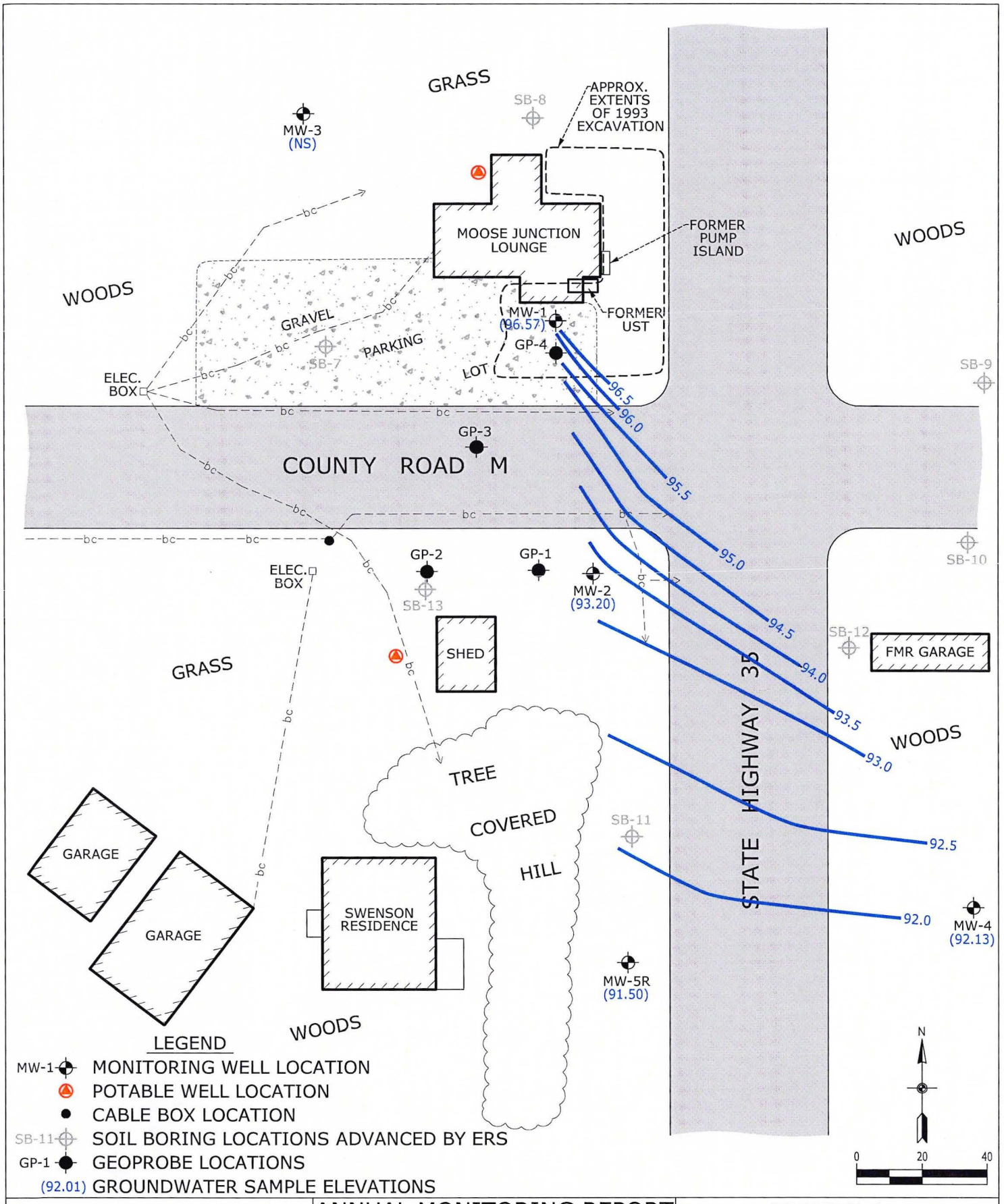
FIGURE 4d
POTENTIOMETRIC SURFACE MAP
07/22/11

F:\jobs\2481-2500\2490 - Moose Junction Lounge\CAD\AMR\2490Fig.2.dwg 2/3/2012 12:18:02 PM CST



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Carlson Project No.: 2490-00

FIGURE 4e
POTENTIOMETRIC SURFACE MAP
10/27/11

F:\jobs\2481-2500\2490 - Moose Junction Lounge\CAD\AMR\2490Fig.2-4e.dwg 2/13/2012 2:20:25 PM CST

SIEMENS

Company Name	Project
Carlson Professional Services, Inc.	Moose Junction Lounge (2490-00)
Report Mailing Address	**Contact Name, Phone, Fax, Email**
1011 East Central Entrance, Suite 100 Duluth, MN 55811	Bill Jahn bjahne carlsonpsi.com
Invoice Address	**Purchase Order #** / **Invoice Contact and Phone No.**
—	— / —

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

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

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

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

WO No. 1007240

Lab Use Only

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

Sample Receiving Comments:
Rec'd w/ custody seal intact
3.0

Lab Use Only	Sample Date	Sample Time	No. of Containers Comp	No. of Containers Grab	Sample ID	Analyses Requested: PVOC	VOCs	Comments
-1	7/13/10	11:00	3	—	MW-1	X		6 vials HCl
-2		12:00	3	—	MW-2	X		
-3		10:45	3	—	MW-3	X		
-4		12:30	3	—	MW-4	X		
-5		1:15	3	—	MW-5R	X		
-6		—	2	—	Trip Blank	X		2 vials HCl 5-6-10 TB157
-7	↓	10:00	6	—	Swenson Potable		X	6 vials HCl
-8			2		TB			2 vials HCl 5-6-10 TB157

Chain of Custody Record

Relinquished By:	Date	Time	Received By:
William H. Jahn	7/14/10	10:00	
	7-15-10	1620	

SIEMENS

July 26, 2010

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

Attn: Bill Jahn

REPORT NO.: 1007240 **PROJECT NO.: 2490-00 Moose Junction Lounge**

Please find enclosed the analytical report, including the Sample Summary, Sample Narrative and Chain of Custody for your sample set received July 15, 2010.

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

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

Sincerely,

Siemens Water Technologies

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 Water Technologies Quality Assurance Program. Exceptions, if any, are discussed in the sample narrative. Samples will be retained for 30 days from the date of this report, then disposed in an appropriate manner. Siemens Water Technologies Corp. reserves the right to return samples identified as hazardous. Release of this Final Report is authorized as verified by the following signature. The contents of this report apply to the sample(s) analyzed. No duplication of this report is allowed except in its entirety.

Reviewed by: James R. Salfrank

Certifications:
Wisconsin 737053130
Minnesota 055-999-302
Illinois 100317

SIEMENS

SAMPLE SUMMARY

Lab Id	Client Sample Id	Date/Time	Matrix
1007240-01	MW-1	07/13/10 11:00	Ground Water
1007240-02	MW-2	07/13/10 12:00	Ground Water
1007240-03	MW-3	07/13/10 10:45	Ground Water
1007240-04	MW-4	07/13/10 12:30	Ground Water
1007240-05	MW-5R	07/13/10 13:15	Ground Water
1007240-06	Trip Blank	07/13/10 00:00	Water
1007240-07	Swenson Potable	07/13/10 10:00	Drinking Water
1007240-08	Trip Blank	07/13/10 00:00	Water

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

PROJECT NO. : 2490-00 Moose Junction Lounge
REPORT NO. : 1007240
DATE REC'D: 07/15/10 16:20
REPORT DATE : 07/26/10 11:40
PREPARED BY : BMS

Attn: Bill Jahn

Sample ID: **MW-1** Matrix: **Ground Water** Sample Date/Time: **07/13/10 11:00** Lab No. : **1007240-01**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	ug/L	0.400	2.00	1		07/19/10	ALZ
1,3,5-Trimethylbenzene	ND	ug/L	0.440	2.00	1		07/19/10	ALZ
Benzene	ND	ug/L	0.310	2.00	1		07/19/10	ALZ
Ethylbenzene	ND	ug/L	0.500	2.00	1		07/19/10	ALZ
m&p-Xylene	ND	ug/L	0.620	2.10	1		07/19/10	ALZ
Methyl Tert Butyl Ether	ND	ug/L	0.300	2.00	1		07/19/10	ALZ
o-Xylene	ND	ug/L	0.770	2.00	1		07/19/10	ALZ
Toluene	ND	ug/L	0.370	2.00	1		07/19/10	ALZ

Sample ID: **MW-2** Matrix: **Ground Water** Sample Date/Time: **07/13/10 12:00** Lab No. : **1007240-02**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	1360	ug/L	4.00	20.0	10		07/20/10	ALZ
1,3,5-Trimethylbenzene	425	ug/L	4.40	20.0	10		07/20/10	ALZ
Benzene	4060	ug/L	31.0	200	100		07/23/10	ALZ
Ethylbenzene	866	ug/L	5.00	20.0	10		07/20/10	ALZ
m&p-Xylene	4790	ug/L	62.0	210	100		07/23/10	ALZ
Methyl Tert Butyl Ether	50.1	ug/L	3.00	20.0	10		07/20/10	ALZ
o-Xylene	2450	ug/L	77.0	200	100		07/23/10	ALZ
Toluene	1410	ug/L	3.70	20.0	10		07/20/10	ALZ

SIEMENS

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

Attn: Bill Jahn

PROJECT NO. : 2490-00 Moose Junction Lounge
REPORT NO. : 1007240
DATE REC'D: 07/15/10 16:20
REPORT DATE : 07/26/10 11:40
PREPARED BY : BMS

Sample ID: **MW-3** Matrix: **Ground Water** Sample Date/Time: **07/13/10 10:45** Lab No. : **1007240-03**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	ug/L	0.400	2.00	1		07/20/10	ALZ
1,3,5-Trimethylbenzene	ND	ug/L	0.440	2.00	1		07/20/10	ALZ
Benzene	ND	ug/L	0.310	2.00	1		07/20/10	ALZ
Ethylbenzene	ND	ug/L	0.500	2.00	1		07/20/10	ALZ
m&p-Xylene	ND	ug/L	0.620	2.10	1		07/20/10	ALZ
Methyl Tert Butyl Ether	ND	ug/L	0.300	2.00	1		07/20/10	ALZ
o-Xylene	ND	ug/L	0.770	2.00	1		07/20/10	ALZ
Toluene	ND	ug/L	0.370	2.00	1		07/20/10	ALZ

Sample ID: **MW-4** Matrix: **Ground Water** Sample Date/Time: **07/13/10 12:30** Lab No. : **1007240-04**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	ug/L	0.400	2.00	1		07/20/10	ALZ
1,3,5-Trimethylbenzene	ND	ug/L	0.440	2.00	1		07/20/10	ALZ
Benzene	11.5	ug/L	0.310	2.00	1		07/20/10	ALZ
Ethylbenzene	ND	ug/L	0.500	2.00	1		07/20/10	ALZ
m&p-Xylene	ND	ug/L	0.620	2.10	1		07/20/10	ALZ
Methyl Tert Butyl Ether	ND	ug/L	0.300	2.00	1		07/20/10	ALZ
o-Xylene	ND	ug/L	0.770	2.00	1		07/20/10	ALZ
Toluene	ND	ug/L	0.370	2.00	1		07/20/10	ALZ

SIEMENS

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

PROJECT NO. : 2490-00 Moose Junction Lounge
REPORT NO. : 1007240
DATE REC'D: 07/15/10 16:20
REPORT DATE : 07/26/10 11:40
PREPARED BY : BMS

Attn: Bill Jahn

Sample ID: **MW-5R** Matrix: **Ground Water** Sample Date/Time: **07/13/10 13:15** Lab No. : **1007240-05**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	ug/L	0.400	2.00	1		07/20/10	ALZ
1,3,5-Trimethylbenzene	ND	ug/L	0.440	2.00	1		07/20/10	ALZ
Benzene	ND	ug/L	0.310	2.00	1		07/20/10	ALZ
Ethylbenzene	ND	ug/L	0.500	2.00	1		07/20/10	ALZ
m&p-Xylene	ND	ug/L	0.620	2.10	1		07/20/10	ALZ
Methyl Tert Butyl Ether	ND	ug/L	0.300	2.00	1		07/20/10	ALZ
o-Xylene	ND	ug/L	0.770	2.00	1		07/20/10	ALZ
Toluene	ND	ug/L	0.370	2.00	1		07/20/10	ALZ

Sample ID: **Trip Blank** Matrix: **Water** Sample Date/Time: **07/13/10 0:00** Lab No. : **1007240-06**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	ug/L	0.400	2.00	1		07/20/10	ALZ
1,3,5-Trimethylbenzene	ND	ug/L	0.440	2.00	1		07/20/10	ALZ
Benzene	ND	ug/L	0.310	2.00	1		07/20/10	ALZ
Ethylbenzene	ND	ug/L	0.500	2.00	1		07/20/10	ALZ
m&p-Xylene	ND	ug/L	0.620	2.10	1		07/20/10	ALZ
Methyl Tert Butyl Ether	ND	ug/L	0.300	2.00	1		07/20/10	ALZ
o-Xylene	ND	ug/L	0.770	2.00	1		07/20/10	ALZ
Toluene	ND	ug/L	0.370	2.00	1		07/20/10	ALZ

SIEMENS

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

PROJECT NO. : 2490-00 Moose Junction Lounge
REPORT NO. : 1007240
DATE REC'D: 07/15/10 16:20
REPORT DATE : 07/26/10 11:40
PREPARED BY : BMS

Attn: Bill Jahn

Sample ID: **Swenson Potable** Matrix: **Drinking Water** Sample Date/Time: **07/13/10 10:00** Lab No. : **1007240-07**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 524.2								
1,1,1,2-Tetrachloroethane	ND	ug/L	0.30	1.00	1		07/16/10	MPM
1,1,1-Trichloroethane	ND	ug/L	0.50	1.70	1		07/16/10	MPM
1,1,2,2-Tetrachloroethane	ND	ug/L	0.40	1.30	1		07/16/10	MPM
1,1,2-Trichloroethane	ND	ug/L	0.40	1.30	1		07/16/10	MPM
1,1-Dichloroethane	ND	ug/L	0.40	1.30	1		07/16/10	MPM
1,1-Dichloroethylene	ND	ug/L	0.40	1.30	1		07/16/10	MPM
1,1-Dichloropropylene	ND	ug/L	0.80	2.70	1		07/16/10	MPM
1,2,3-Trichloropropane	ND	ug/L	1.00	3.30	1		07/16/10	MPM
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1.70	1		07/16/10	MPM
1,2,4-Trimethylbenzene	0.99	ug/L	0.20	0.67	1		07/16/10	MPM
1,2-Dichlorobenzene	ND	ug/L	0.80	2.70	1		07/16/10	MPM
1,2-Dichloroethane	0.36	ug/L	0.30	1.00	1	J	07/16/10	MPM
1,2-Dichloropropane	ND	ug/L	0.40	1.30	1		07/16/10	MPM
1,3,5-Trimethylbenzene	0.99	ug/L	0.20	0.67	1		07/16/10	MPM
1,3-Dichlorobenzene	ND	ug/L	0.20	0.67	1		07/16/10	MPM
1,3-Dichloropropane	ND	ug/L	0.20	0.67	1		07/16/10	MPM
1,4-Dichlorobenzene	ND	ug/L	0.80	2.70	1		07/16/10	MPM
2,2-Dichloropropane	ND	ug/L	1.00	3.30	1		07/16/10	MPM
2-Chlorotoluene	ND	ug/L	0.30	1.00	1		07/16/10	MPM
4-Chlorotoluene	ND	ug/L	0.30	1.00	1		07/16/10	MPM
4-Isopropyltoluene	ND	ug/L	0.40	1.33	1		07/16/10	MPM
Benzene	5.29	ug/L	0.20	0.67	1		07/16/10	MPM
Bromobenzene	ND	ug/L	0.30	1.00	1		07/16/10	MPM
Bromodichloromethane	ND	ug/L	0.40	1.30	1		07/16/10	MPM
Bromoform	ND	ug/L	0.20	0.67	1		07/16/10	MPM
Bromomethane	ND	ug/L	1.00	3.30	1		07/16/10	MPM
Carbon Tetrachloride	ND	ug/L	0.30	1.00	1		07/16/10	MPM
Chlorobenzene	ND	ug/L	0.20	0.67	1		07/16/10	MPM
Chloroethane	ND	ug/L	0.70	2.30	1		07/16/10	MPM
Chloroform	ND	ug/L	0.20	0.67	1		07/16/10	MPM
Chloromethane	ND	ug/L	0.40	1.30	1		07/16/10	MPM
cis-1,2-Dichloroethylene	ND	ug/L	0.40	1.30	1		07/16/10	MPM
cis-1,3-Dichloropropylene	ND	ug/L	0.20	0.67	1		07/16/10	MPM
Dibromochloromethane	ND	ug/L	0.40	1.30	1		07/16/10	MPM
Dibromomethane	ND	ug/L	0.40	1.30	1		07/16/10	MPM
Dichlorodifluoromethane	ND	ug/L	0.30	1.00	1		07/16/10	MPM
Ethylbenzene	3.25	ug/L	0.20	0.67	1		07/16/10	MPM
Hexachlorobutadiene	ND	ug/L	1.00	3.30	1		07/16/10	MPM
Isopropylbenzene (Cumene)	ND	ug/L	0.20	0.67	1		07/16/10	MPM
Methylene Chloride	ND	ug/L	0.40	1.30	1		07/16/10	MPM
Methyl-tert-Butyl Ether	ND	ug/L	0.50	1.70	1		07/16/10	MPM

SIEMENS

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

PROJECT NO. : 2490-00 Moose Junction Lounge
REPORT NO. : 1007240
DATE REC'D: 07/15/10 16:20
REPORT DATE : 07/26/10 11:40
PREPARED BY : BMS

Attn: Bill Jahn

Sample ID: **Swenson Potable** Matrix: **Drinking Water** Sample Date/Time: **07/13/10 10:00** Lab No. : **1007240-07**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 524.2 Continued								
Naphthalene	ND	ug/L	1.00	3.30	1		07/16/10	MPM
Styrene	ND	ug/L	0.10	0.50	1		07/16/10	MPM
Tetrachloroethene	ND	ug/L	0.30	1.00	1		07/16/10	MPM
Toluene	ND	ug/L	0.40	1.30	1		07/16/10	MPM
trans-1,2-Dichloroethylene	ND	ug/L	0.50	1.70	1		07/16/10	MPM
trans-1,3-Dichloropropylene	ND	ug/L	0.40	1.30	1		07/16/10	MPM
Trichloroethene	ND	ug/L	0.40	1.30	1		07/16/10	MPM
Vinyl chloride	ND	ug/L	0.20	0.67	1		07/16/10	MPM
Xylenes, (Total)	3.05	ug/L	1.00	1.00	1		07/16/10	MPM

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

PROJECT NO. : 2490-00 Moose Junction Lounge
REPORT NO. : 1007240
DATE REC'D: 07/15/10 16:20
REPORT DATE : 07/26/10 11:40
PREPARED BY : BMS

Attn: Bill Jahn

Sample ID: **Trip Blank** Matrix: **Water** Sample Date/Time: **07/13/10 0:00** Lab No. : **1007240-08**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 524.2								
1,1,1,2-Tetrachloroethane	ND	ug/L	0.30	1.00	1		07/16/10	MPM
1,1,1-Trichloroethane	ND	ug/L	0.50	1.70	1		07/16/10	MPM
1,1,2,2-Tetrachloroethane	ND	ug/L	0.40	1.30	1		07/16/10	MPM
1,1,2-Trichloroethane	ND	ug/L	0.40	1.30	1		07/16/10	MPM
1,1-Dichloroethane	ND	ug/L	0.40	1.30	1		07/16/10	MPM
1,1-Dichloroethylene	ND	ug/L	0.40	1.30	1		07/16/10	MPM
1,1-Dichloropropylene	ND	ug/L	0.80	2.70	1		07/16/10	MPM
1,2,3-Trichloropropane	ND	ug/L	1.00	3.30	1		07/16/10	MPM
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1.70	1		07/16/10	MPM
1,2,4-Trimethylbenzene	ND	ug/L	0.20	0.67	1		07/16/10	MPM
1,2-Dichlorobenzene	ND	ug/L	0.80	2.70	1		07/16/10	MPM
1,2-Dichloroethane	ND	ug/L	0.30	1.00	1		07/16/10	MPM
1,2-Dichloropropane	ND	ug/L	0.40	1.30	1		07/16/10	MPM
1,3,5-Trimethylbenzene	ND	ug/L	0.20	0.67	1		07/16/10	MPM
1,3-Dichlorobenzene	ND	ug/L	0.20	0.67	1		07/16/10	MPM
1,3-Dichloropropane	ND	ug/L	0.20	0.67	1		07/16/10	MPM
1,4-Dichlorobenzene	ND	ug/L	0.80	2.70	1		07/16/10	MPM
2,2-Dichloropropane	ND	ug/L	1.00	3.30	1		07/16/10	MPM
2-Chlorotoluene	ND	ug/L	0.30	1.00	1		07/16/10	MPM
4-Chlorotoluene	ND	ug/L	0.30	1.00	1		07/16/10	MPM
4-Isopropyltoluene	ND	ug/L	0.40	1.33	1		07/16/10	MPM
Benzene	ND	ug/L	0.20	0.67	1		07/16/10	MPM
Bromobenzene	ND	ug/L	0.30	1.00	1		07/16/10	MPM
Bromodichloromethane	ND	ug/L	0.40	1.30	1		07/16/10	MPM
Bromoform	ND	ug/L	0.20	0.67	1		07/16/10	MPM
Bromomethane	ND	ug/L	1.00	3.30	1		07/16/10	MPM
Carbon Tetrachloride	ND	ug/L	0.30	1.00	1		07/16/10	MPM
Chlorobenzene	ND	ug/L	0.20	0.67	1		07/16/10	MPM
Chloroethane	ND	ug/L	0.70	2.30	1		07/16/10	MPM
Chloroform	ND	ug/L	0.20	0.67	1		07/16/10	MPM
Chloromethane	ND	ug/L	0.40	1.30	1		07/16/10	MPM
cis-1,2-Dichloroethylene	ND	ug/L	0.40	1.30	1		07/16/10	MPM
cis-1,3-Dichloropropylene	ND	ug/L	0.20	0.67	1		07/16/10	MPM
Dibromochloromethane	ND	ug/L	0.40	1.30	1		07/16/10	MPM
Dibromomethane	ND	ug/L	0.40	1.30	1		07/16/10	MPM
Dichlorodifluoromethane	ND	ug/L	0.30	1.00	1		07/16/10	MPM
Ethylbenzene	ND	ug/L	0.20	0.67	1		07/16/10	MPM
Hexachlorobutadiene	ND	ug/L	1.00	3.30	1		07/16/10	MPM
Isopropylbenzene (Cumene)	ND	ug/L	0.20	0.67	1		07/16/10	MPM
Methylene Chloride	ND	ug/L	0.40	1.30	1		07/16/10	MPM
Methyl-tert-Butyl Ether	ND	ug/L	0.50	1.70	1		07/16/10	MPM

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

PROJECT NO. : 2490-00 Moose Junction Lounge
REPORT NO. : 1007240
DATE REC'D: 07/15/10 16:20
REPORT DATE : 07/26/10 11:40
PREPARED BY : BMS

Attn: Bill Jahn

Sample ID: **Trip Blank** Matrix: **Water** Sample Date/Time: **07/13/10 0:00** Lab No. : **1007240-08**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 524.2 Continued								
Naphthalene	ND	ug/L	1.00	3.30	1		07/16/10	MPM
Styrene	ND	ug/L	0.10	0.50	1		07/16/10	MPM
Tetrachloroethene	ND	ug/L	0.30	1.00	1		07/16/10	MPM
Toluene	ND	ug/L	0.40	1.30	1		07/16/10	MPM
trans-1,2-Dichloroethylene	ND	ug/L	0.50	1.70	1		07/16/10	MPM
trans-1,3-Dichloropropylene	ND	ug/L	0.40	1.30	1		07/16/10	MPM
Trichloroethene	ND	ug/L	0.40	1.30	1		07/16/10	MPM
Vinyl chloride	ND	ug/L	0.20	0.67	1		07/16/10	MPM
Xylenes, (Total)	ND	ug/L	1.00	1.00	1		07/16/10	MPM

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Qualifier Descriptions

J	Estimated concentration below laboratory quantitation level.

Definitions

LOD = Limit of Detection (Dilution Corrected)
LOQ = Limit of Quanitation (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 8021methanol and WI DNR methylene chloride preserved soils.

ug/l = Micrograms per Liter = parts per billion (ppb)
ug/kg = Micrograms per kilogram = parts per billion (ppb)
mg/l = Milligrams per liter = parts per million (ppm)
mg/kg = Milligrams per kilogram = parts per million (ppm)
NOT PRES = Not Present
ppth = Parts per thousand
* = Result outside established limits.
mg/m3 = Milligrams per meter cubed
ng/L = Nanograms per Liter = Parts per trillion(ppt)
> = Greater Than

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

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Company Name	Project
Carlson Professional Services, Inc.	Moose Junction Lounge (2490-00)
Report Mailing Address	**Contact Name, Phone, Fax, Email**
1011 East Central Entrance, Suite 100 Duluth, MN 55811	Bill Jahn bjahn@carlsonpsi.com
Invoice Address	**Purchase Order #** / **Invoice Contact and Phone No.**
—	

Matrix: Drinking Water (circled) Groundwater Wastewater Soil/Solid Other:_____

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

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

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

WO No. 1008056

Lab Use Only	Sample Date	Sample Time	No. of Containers Comp	No. of Containers Grab	Sample ID	Analyses Requested: VOCs	Comments
-1	8/3/10	10:30	6	—	Swenson Potable	X	6 vials HCl
-2	↓	—	2	—	Trip Blank	X	2 vials HCl 5-6-10 TB157

Lab Use Only

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

Sample Receiving Comments:
Received custody seal intact
1.6

Chain of Custody Record

Relinquished By:	Date	Time	Received By:
William Jahn	8/3/10	2:30	
	8-4-10	1538	Lisa Anderson

SIEMENS

August 09, 2010

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

Attn: Bill Jahn

REPORT NO.: 1008056 **PROJECT NO.: 2490-00 Moose Junction Lounge**

Please find enclosed the analytical report, including the Sample Summary, Sample Narrative and Chain of Custody for your sample set received August 4, 2010.

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

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

Sincerely,

Siemens Water Technologies

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 Water Technologies Quality Assurance Program. Exceptions, if any, are discussed in the sample narrative. Samples will be retained for 30 days from the date of this report, then disposed in an appropriate manner. Siemens Water Technologies Corp. reserves the right to return samples identified as hazardous. Release of this Final Report is authorized as verified by the following signature. The contents of this report apply to the sample(s) analyzed. No duplication of this report is allowed except in its entirety.

Reviewed by: James R. Salfows/

Certifications:
Wisconsin 737053130
Minnesota 055-999-302
Illinois 100317

Siemens Water Technologies Corp.
301 West Military Road
Rothschild, WI 54474
Tel: 800-338-7226
Fax: 715-355-3221
www.siemens.com/enviroscan

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

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SAMPLE SUMMARY

Lab Id	Client Sample Id	Date/Time	Matrix
1008056-01	Swenson Potable	08/03/10 10:30	Drinking Water
1008056-02	Trip Blank	08/03/10 00:00	Water

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

Attn: Bill Jahn

PROJECT NO. : 2490-00 Moose Junction Lounge
REPORT NO. : 1008056
DATE REC'D 08/04/10 15:38
REPORT DATE : 08/09/10 14:37
PREPARED BY : BMS

Sample ID: **Swenson Potable** Matrix: **Drinking Water** Sample Date/Time: **08/03/10 10:30** Lab No. : **1008056-01**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 524.2								
1,1,1,2-Tetrachloroethane	ND	ug/L	0.30	1.00	1		08/06/10	MPM
1,1,1-Trichloroethane	ND	ug/L	0.50	1.70	1		08/06/10	MPM
1,1,2,2-Tetrachloroethane	ND	ug/L	0.40	1.30	1		08/06/10	MPM
1,1,2-Trichloroethane	ND	ug/L	0.40	1.30	1		08/06/10	MPM
1,1-Dichloroethane	ND	ug/L	0.40	1.30	1		08/06/10	MPM
1,1-Dichloroethylene	ND	ug/L	0.40	1.30	1		08/06/10	MPM
1,1-Dichloropropylene	ND	ug/L	0.80	2.70	1		08/06/10	MPM
1,2,3-Trichloropropane	ND	ug/L	1.00	3.30	1		08/06/10	MPM
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1.70	1		08/06/10	MPM
1,2,4-Trimethylbenzene	0.94	ug/L	0.20	0.67	1		08/06/10	MPM
1,2-Dichlorobenzene	ND	ug/L	0.80	2.70	1		08/06/10	MPM
1,2-Dichloroethane	0.34	ug/L	0.30	1.00	1	J	08/06/10	MPM
1,2-Dichloropropane	ND	ug/L	0.40	1.30	1		08/06/10	MPM
1,3,5-Trimethylbenzene	1.22	ug/L	0.20	0.67	1		08/06/10	MPM
1,3-Dichlorobenzene	ND	ug/L	0.20	0.67	1		08/06/10	MPM
1,3-Dichloropropane	ND	ug/L	0.20	0.67	1		08/06/10	MPM
1,4-Dichlorobenzene	ND	ug/L	0.80	2.70	1		08/06/10	MPM
2,2-Dichloropropane	ND	ug/L	1.00	3.30	1		08/06/10	MPM
2-Chlorotoluene	ND	ug/L	0.30	1.00	1		08/06/10	MPM
4-Chlorotoluene	ND	ug/L	0.30	1.00	1		08/06/10	MPM
4-Isopropyltoluene	ND	ug/L	0.40	1.33	1		08/06/10	MPM
Benzene	4.80	ug/L	0.20	0.67	1		08/06/10	MPM
Bromobenzene	ND	ug/L	0.30	1.00	1		08/06/10	MPM
Bromodichloromethane	ND	ug/L	0.40	1.30	1		08/06/10	MPM
Bromoform	ND	ug/L	0.20	0.67	1		08/06/10	MPM
Bromomethane	ND	ug/L	1.00	3.30	1		08/06/10	MPM
Carbon Tetrachloride	ND	ug/L	0.30	1.00	1		08/06/10	MPM
Chlorobenzene	ND	ug/L	0.20	0.67	1		08/06/10	MPM
Chloroethane	ND	ug/L	0.70	2.30	1		08/06/10	MPM
Chloroform	ND	ug/L	0.20	0.67	1		08/06/10	MPM
Chloromethane	ND	ug/L	0.40	1.30	1		08/06/10	MPM
cis-1,2-Dichloroethylene	ND	ug/L	0.40	1.30	1		08/06/10	MPM
cis-1,3-Dichloropropylene	ND	ug/L	0.20	0.67	1		08/06/10	MPM
Dibromochloromethane	ND	ug/L	0.40	1.30	1		08/06/10	MPM
Dibromomethane	ND	ug/L	0.40	1.30	1		08/06/10	MPM
Dichlorodifluoromethane	ND	ug/L	0.30	1.00	1		08/06/10	MPM

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

Attn: Bill Jahn

PROJECT NO. : 2490-00 Moose Junction Lounge
REPORT NO. : 1008056
DATE REC'D 08/04/10 15:38
REPORT DATE : 08/09/10 14:37
PREPARED BY : BMS

Sample ID: **Swenson Potable** Matrix: **Drinking Water** Sample Date/Time: **08/03/10 10:30** Lab No. : **1008056-01**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 524.2 Continued								
Ethylbenzene	2.65	ug/L	0.20	0.67	1		08/06/10	MPM
Hexachlorobutadiene	ND	ug/L	1.00	3.30	1		08/06/10	MPM
Isopropylbenzene (Cumene)	ND	ug/L	0.20	0.67	1		08/06/10	MPM
Methylene Chloride	ND	ug/L	0.40	1.30	1		08/06/10	MPM
Methyl-tert-Butyl Ether	ND	ug/L	0.50	1.70	1		08/06/10	MPM
Naphthalene	ND	ug/L	1.00	3.30	1		08/06/10	MPM
Styrene	ND	ug/L	0.10	0.50	1		08/06/10	MPM
Tetrachloroethene	ND	ug/L	0.30	1.00	1		08/06/10	MPM
Toluene	ND	ug/L	0.40	1.30	1		08/06/10	MPM
trans-1,2-Dichloroethylene	ND	ug/L	0.50	1.70	1		08/06/10	MPM
trans-1,3-Dichloropropylene	ND	ug/L	0.40	1.30	1		08/06/10	MPM
Trichloroethene	ND	ug/L	0.40	1.30	1		08/06/10	MPM
Vinyl chloride	ND	ug/L	0.20	0.67	1		08/06/10	MPM
Xylenes, (Total)	3.12	ug/L	1.00	1.00	1		08/06/10	MPM

SIEMENS

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

Attn: Bill Jahn

PROJECT NO. : 2490-00 Moose Junction Lounge
REPORT NO. : 1008056
DATE REC'D 08/04/10 15:38
REPORT DATE : 08/09/10 14:37
PREPARED BY : BMS

Sample ID: **Trip Blank** Matrix: **Water** Sample Date/Time: **08/03/10 0:00** Lab No. : **1008056-02**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 524.2								
1,1,1,2-Tetrachloroethane	ND	ug/L	0.30	1.00	1		08/06/10	MPM
1,1,1-Trichloroethane	ND	ug/L	0.50	1.70	1		08/06/10	MPM
1,1,2,2-Tetrachloroethane	ND	ug/L	0.40	1.30	1		08/06/10	MPM
1,1,2-Trichloroethane	ND	ug/L	0.40	1.30	1		08/06/10	MPM
1,1-Dichloroethane	ND	ug/L	0.40	1.30	1		08/06/10	MPM
1,1-Dichloroethylene	ND	ug/L	0.40	1.30	1		08/06/10	MPM
1,1-Dichloropropylene	ND	ug/L	0.80	2.70	1		08/06/10	MPM
1,2,3-Trichloropropane	ND	ug/L	1.00	3.30	1		08/06/10	MPM
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1.70	1		08/06/10	MPM
1,2,4-Trimethylbenzene	ND	ug/L	0.20	0.67	1		08/06/10	MPM
1,2-Dichlorobenzene	ND	ug/L	0.80	2.70	1		08/06/10	MPM
1,2-Dichloroethane	ND	ug/L	0.30	1.00	1		08/06/10	MPM
1,2-Dichloropropane	ND	ug/L	0.40	1.30	1		08/06/10	MPM
1,3,5-Trimethylbenzene	ND	ug/L	0.20	0.67	1		08/06/10	MPM
1,3-Dichlorobenzene	ND	ug/L	0.20	0.67	1		08/06/10	MPM
1,3-Dichloropropane	ND	ug/L	0.20	0.67	1		08/06/10	MPM
1,4-Dichlorobenzene	ND	ug/L	0.80	2.70	1		08/06/10	MPM
2,2-Dichloropropane	ND	ug/L	1.00	3.30	1		08/06/10	MPM
2-Chlorotoluene	ND	ug/L	0.30	1.00	1		08/06/10	MPM
4-Chlorotoluene	ND	ug/L	0.30	1.00	1		08/06/10	MPM
4-Isopropyltoluene	ND	ug/L	0.40	1.33	1		08/06/10	MPM
Benzene	ND	ug/L	0.20	0.67	1		08/06/10	MPM
Bromobenzene	ND	ug/L	0.30	1.00	1		08/06/10	MPM
Bromodichloromethane	ND	ug/L	0.40	1.30	1		08/06/10	MPM
Bromoform	ND	ug/L	0.20	0.67	1		08/06/10	MPM
Bromomethane	ND	ug/L	1.00	3.30	1		08/06/10	MPM
Carbon Tetrachloride	ND	ug/L	0.30	1.00	1		08/06/10	MPM
Chlorobenzene	ND	ug/L	0.20	0.67	1		08/06/10	MPM
Chloroethane	ND	ug/L	0.70	2.30	1		08/06/10	MPM
Chloroform	ND	ug/L	0.20	0.67	1		08/06/10	MPM
Chloromethane	ND	ug/L	0.40	1.30	1		08/06/10	MPM
cis-1,2-Dichloroethylene	ND	ug/L	0.40	1.30	1		08/06/10	MPM
cis-1,3-Dichloropropylene	ND	ug/L	0.20	0.67	1		08/06/10	MPM
Dibromochloromethane	ND	ug/L	0.40	1.30	1		08/06/10	MPM
Dibromomethane	ND	ug/L	0.40	1.30	1		08/06/10	MPM
Dichlorodifluoromethane	ND	ug/L	0.30	1.00	1		08/06/10	MPM

SIEMENS

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

Attn: Bill Jahn

PROJECT NO. : 2490-00 Moose Junction Lounge
REPORT NO. : 1008056
DATE REC'D 08/04/10 15:38
REPORT DATE : 08/09/10 14:37
PREPARED BY : BMS

Sample ID: **Trip Blank** Matrix: **Water** Sample Date/Time: **08/03/10 0:00** Lab No. : **1008056-02**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 524.2 Continued								
Ethylbenzene	ND	ug/L	0.20	0.67	1		08/06/10	MPM
Hexachlorobutadiene	ND	ug/L	1.00	3.30	1		08/06/10	MPM
Isopropylbenzene (Cumene)	ND	ug/L	0.20	0.67	1		08/06/10	MPM
Methylene Chloride	ND	ug/L	0.40	1.30	1		08/06/10	MPM
Methyl-tert-Butyl Ether	ND	ug/L	0.50	1.70	1		08/06/10	MPM
Naphthalene	ND	ug/L	1.00	3.30	1		08/06/10	MPM
Styrene	ND	ug/L	0.10	0.50	1		08/06/10	MPM
Tetrachloroethene	ND	ug/L	0.30	1.00	1		08/06/10	MPM
Toluene	ND	ug/L	0.40	1.30	1		08/06/10	MPM
trans-1,2-Dichloroethylene	ND	ug/L	0.50	1.70	1		08/06/10	MPM
trans-1,3-Dichloropropylene	ND	ug/L	0.40	1.30	1		08/06/10	MPM
Trichloroethene	ND	ug/L	0.40	1.30	1		08/06/10	MPM
Vinyl chloride	ND	ug/L	0.20	0.67	1		08/06/10	MPM
Xylenes, (Total)	ND	ug/L	1.00	1.00	1		08/06/10	MPM

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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, EPA 8021 and WI DNR/EPA 8260B methanol and WI DNR methylene chloride preserved soils being reported to the State of Wisconsin.

ug/l = Micrograms per Liter = parts per billion (ppb)
ug/kg = Micrograms per kilogram = parts per billion (ppb)
mg/l = Milligrams per liter = parts per million (ppm)
mg/kg = Milligrams per kilogram = parts per million (ppm)
NOT PRES = Not Present
ppth = Parts per thousand
* = Result outside established limits.
mg/m3 = Milligrams per meter cubed
ng/L = Nanograms per Liter = Parts per trillion(ppt)
> = Greater Than

State of Wisconsin Methanol Soils for WI GRO, WI DNR/EPA 8260B and EPA 8021 are reported to the LOQ.

SIEMENS

Company Name	Project
Carlson Professional Services, Inc.	Moose Junction Lounge (#2490-00)
Report Mailing Address 1011 E Central Entrance, Suite 100 Duluth, MN 55811	**Contact Name, Phone, Fax, Email** Bill Jahn bjahne@carlsonpsi.com (218) 625-7004
Invoice Address Lino Lakes Address ✓	**Purchase Order #** —
	Invoice Contact and Phone No. SAA

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

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

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

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

WO No. 10 11399

Lab Use Only	Sample Date	Sample Time	No. of Containers Comp	No. of Containers Grab	Sample ID	PVOCs + Naphth.	VOCs	Comments
-1	11/23/10	11:40a	3		MW-1	X		3 vials HCl
-2		12:10p	3		MW-2	X		
-3		10:05a	3		MW-3	X		
-4		10:40a	3		MW-4	X		
-5		11:10a	3		MW-5R	X		
-6		—	1		Trip Blank	X		1 vial HCl 9-15-10 TB160
-7		9:15a	6		Potable Well		X	6 vials HCl
-8	↓	—	1		Trip Blank		X	1 vial HCl 9-15-10 TB160

Lab Use Only

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

Sample Receiving Comments: Rec'd w/ custody seal intact

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Relinquished By:	Date	Time	Received By:
	11/23/10		
	11-24-10	1549	

Chain of Custody Record

SIEMENS

December 03, 2010

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

Attn: Bill Jahn

REPORT NO.: 1011399 **PROJECT NO.: 2490-00 Moose Junction Lounge**

Please find enclosed the analytical report, including the Sample Summary, Sample Narrative and Chain of Custody for your sample set received November 24, 2010.

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

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

Sincerely,

Siemens Water Technologies

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 Water Technologies Quality Assurance Program. Exceptions, if any, are discussed in the sample narrative. Samples will be retained for 30 days from the date of this report, then disposed in an appropriate manner. Siemens Water Technologies Corp. reserves the right to return samples identified as hazardous. Release of this Final Report is authorized as verified by the following signature. The contents of this report apply to the sample(s) analyzed. No duplication of this report is allowed except in its entirety.

Reviewed by: James R. Sallows

Certifications:
Wisconsin 737053130
Minnesota 055-999-302
Illinois 100317

ACCREDITED IN ACCORDANCE WITH nelac

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SAMPLE SUMMARY

Lab Id	Client Sample Id	Date/Time	Matrix
1011399-01	MW-1	11/23/10 11:40	Ground Water
1011399-02	MW-2	11/23/10 12:10	Ground Water
1011399-03	MW-3	11/23/10 10:05	Ground Water
1011399-04	MW-4	11/23/10 10:40	Ground Water
1011399-05	MW-5R	11/23/10 11:10	Ground Water
1011399-06	Trip Blank	11/23/10 00:00	Water
1011399-07	Potable Well	11/23/10 09:15	Drinking Water
1011399-08	Trip Blank	11/23/10 00:00	Water

SIEMENS

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

Attn: Bill Jahn

PROJECT NO. : 2490-00 Moose Junction Lounge
REPORT NO. : 1011399
DATE REC'D: 11/24/10 15:49
REPORT DATE : 12/03/10 13:43
PREPARED BY : BMS

Sample ID: **MW-1** Matrix: **Ground Water** Sample Date/Time: **11/23/10 11:40** Lab No. : **1011399-01**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	ug/L	0.400	2.00	1		12/01/10	ALZ
1,3,5-Trimethylbenzene	ND	ug/L	0.440	2.00	1		12/01/10	ALZ
Benzene	ND	ug/L	0.310	2.00	1		12/01/10	ALZ
Ethylbenzene	ND	ug/L	0.500	2.00	1		12/01/10	ALZ
m&p-Xylene	ND	ug/L	0.620	2.10	1		12/01/10	ALZ
Methyl Tert Butyl Ether	ND	ug/L	0.300	2.00	1		12/01/10	ALZ
Naphthalene	ND	ug/L	2.00	2.66	1		12/01/10	ALZ
o-Xylene	ND	ug/L	0.770	2.00	1		12/01/10	ALZ
Toluene	ND	ug/L	0.370	2.00	1		12/01/10	ALZ

Sample ID: **MW-2** Matrix: **Ground Water** Sample Date/Time: **11/23/10 12:10** Lab No. : **1011399-02**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	1580	ug/L	40.0	200	100		12/01/10	ALZ
1,3,5-Trimethylbenzene	649	ug/L	44.0	200	100		12/01/10	ALZ
Benzene	4100	ug/L	31.0	200	100		12/01/10	ALZ
Ethylbenzene	622	ug/L	50.0	200	100		12/01/10	ALZ
m&p-Xylene	4490	ug/L	62.0	210	100		12/01/10	ALZ
Methyl Tert Butyl Ether	68.4	ug/L	30.0	200	100	J	12/01/10	ALZ
Naphthalene	443	ug/L	200	266	100		12/01/10	ALZ
o-Xylene	2500	ug/L	77.0	200	100		12/01/10	ALZ
Toluene	4860	ug/L	37.0	200	100		12/01/10	ALZ

SIEMENS

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

Attn: Bill Jahn

PROJECT NO. : 2490-00 Moose Junction Lounge
REPORT NO. : 1011399
DATE REC'D: 11/24/10 15:49
REPORT DATE : 12/03/10 13:43
PREPARED BY : BMS

Sample ID: **MW-3** Matrix: **Ground Water** Sample Date/Time: **11/23/10 10:05** Lab No. : **1011399-03**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	ug/L	0.400	2.00	1		12/01/10	ALZ
1,3,5-Trimethylbenzene	ND	ug/L	0.440	2.00	1		12/01/10	ALZ
Benzene	ND	ug/L	0.310	2.00	1		12/01/10	ALZ
Ethylbenzene	ND	ug/L	0.500	2.00	1		12/01/10	ALZ
m&p-Xylene	ND	ug/L	0.620	2.10	1		12/01/10	ALZ
Methyl Tert Butyl Ether	ND	ug/L	0.300	2.00	1		12/01/10	ALZ
Naphthalene	ND	ug/L	2.00	2.66	1		12/01/10	ALZ
o-Xylene	ND	ug/L	0.770	2.00	1		12/01/10	ALZ
Toluene	ND	ug/L	0.370	2.00	1		12/01/10	ALZ

Sample ID: **MW-4** Matrix: **Ground Water** Sample Date/Time: **11/23/10 10:40** Lab No. : **1011399-04**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	ug/L	0.400	2.00	1		12/01/10	ALZ
1,3,5-Trimethylbenzene	ND	ug/L	0.440	2.00	1		12/01/10	ALZ
Benzene	2.60	ug/L	0.310	2.00	1		12/01/10	ALZ
Ethylbenzene	ND	ug/L	0.500	2.00	1		12/01/10	ALZ
m&p-Xylene	ND	ug/L	0.620	2.10	1		12/01/10	ALZ
Methyl Tert Butyl Ether	ND	ug/L	0.300	2.00	1		12/01/10	ALZ
Naphthalene	ND	ug/L	2.00	2.66	1		12/01/10	ALZ
o-Xylene	ND	ug/L	0.770	2.00	1		12/01/10	ALZ
Toluene	ND	ug/L	0.370	2.00	1		12/01/10	ALZ

SIEMENS

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

PROJECT NO. : 2490-00 Moose Junction Lounge
REPORT NO. : 1011399
DATE REC'D: 11/24/10 15:49
REPORT DATE : 12/03/10 13:43
PREPARED BY : BMS

Attn: Bill Jahn

Sample ID: **MW-5R** Matrix: **Ground Water** Sample Date/Time: **11/23/10 11:10** Lab No. : **1011399-05**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	ug/L	0.400	2.00	1		12/01/10	ALZ
1,3,5-Trimethylbenzene	ND	ug/L	0.440	2.00	1		12/01/10	ALZ
Benzene	ND	ug/L	0.310	2.00	1		12/01/10	ALZ
Ethylbenzene	ND	ug/L	0.500	2.00	1		12/01/10	ALZ
m&p-Xylene	ND	ug/L	0.620	2.10	1		12/01/10	ALZ
Methyl Tert Butyl Ether	ND	ug/L	0.300	2.00	1		12/01/10	ALZ
Naphthalene	ND	ug/L	2.00	2.66	1		12/01/10	ALZ
o-Xylene	ND	ug/L	0.770	2.00	1		12/01/10	ALZ
Toluene	ND	ug/L	0.370	2.00	1		12/01/10	ALZ

Sample ID: **Trip Blank** Matrix: **Water** Sample Date/Time: **11/23/10 0:00** Lab No. : **1011399-06**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	ug/L	0.400	2.00	1		12/01/10	ALZ
1,3,5-Trimethylbenzene	ND	ug/L	0.440	2.00	1		12/01/10	ALZ
Benzene	ND	ug/L	0.310	2.00	1		12/01/10	ALZ
Ethylbenzene	ND	ug/L	0.500	2.00	1		12/01/10	ALZ
m&p-Xylene	ND	ug/L	0.620	2.10	1		12/01/10	ALZ
Methyl Tert Butyl Ether	ND	ug/L	0.300	2.00	1		12/01/10	ALZ
Naphthalene	ND	ug/L	2.00	2.66	1		12/01/10	ALZ
o-Xylene	ND	ug/L	0.770	2.00	1		12/01/10	ALZ
Toluene	ND	ug/L	0.370	2.00	1		12/01/10	ALZ

SIEMENS

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

PROJECT NO. : 2490-00 Moose Junction Lounge
REPORT NO. : 1011399
DATE REC'D: 11/24/10 15:49
REPORT DATE : 12/03/10 13:43
PREPARED BY : BMS

Attn: Bill Jahn

Sample ID: **Potable Well** Matrix: **Drinking Water** Sample Date/Time: **11/23/10 9:15** Lab No. : **1011399-07**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 524.2								
1,1,1,2-Tetrachloroethane	ND	ug/L	0.30	1.00	1		11/30/10	MRD
1,1,1-Trichloroethane	ND	ug/L	0.50	1.70	1		11/30/10	MRD
1,1,2,2-Tetrachloroethane	ND	ug/L	0.40	1.30	1		11/30/10	MRD
1,1,2-Trichloroethane	ND	ug/L	0.40	1.30	1		11/30/10	MRD
1,1-Dichloroethane	ND	ug/L	0.40	1.30	1		11/30/10	MRD
1,1-Dichloroethylene	ND	ug/L	0.40	1.30	1		11/30/10	MRD
1,1-Dichloropropylene	ND	ug/L	0.80	2.70	1		11/30/10	MRD
1,2,3-Trichloropropane	ND	ug/L	1.00	3.30	1		11/30/10	MRD
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1.70	1		11/30/10	MRD
1,2,4-Trimethylbenzene	3.94	ug/L	0.20	0.67	1		11/30/10	MRD
1,2-Dichlorobenzene	ND	ug/L	0.80	2.70	1		11/30/10	MRD
1,2-Dichloroethane	ND	ug/L	0.30	1.00	1		11/30/10	MRD
1,2-Dichloropropane	ND	ug/L	0.40	1.30	1		11/30/10	MRD
1,3,5-Trimethylbenzene	1.94	ug/L	0.20	0.67	1		11/30/10	MRD
1,3-Dichlorobenzene	ND	ug/L	0.20	0.67	1		11/30/10	MRD
1,3-Dichloropropane	ND	ug/L	0.20	0.67	1		11/30/10	MRD
1,4-Dichlorobenzene	ND	ug/L	0.80	2.70	1		11/30/10	MRD
2,2-Dichloropropane	ND	ug/L	1.00	3.30	1		11/30/10	MRD
2-Chlorotoluene	ND	ug/L	0.30	1.00	1		11/30/10	MRD
4-Chlorotoluene	ND	ug/L	0.30	1.00	1		11/30/10	MRD
4-Isopropyltoluene	ND	ug/L	0.40	1.33	1		11/30/10	MRD
Benzene	21.6	ug/L	0.20	0.67	1		11/30/10	MRD
Bromobenzene	ND	ug/L	0.30	1.00	1		11/30/10	MRD
Bromodichloromethane	ND	ug/L	0.40	1.30	1		11/30/10	MRD
Bromoform	ND	ug/L	0.20	0.67	1		11/30/10	MRD
Bromomethane	ND	ug/L	1.00	3.30	1		11/30/10	MRD
Carbon Tetrachloride	ND	ug/L	0.30	1.00	1		11/30/10	MRD
Chlorobenzene	ND	ug/L	0.20	0.67	1		11/30/10	MRD
Chloroethane	ND	ug/L	0.70	2.30	1		11/30/10	MRD
Chloroform	ND	ug/L	0.20	0.67	1		11/30/10	MRD
Chloromethane	ND	ug/L	0.40	1.30	1		11/30/10	MRD
cis-1,2-Dichloroethylene	ND	ug/L	0.40	1.30	1		11/30/10	MRD
cis-1,3-Dichloropropylene	ND	ug/L	0.20	0.67	1		11/30/10	MRD
Dibromochloromethane	ND	ug/L	0.40	1.30	1		11/30/10	MRD
Dibromomethane	ND	ug/L	0.40	1.30	1		11/30/10	MRD
Dichlorodifluoromethane	ND	ug/L	0.30	1.00	1		11/30/10	MRD
Ethylbenzene	7.99	ug/L	0.20	0.67	1		11/30/10	MRD
Hexachlorobutadiene	ND	ug/L	1.00	3.30	1		11/30/10	MRD
Isopropylbenzene (Cumene)	0.48	ug/L	0.20	0.67	1	J	11/30/10	MRD
Methylene Chloride	ND	ug/L	0.40	1.30	1		11/30/10	MRD
Methyl-tert-Butyl Ether	ND	ug/L	0.50	1.70	1		11/30/10	MRD

SIEMENS

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

PROJECT NO. : 2490-00 Moose Junction Lounge
REPORT NO. : 1011399
DATE REC'D: 11/24/10 15:49
REPORT DATE : 12/03/10 13:43
PREPARED BY : BMS

Attn: Bill Jahn

Sample ID: **Potable Well** Matrix: **Drinking Water** Sample Date/Time: **11/23/10 9:15** Lab No. : **1011399-07**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 524.2 Continued								
Naphthalene	ND	ug/L	1.00	3.30	1		11/30/10	MRD
Styrene	ND	ug/L	0.10	0.50	1		11/30/10	MRD
Tetrachloroethene	ND	ug/L	0.30	1.00	1		11/30/10	MRD
Toluene	0.61	ug/L	0.40	1.30	1	J	11/30/10	MRD
trans-1,2-Dichloroethylene	ND	ug/L	0.50	1.70	1		11/30/10	MRD
trans-1,3-Dichloropropylene	ND	ug/L	0.40	1.30	1		11/30/10	MRD
Trichloroethene	ND	ug/L	0.40	1.30	1		11/30/10	MRD
Vinyl chloride	ND	ug/L	0.20	0.67	1		11/30/10	MRD
Xylenes, (Total)	8.01	ug/L	1.00	1.00	1		11/30/10	MRD

SIEMENS

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

PROJECT NO. : 2490-00 Moose Junction Lounge
REPORT NO. : 1011399
DATE REC'D: 11/24/10 15:49
REPORT DATE : 12/03/10 13:43
PREPARED BY : BMS

Attn: Bill Jahn

Sample ID: **Trip Blank** Matrix: **Water** Sample Date/Time: **11/23/10 0:00** Lab No. : **1011399-08**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 524.2								
1,1,1,2-Tetrachloroethane	ND	ug/L	0.30	1.00	1		12/02/10	MPM
1,1,1-Trichloroethane	ND	ug/L	0.50	1.70	1		12/02/10	MPM
1,1,2,2-Tetrachloroethane	ND	ug/L	0.40	1.30	1		12/02/10	MPM
1,1,2-Trichloroethane	ND	ug/L	0.40	1.30	1		12/02/10	MPM
1,1-Dichloroethane	ND	ug/L	0.40	1.30	1		12/02/10	MPM
1,1-Dichloroethylene	ND	ug/L	0.40	1.30	1		12/02/10	MPM
1,1-Dichloropropylene	ND	ug/L	0.80	2.70	1		12/02/10	MPM
1,2,3-Trichloropropane	ND	ug/L	1.00	3.30	1		12/02/10	MPM
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1.70	1		12/02/10	MPM
1,2,4-Trimethylbenzene	ND	ug/L	0.20	0.67	1		12/02/10	MPM
1,2-Dichlorobenzene	ND	ug/L	0.80	2.70	1		12/02/10	MPM
1,2-Dichloroethane	ND	ug/L	0.30	1.00	1		12/02/10	MPM
1,2-Dichloropropane	ND	ug/L	0.40	1.30	1		12/02/10	MPM
1,3,5-Trimethylbenzene	ND	ug/L	0.20	0.67	1		12/02/10	MPM
1,3-Dichlorobenzene	ND	ug/L	0.20	0.67	1		12/02/10	MPM
1,3-Dichloropropane	ND	ug/L	0.20	0.67	1		12/02/10	MPM
1,4-Dichlorobenzene	ND	ug/L	0.80	2.70	1		12/02/10	MPM
2,2-Dichloropropane	ND	ug/L	1.00	3.30	1		12/02/10	MPM
2-Chlorotoluene	ND	ug/L	0.30	1.00	1		12/02/10	MPM
4-Chlorotoluene	ND	ug/L	0.30	1.00	1		12/02/10	MPM
4-Isopropyltoluene	ND	ug/L	0.40	1.33	1		12/02/10	MPM
Benzene	ND	ug/L	0.20	0.67	1		12/02/10	MPM
Bromobenzene	ND	ug/L	0.30	1.00	1		12/02/10	MPM
Bromodichloromethane	ND	ug/L	0.40	1.30	1		12/02/10	MPM
Bromoform	ND	ug/L	0.20	0.67	1		12/02/10	MPM
Bromomethane	ND	ug/L	1.00	3.30	1		12/02/10	MPM
Carbon Tetrachloride	ND	ug/L	0.30	1.00	1		12/02/10	MPM
Chlorobenzene	ND	ug/L	0.20	0.67	1		12/02/10	MPM
Chloroethane	ND	ug/L	0.70	2.30	1		12/02/10	MPM
Chloroform	ND	ug/L	0.20	0.67	1		12/02/10	MPM
Chloromethane	ND	ug/L	0.40	1.30	1		12/02/10	MPM
cis-1,2-Dichloroethylene	ND	ug/L	0.40	1.30	1		12/02/10	MPM
cis-1,3-Dichloropropylene	ND	ug/L	0.20	0.67	1		12/02/10	MPM
Dibromochloromethane	ND	ug/L	0.40	1.30	1		12/02/10	MPM
Dibromomethane	ND	ug/L	0.40	1.30	1		12/02/10	MPM
Dichlorodifluoromethane	ND	ug/L	0.30	1.00	1		12/02/10	MPM
Ethylbenzene	ND	ug/L	0.20	0.67	1		12/02/10	MPM
Hexachlorobutadiene	ND	ug/L	1.00	3.30	1		12/02/10	MPM
Isopropylbenzene (Cumene)	ND	ug/L	0.20	0.67	1		12/02/10	MPM
Methylene Chloride	ND	ug/L	0.40	1.30	1		12/02/10	MPM
Methyl-tert-Butyl Ether	ND	ug/L	0.50	1.70	1		12/02/10	MPM

SIEMENS

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

PROJECT NO. : 2490-00 Moose Junction Lounge
REPORT NO. : 1011399
DATE REC'D: 11/24/10 15:49
REPORT DATE : 12/03/10 13:43
PREPARED BY : BMS

Attn: Bill Jahn

Sample ID: **Trip Blank** Matrix: **Water** Sample Date/Time: **11/23/10 0:00** Lab No. : **1011399-08**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 524.2 Continued								
Naphthalene	ND	ug/L	1.00	3.30	1		12/02/10	MPM
Styrene	ND	ug/L	0.10	0.50	1		12/02/10	MPM
Tetrachloroethene	ND	ug/L	0.30	1.00	1		12/02/10	MPM
Toluene	ND	ug/L	0.40	1.30	1		12/02/10	MPM
trans-1,2-Dichloroethylene	ND	ug/L	0.50	1.70	1		12/02/10	MPM
trans-1,3-Dichloropropylene	ND	ug/L	0.40	1.30	1		12/02/10	MPM
Trichloroethene	ND	ug/L	0.40	1.30	1		12/02/10	MPM
Vinyl chloride	ND	ug/L	0.20	0.67	1		12/02/10	MPM
Xylenes, (Total)	ND	ug/L	1.00	1.00	1		12/02/10	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 8021methanol and WI DNR methylene chloride preserved soils.

ug/l = Micrograms per Liter = parts per billion (ppb)
ug/kg = Micrograms per kilogram = parts per billion (ppb)
mg/l = Milligrams per liter = parts per million (ppm)
mg/kg = Milligrams per kilogram = parts per million (ppm)
NOT PRES = Not Present
ppth = Parts per thousand
* = Result outside established limits.
mg/m3 = Milligrams per meter cubed
ng/L = Nanograms per Liter = Parts per trillion(ppt)
> = Greater Than

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

315 Chestnut Street
PO Box 1142
Virginia, MN 55792
Phone: (218) 741-4290

Duluth Laboratory
1510 W Superior Street
Duluth, MN 55802
Phone: (218) 727-9308

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

COC# 112708

CLIENT, ADDRESS, PHONE, E-MAIL:
Carlson Professional Services, Inc.
1011 E Central Entrance, Suite 100
Duluth, MN 55811 (218) 625-7004
hmcgowne carlsonpsi.com

INVOICE TO:
Carlson Professional Services
248 Apollo Dr., Suite 100
Lino Lakes, MN 55014
(763) 489-7900

REPORT TO:
Hillary McGown
hmcgowne carlsonpsi.com

☒ Samples Originated in Wisconsin

SPECIAL INSTRUCTIONS:

PROJECT DESCRIPTION:
#2490-00 / Moosejunction lounge

PRINT SAMPLER NAME:
Hillary McGown

PERMIT REQUIREMENT.:

NTS PROJECT NO:

NTS SAMPLE #	SAMPLE DESCRIPTION:	SAMPLE COLLECTION DATE START DATE:	SAMPLE COLLECTION DATE END DATE:	SAMPLE COLLECTION TIME START TIME:	SAMPLE COLLECTION TIME END TIME:	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	MATRIX LIQ.	MATRIX SOL.	Field Filtered	Lab Filter	CONTAINERS GENERAL - NO PRES.	CONTAINERS NUTRIENTS - H2SO4	CONTAINERS METALS - HNO3	CONTAINERS 40ML VIALS - HCL	CONTAINERS 1 L AMBER - HCL	CONTAINERS 100ML - NaTHIO	ANALYSIS:
470998	MW-1	3/4/11	3/4/11	—	11:30	X		X		N	N				3			VOCs + Naphthalene
470999	MW-2				12:10	X		X		N	N				3			
471000	MW-4				10:20	X		X		N	N				3			
471001	MW-5R				11:00	X		X		N	N				3			
471002	Trip Blank				—	X		X		N	N				3			
471003	Swenson Potable Well	3/4/11	3/4/11		9:20	X		X		N	N				3			VOCs - drinking water
471004	Trip Blank				—	X		X		N	N				3			

RELINQUISHED BY: Hillary McGown	DATE: 3/4/11 TIME: 3:00	RELINQUISHED BY:	DATE: 3/8/11 TIME: 1100
RECEIVED BY:	DATE: 3/4/11 TIME: 3:00	RECEIVED BY: Daniel Li	DATE: 03/08/11 TIME: 11:02
COMMENTS:		RELINQUISHED BY:	DATE: TIME:
		CUSTODY SEALS INTACT: YES_____ NO_____	

RELINQUISHED TO NTS SAMPLE LOCK-UP:	DATE:	TIME:
RECEIVED FROM NTS SAMPLE LOCK-UP:	DATE:	TIME:
RECEIVED FOR LAB BY: Daniel Li	DATE: 03/08/11 TIME: 18:00	SAMPLE TEMP: 3.4 C
SAMPLES RECEIVED ON ICE: YES X	NO_____	

SAMPLE SUMMARY

Northeast Technical Services
315 Chestnut Street
PO Box 1142
Virginia, MN 55792
Phone: 218-741-4290
Fax: 218-742-1010

MDH Certification: 027-137-157

Laboratory Results

NTS COC: 112708

Client: 2633 - Carlson Professional Services
Project: 8488 - 2490-00 Moose Junction Lounge
Sampled By: Client
Report Date: 3/22/2011
Rec'd Temperature: 3.4 °C

Carlson Professional Services
Attn: Hillary McGown
1011 East Central Entrance
Suite 100
Duluth, MN 55811

Approved by:

Jennifer Tarnowski
Project Manager

Sample Description	Sample ID	Sample Type	Matrix	Sample Date	Received Date
MW-1	470998	Grab	Aqueous	3/4/2011 11:30	3/8/2011 18:00
MW-2	470999	Grab	Aqueous	3/4/2011 12:10	3/8/2011 18:00
MW-4	471000	Grab	Aqueous	3/4/2011 10:20	3/8/2011 18:00
MW-5R	471001	Grab	Aqueous	3/4/2011 11:00	3/8/2011 18:00
Trip Blank	471002	Grab	Aqueous	3/4/2011	3/8/2011 18:00
Swenson Potable Well	471003	Grab	Potable Water	3/4/2011 09:20	3/8/2011 18:00
Trip Blank	471004	Grab	Potable Water	3/4/2011	3/8/2011 18:00

SAMPLE RESULTS

NTS Sample: 470998
Description: MW-1
Sample Date: 3/4/2011 11:30:00 AM

Matrix: Aqueous
Sample Type: Grab

NTS COC: 112708
Client: 2633 - Carlson Professional Services
Project: 8488 - 2490-00 Moose Junction Lounge
Sampled By: Client
Report Date: 3/22/2011

Analyte	Result	DF	LOQ	LOD	Units	Method	Prep Date	Analysis Date	
Naphthalene	<0.48	1	5	0.48	µg/L	EPA 8021		03/11/11 10:58	j5
1,2,4-Trimethylbenzene	<0.12	1	2	0.12	µg/L	EPA 8021		03/11/11 10:58	j5
1,3,5-Trimethylbenzene	<0.14	1	2	0.14	µg/L	EPA 8021		03/11/11 10:58	j5
Benzene	<0.14	1	2	0.14	µg/L	EPA 8021		03/11/11 10:58	j5
Ethyl Benzene	<0.14	1	1.4	0.14	µg/L	EPA 8021		03/11/11 10:58	j5
Methyl Tert-butyl Ether	<0.3	1	2.3	0.3	µg/L	EPA 8021		03/11/11 10:58	j5
Toluene	<0.13	1	2	0.13	µg/L	EPA 8021		03/11/11 10:58	j5
Xylene, Total	<0.43	1	4	0.43	µg/L	EPA 8021		03/11/11 10:58	j5

Qualifier	Description	Note
j5	Estimated value. The analyte is reported to the LOD.	

SAMPLE RESULTS

NTS Sample: 470999
Description: MW-2
Sample Date: 3/4/2011 12:10:00 PM

Matrix: Aqueous
Sample Type: Grab

NTS COC: 112708
Client: 2633 - Carlson Professional Services
Project: 8488 - 2490-00 Moose Junction Lounge
Sampled By: Client
Report Date: 3/22/2011

Analyte	Result	DF	LOQ	LOD	Units	Method	Prep Date	Analysis Date	
Naphthalene	290	20	100	0.48	µg/L	EPA 8021		03/11/11 12:32	n
1,2,4-Trimethylbenzene	1200	20	40	0.12	µg/L	EPA 8021		03/11/11 12:32	
1,3,5-Trimethylbenzene	480	20	40	0.14	µg/L	EPA 8021		03/11/11 12:32	
Benzene	6000	200	400	0.14	µg/L	EPA 8021		03/11/11 15:09	
Ethyl Benzene	750	20	28	0.14	µg/L	EPA 8021		03/11/11 12:32	
Methyl Tert-butyl Ether	42	20	46	0.3	µg/L	EPA 8021		03/11/11 12:32	j5
Toluene	7700	200	400	0.13	µg/L	EPA 8021		03/11/11 15:09	
Xylene, Total	870	200	800	0.43	µg/L	EPA 8021		03/11/11 15:09	

Qualifier	Description	Note
j5	Estimated value. The analyte is reported to the LOD.	
n	Matrix Spike recovery not within control limits.	MS recovery for naphthalene 124%.

SAMPLE RESULTS

NTS Sample: 471000
Description: MW-4
Sample Date: 3/4/2011 10:20:00 AM

Matrix: Aqueous
Sample Type: Grab

NTS COC: 112708
Client: 2633 - Carlson Professional Services
Project: 8488 - 2490-00 Moose Junction Lounge
Sampled By: Client
Report Date: 3/22/2011

Analyte	Result	DF	LOQ	LOD	Units	Method	Prep Date	Analysis Date	
Naphthalene	<0.48	1	5	0.48	µg/L	EPA 8021		03/11/11 13:35	j5
1,2,4-Trimethylbenzene	<0.12	1	2	0.12	µg/L	EPA 8021		03/11/11 13:35	j5
1,3,5-Trimethylbenzene	<0.14	1	2	0.14	µg/L	EPA 8021		03/11/11 13:35	j5
Benzene	21	1	2	0.14	µg/L	EPA 8021		03/11/11 13:35	
Ethyl Benzene	<0.14	1	1.4	0.14	µg/L	EPA 8021		03/11/11 13:35	j5
Methyl Tert-butyl Ether	<0.3	1	2.3	0.3	µg/L	EPA 8021		03/11/11 13:35	j5
Toluene	<0.13	1	2	0.13	µg/L	EPA 8021		03/11/11 13:35	j5
Xylene, Total	<0.43	1	4	0.43	µg/L	EPA 8021		03/11/11 13:35	j5

Qualifier	Description	Note
j5	Estimated value. The analyte is reported to the LOD.	

SAMPLE RESULTS

NTS Sample: 471001
Description: MW-5R
Sample Date: 3/4/2011 11:00:00 AM

Matrix: Aqueous
Sample Type: Grab

NTS COC: 112708
Client: 2633 - Carlson Professional Services
Project: 8488 - 2490-00 Moose Junction Lounge
Sampled By: Client
Report Date: 3/22/2011

Analyte	Result	DF	LOQ	LOD	Units	Method	Prep Date	Analysis Date	
Naphthalene	<0.48	1	5	0.48	µg/L	EPA 8021		03/11/11 14:06	j5
1,2,4-Trimethylbenzene	<0.12	1	2	0.12	µg/L	EPA 8021		03/11/11 14:06	j5
1,3,5-Trimethylbenzene	<0.14	1	2	0.14	µg/L	EPA 8021		03/11/11 14:06	j5
Benzene	<0.14	1	2	0.14	µg/L	EPA 8021		03/11/11 14:06	j5
Ethyl Benzene	<0.14	1	1.4	0.14	µg/L	EPA 8021		03/11/11 14:06	j5
Methyl Tert-butyl Ether	<0.3	1	2.3	0.3	µg/L	EPA 8021		03/11/11 14:06	j5
Toluene	<0.13	1	2	0.13	µg/L	EPA 8021		03/11/11 14:06	j5
Xylene, Total	<0.43	1	4	0.43	µg/L	EPA 8021		03/11/11 14:06	j5

Qualifier	Description	Note
j5	Estimated value. The analyte is reported to the LOD.	

SAMPLE RESULTS

NTS Sample: 471002
Description: Trip Blank
Sample Date: 3/4/2011

Matrix: Aqueous
Sample Type: Grab

NTS COC: 112708
Client: 2633 - Carlson Professional Services
Project: 8488 - 2490-00 Moose Junction Lounge
Sampled By: Client
Report Date: 3/22/2011

Analyte	Result	DF	LOQ	LOD	Units	Method	Prep Date	Analysis Date	
Naphthalene	<0.48	1	5	0.48	µg/L	EPA 8021		03/11/11 14:38	j5
1,2,4-Trimethylbenzene	<0.12	1	2	0.12	µg/L	EPA 8021		03/11/11 14:38	j5
1,3,5-Trimethylbenzene	<0.14	1	2	0.14	µg/L	EPA 8021		03/11/11 14:38	j5
Benzene	<0.14	1	2	0.14	µg/L	EPA 8021		03/11/11 14:38	j5
Ethyl Benzene	<0.14	1	1.4	0.14	µg/L	EPA 8021		03/11/11 14:38	j5
Methyl Tert-butyl Ether	<0.3	1	2.3	0.3	µg/L	EPA 8021		03/11/11 14:38	j5
Toluene	<0.13	1	2	0.13	µg/L	EPA 8021		03/11/11 14:38	j5
Xylene, Total	<0.43	1	4	0.43	µg/L	EPA 8021		03/11/11 14:38	j5

Qualifier	Description	Note
j5	Estimated value. The analyte is reported to the LOD.	

SAMPLE RESULTS

NTS Sample: 471003
Description: Swenson Potable Well
Sample Date: 3/4/2011 9:20:00 AM

Matrix: Potable Water
Sample Type: Grab

NTS COC: 112708
Client: 2633 - Carlson Professional Services
Project: 8488 - 2490-00 Moose Junction Lounge
Sampled By: Client
Report Date: 3/22/2011

Analyte	Result	DF	LOQ	LOD	Units	Method	Prep Date	Analysis Date	
VOC	See Report	1			µg/L	EPA 524.2		03/15/11 17:59	S4

Qualifier	Description	Note
S4	Analysis performed by Pace: MDH# 027-053-137 1700 Elm St. S.E. Suite 200 Minneapolis, MN	See Attached Report.

SAMPLE RESULTS

NTS Sample: 471004
Description: Trip Blank
Sample Date: 3/4/2011

Matrix: Potable Water
Sample Type: Grab

NTS COC: 112708
Client: 2633 - Carlson Professional Services
Project: 8488 - 2490-00 Moose Junction Lounge
Sampled By: Client
Report Date: 3/22/2011

Analyte	Result	DF	LOQ	LOD	Units	Method	Prep Date	Analysis Date	
VOC	See Report	1			µg/L	EPA 524.2		03/15/11 17:25	S4

Qualifier	Description	Note
S4	Analysis performed by Pace: MDH# 027-053-137 1700 Elm St. S.E. Suite 200 Minneapolis, MN	See Attached Report.

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

March 21, 2011

Jennifer Tarnowski
Northeast Technical Services
315 Chestnut Street
Virginia, MN 55792

RE: Project: 8488
Pace Project No.: 10151578

Dear Jennifer Tarnowski:
Enclosed are the analytical results for sample(s) received by the laboratory on March 10, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Andrea Opland

andrea.opland@pacelabs.com
Project Manager

Enclosures

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: 8488
Pace Project No.: 10151578

Minnesota Certification IDs
1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
EPA Region 8 Certification #: Pace
Florida/NELAP Certification #: E87605
Georgia Certification #: 959
Idaho Certification #: MN00064
Illinois Certification #: 200011
Iowa Certification #: 368
Kansas Certification #: E-10167
Louisiana Certification #: 03086
Louisiana Certification #: LA080009
Maine Certification #: 2007029
Maryland Certification #: 322
Michigan DEQ Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT CERT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New Mexico Certification #: Pace
New York Certification #: 11647
North Carolina Certification #: 530
North Dakota Certification #: R-036
North Dakota Certification #: R-036A
Ohio VAP Certification #: CL101
Oklahoma Certification #: D9921
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Tennessee Certification #: 02818
Texas Certification #: T104704192
Washington Certification #: C754
Wisconsin Certification #: 999407970

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

SAMPLE SUMMARY

Project: 8488
Pace Project No.: 10151578

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10151578001	471003	Water	03/04/11 09:20	03/10/11 12:15
10151578002	471004	Water	03/04/11 00:00	03/10/11 12:15

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SAMPLE ANALYTE COUNT

Project: 8488
Pace Project No.: 10151578

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10151578001	471003	EPA 524.2	DJT	76
10151578002	471004	EPA 524.2	DJT	76

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ANALYTICAL RESULTS

Project: 8488
Pace Project No.: 10151578

Sample: 471003 **Lab ID: 10151578001** Collected: 03/04/11 09:20 Received: 03/10/11 12:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV	Analytical Method: EPA 524.2							
Acetone	ND	ug/L	25.0	1		03/15/11 17:59	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		03/15/11 17:59	107-13-1	
Benzene	**6.1**	ug/L	0.50	1		03/15/11 17:59	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		03/15/11 17:59	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		03/15/11 17:59	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		03/15/11 17:59	75-27-4	
Bromoform	ND	ug/L	4.0	1		03/15/11 17:59	75-25-2	
Bromomethane	ND	ug/L	1.0	1		03/15/11 17:59	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		03/15/11 17:59	78-93-3	
n-Butylbenzene	ND	ug/L	0.50	1		03/15/11 17:59	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		03/15/11 17:59	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		03/15/11 17:59	98-06-6	
Carbon disulfide	ND	ug/L	1.0	1		03/15/11 17:59	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/15/11 17:59	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		03/15/11 17:59	108-90-7	
Chloroethane	ND	ug/L	0.50	1		03/15/11 17:59	75-00-3	
Chloroform	ND	ug/L	0.50	1		03/15/11 17:59	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/15/11 17:59	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	1		03/15/11 17:59	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		03/15/11 17:59	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		03/15/11 17:59	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		03/15/11 17:59	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		03/15/11 17:59	106-93-4	
Dibromomethane	ND	ug/L	0.50	1		03/15/11 17:59	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		03/15/11 17:59	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		03/15/11 17:59	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		03/15/11 17:59	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		03/15/11 17:59	110-57-6	
Dichlorodifluoromethane	ND	ug/L	0.50	1		03/15/11 17:59	75-71-8	L3
1,1-Dichloroethane	ND	ug/L	0.50	1		03/15/11 17:59	75-34-3	
1,2-Dichloroethane	ND	ug/L	0.50	1		03/15/11 17:59	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		03/15/11 17:59	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		03/15/11 17:59	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		03/15/11 17:59	156-60-5	
1,2-Dichloropropane	ND	ug/L	4.0	1		03/15/11 17:59	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		03/15/11 17:59	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		03/15/11 17:59	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		03/15/11 17:59	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		03/15/11 17:59	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		03/15/11 17:59	10061-02-6	
Ethylbenzene	**3.4**	ug/L	0.50	1		03/15/11 17:59	100-41-4	
Ethyl methacrylate	ND	ug/L	4.0	1		03/15/11 17:59	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		03/15/11 17:59	87-68-3	
2-Hexanone	ND	ug/L	4.0	1		03/15/11 17:59	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		03/15/11 17:59	98-82-8	
p-Isopropyltoluene	ND	ug/L	0.50	1		03/15/11 17:59	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		03/15/11 17:59	75-09-2	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: 8488
Pace Project No.: 10151578

Sample: 471003 **Lab ID: 10151578001** Collected: 03/04/11 09:20 Received: 03/10/11 12:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV	Analytical Method: EPA 524.2							
Methyl methacrylate	ND	ug/L	4.0	1		03/15/11 17:59	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		03/15/11 17:59	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		03/15/11 17:59	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		03/15/11 17:59	91-20-3	
2-Nitropropane	ND	ug/L	10.0	1		03/15/11 17:59	79-46-9	
n-Propylbenzene	ND	ug/L	0.50	1		03/15/11 17:59	103-65-1	
Styrene	ND	ug/L	0.50	1		03/15/11 17:59	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		03/15/11 17:59	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		03/15/11 17:59	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		03/15/11 17:59	127-18-4	
Toluene	ND	ug/L	0.50	1		03/15/11 17:59	108-88-3	
Total Trihalomethanes (Calc.)	ND	ug/L	3.5	1		03/15/11 17:59		
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		03/15/11 17:59	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		03/15/11 17:59	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		03/15/11 17:59	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		03/15/11 17:59	79-00-5	
Trichloroethene	ND	ug/L	0.50	1		03/15/11 17:59	79-01-6	
Trichlorofluoromethane	ND	ug/L	0.50	1		03/15/11 17:59	75-69-4	L3
1,2,3-Trichloropropane	ND	ug/L	4.0	1		03/15/11 17:59	96-18-4	
1,2,4-Trimethylbenzene	**0.82**	ug/L	0.50	1		03/15/11 17:59	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		03/15/11 17:59	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		03/15/11 17:59	75-01-4	
Xylene (Total)	**2.7**	ug/L	1.5	1		03/15/11 17:59	1330-20-7	
m&p-Xylene	**2.7**	ug/L	1.0	1		03/15/11 17:59	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		03/15/11 17:59	95-47-6	
4-Bromofluorobenzene (S)	97	%	70-130	1		03/15/11 17:59	460-00-4	HS
Dibromofluoromethane (S)	108	%	70-130	1		03/15/11 17:59	1868-53-7	
Toluene-d8 (S)	101	%	70-130	1		03/15/11 17:59	2037-26-5	
1,2-Dichloroethane-d4 (S)	109	%	70-130	1		03/15/11 17:59	17060-07-0	

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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 8488
Pace Project No.: 10151578

Sample: 471004 **Lab ID: 10151578002** Collected: 03/04/11 00:00 Received: 03/10/11 12:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV	Analytical Method: EPA 524.2							
Acetone	ND	ug/L	25.0	1		03/15/11 17:25	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		03/15/11 17:25	107-13-1	
Benzene	ND	ug/L	0.50	1		03/15/11 17:25	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		03/15/11 17:25	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		03/15/11 17:25	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		03/15/11 17:25	75-27-4	
Bromoform	ND	ug/L	4.0	1		03/15/11 17:25	75-25-2	
Bromomethane	ND	ug/L	1.0	1		03/15/11 17:25	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		03/15/11 17:25	78-93-3	
n-Butylbenzene	ND	ug/L	0.50	1		03/15/11 17:25	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		03/15/11 17:25	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		03/15/11 17:25	98-06-6	
Carbon disulfide	ND	ug/L	1.0	1		03/15/11 17:25	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/15/11 17:25	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		03/15/11 17:25	108-90-7	
Chloroethane	ND	ug/L	0.50	1		03/15/11 17:25	75-00-3	
Chloroform	ND	ug/L	0.50	1		03/15/11 17:25	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/15/11 17:25	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	1		03/15/11 17:25	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		03/15/11 17:25	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		03/15/11 17:25	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		03/15/11 17:25	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		03/15/11 17:25	106-93-4	
Dibromomethane	ND	ug/L	0.50	1		03/15/11 17:25	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		03/15/11 17:25	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		03/15/11 17:25	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		03/15/11 17:25	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		03/15/11 17:25	110-57-6	
Dichlorodifluoromethane	ND	ug/L	0.50	1		03/15/11 17:25	75-71-8	L3
1,1-Dichloroethane	ND	ug/L	0.50	1		03/15/11 17:25	75-34-3	
1,2-Dichloroethane	ND	ug/L	0.50	1		03/15/11 17:25	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		03/15/11 17:25	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		03/15/11 17:25	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		03/15/11 17:25	156-60-5	
1,2-Dichloropropane	ND	ug/L	4.0	1		03/15/11 17:25	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		03/15/11 17:25	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		03/15/11 17:25	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		03/15/11 17:25	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		03/15/11 17:25	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		03/15/11 17:25	10061-02-6	
Ethylbenzene	ND	ug/L	0.50	1		03/15/11 17:25	100-41-4	
Ethyl methacrylate	ND	ug/L	4.0	1		03/15/11 17:25	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		03/15/11 17:25	87-68-3	
2-Hexanone	ND	ug/L	4.0	1		03/15/11 17:25	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		03/15/11 17:25	98-82-8	
p-Isopropyltoluene	ND	ug/L	0.50	1		03/15/11 17:25	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		03/15/11 17:25	75-09-2	

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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 8488
Pace Project No.: 10151578

Sample: 471004 **Lab ID: 10151578002** Collected: 03/04/11 00:00 Received: 03/10/11 12:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV	Analytical Method: EPA 524.2							
Methyl methacrylate	ND	ug/L	4.0	1		03/15/11 17:25	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		03/15/11 17:25	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		03/15/11 17:25	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		03/15/11 17:25	91-20-3	
2-Nitropropane	ND	ug/L	10.0	1		03/15/11 17:25	79-46-9	
n-Propylbenzene	ND	ug/L	0.50	1		03/15/11 17:25	103-65-1	
Styrene	ND	ug/L	0.50	1		03/15/11 17:25	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		03/15/11 17:25	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		03/15/11 17:25	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		03/15/11 17:25	127-18-4	
Toluene	ND	ug/L	0.50	1		03/15/11 17:25	108-88-3	
Total Trihalomethanes (Calc.)	ND	ug/L	3.5	1		03/15/11 17:25		
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		03/15/11 17:25	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		03/15/11 17:25	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		03/15/11 17:25	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		03/15/11 17:25	79-00-5	
Trichloroethene	ND	ug/L	0.50	1		03/15/11 17:25	79-01-6	
Trichlorofluoromethane	ND	ug/L	0.50	1		03/15/11 17:25	75-69-4	L3
1,2,3-Trichloropropane	ND	ug/L	4.0	1		03/15/11 17:25	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		03/15/11 17:25	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		03/15/11 17:25	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		03/15/11 17:25	75-01-4	
Xylene (Total)	ND	ug/L	1.5	1		03/15/11 17:25	1330-20-7	
m&p-Xylene	ND	ug/L	1.0	1		03/15/11 17:25	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		03/15/11 17:25	95-47-6	
4-Bromofluorobenzene (S)	96	%	70-130	1		03/15/11 17:25	460-00-4	HS
Dibromofluoromethane (S)	107	%	70-130	1		03/15/11 17:25	1868-53-7	
Toluene-d8 (S)	102	%	70-130	1		03/15/11 17:25	2037-26-5	
1,2-Dichloroethane-d4 (S)	107	%	70-130	1		03/15/11 17:25	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 8488
Pace Project No.: 10151578

QC Batch: MSV/16486 Analysis Method: EPA 524.2
QC Batch Method: EPA 524.2 Analysis Description: 524.2 MSV
Associated Lab Samples: 10151578001, 10151578002

METHOD BLANK: 943046 Matrix: Water
Associated Lab Samples: 10151578001, 10151578002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	0.50	03/15/11 15:44	
1,1,1-Trichloroethane	ug/L	ND	0.50	03/15/11 15:44	
1,1,2,2-Tetrachloroethane	ug/L	ND	0.50	03/15/11 15:44	
1,1,2-Trichloroethane	ug/L	ND	0.50	03/15/11 15:44	
1,1-Dichloroethane	ug/L	ND	0.50	03/15/11 15:44	
1,1-Dichloroethene	ug/L	ND	0.50	03/15/11 15:44	
1,1-Dichloropropene	ug/L	ND	0.50	03/15/11 15:44	
1,2,3-Trichlorobenzene	ug/L	ND	0.50	03/15/11 15:44	
1,2,3-Trichloropropane	ug/L	ND	4.0	03/15/11 15:44	
1,2,4-Trichlorobenzene	ug/L	ND	0.50	03/15/11 15:44	
1,2,4-Trimethylbenzene	ug/L	ND	0.50	03/15/11 15:44	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	03/15/11 15:44	
1,2-Dibromoethane (EDB)	ug/L	ND	0.50	03/15/11 15:44	
1,2-Dichlorobenzene	ug/L	ND	0.50	03/15/11 15:44	
1,2-Dichloroethane	ug/L	ND	0.50	03/15/11 15:44	
1,2-Dichloropropane	ug/L	ND	4.0	03/15/11 15:44	
1,3,5-Trimethylbenzene	ug/L	ND	0.50	03/15/11 15:44	
1,3-Dichlorobenzene	ug/L	ND	0.50	03/15/11 15:44	
1,3-Dichloropropane	ug/L	ND	0.50	03/15/11 15:44	
1,4-Dichlorobenzene	ug/L	ND	0.50	03/15/11 15:44	
2,2-Dichloropropane	ug/L	ND	1.0	03/15/11 15:44	
2-Butanone (MEK)	ug/L	ND	4.0	03/15/11 15:44	
2-Chlorotoluene	ug/L	ND	0.50	03/15/11 15:44	
2-Hexanone	ug/L	ND	4.0	03/15/11 15:44	
2-Nitropropane	ug/L	ND	10.0	03/15/11 15:44	
4-Chlorotoluene	ug/L	ND	0.50	03/15/11 15:44	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	4.0	03/15/11 15:44	
Acetone	ug/L	ND	25.0	03/15/11 15:44	
Acrylonitrile	ug/L	ND	10.0	03/15/11 15:44	
Benzene	ug/L	ND	0.50	03/15/11 15:44	
Bromobenzene	ug/L	ND	0.50	03/15/11 15:44	
Bromochloromethane	ug/L	ND	1.0	03/15/11 15:44	
Bromodichloromethane	ug/L	ND	0.50	03/15/11 15:44	
Bromoform	ug/L	ND	4.0	03/15/11 15:44	
Bromomethane	ug/L	ND	1.0	03/15/11 15:44	
Carbon disulfide	ug/L	ND	1.0	03/15/11 15:44	
Carbon tetrachloride	ug/L	ND	1.0	03/15/11 15:44	
Chlorobenzene	ug/L	ND	0.50	03/15/11 15:44	
Chloroethane	ug/L	ND	0.50	03/15/11 15:44	
Chloroform	ug/L	ND	0.50	03/15/11 15:44	
Chloromethane	ug/L	ND	1.0	03/15/11 15:44	
cis-1,2-Dichloroethene	ug/L	ND	0.50	03/15/11 15:44	
cis-1,3-Dichloropropene	ug/L	ND	0.50	03/15/11 15:44	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 8488
Pace Project No.: 10151578

METHOD BLANK: 943046 Matrix: Water

Associated Lab Samples: 10151578001, 10151578002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/L	ND	0.50	03/15/11 15:44	
Dibromomethane	ug/L	ND	0.50	03/15/11 15:44	
Dichlorodifluoromethane	ug/L	ND	0.50	03/15/11 15:44	
Ethyl methacrylate	ug/L	ND	4.0	03/15/11 15:44	
Ethylbenzene	ug/L	ND	0.50	03/15/11 15:44	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	03/15/11 15:44	
Isopropylbenzene (Cumene)	ug/L	ND	0.50	03/15/11 15:44	
m&p-Xylene	ug/L	ND	1.0	03/15/11 15:44	
Methyl methacrylate	ug/L	ND	4.0	03/15/11 15:44	
Methyl-tert-butyl ether	ug/L	ND	0.50	03/15/11 15:44	
Methylene Chloride	ug/L	ND	4.0	03/15/11 15:44	
n-Butylbenzene	ug/L	ND	0.50	03/15/11 15:44	
n-Propylbenzene	ug/L	ND	0.50	03/15/11 15:44	
Naphthalene	ug/L	ND	1.0	03/15/11 15:44	
o-Xylene	ug/L	ND	0.50	03/15/11 15:44	
p-Isopropyltoluene	ug/L	ND	0.50	03/15/11 15:44	
sec-Butylbenzene	ug/L	ND	0.50	03/15/11 15:44	
Styrene	ug/L	ND	0.50	03/15/11 15:44	
tert-Butylbenzene	ug/L	ND	0.50	03/15/11 15:44	
Tetrachloroethene	ug/L	ND	0.50	03/15/11 15:44	
Toluene	ug/L	ND	0.50	03/15/11 15:44	
Total Trihalomethanes (Calc.)	ug/L	ND	3.5	03/15/11 15:44	
trans-1,2-Dichloroethene	ug/L	ND	0.50	03/15/11 15:44	
trans-1,3-Dichloropropene	ug/L	ND	0.50	03/15/11 15:44	
trans-1,4-Dichloro-2-butene	ug/L	ND	10.0	03/15/11 15:44	
Trichloroethene	ug/L	ND	0.50	03/15/11 15:44	
Trichlorofluoromethane	ug/L	ND	0.50	03/15/11 15:44	
Vinyl chloride	ug/L	ND	0.40	03/15/11 15:44	
Xylene (Total)	ug/L	ND	1.5	03/15/11 15:44	
1,2-Dichloroethane-d4 (S)	%	108	70-130	03/15/11 15:44	
4-Bromofluorobenzene (S)	%	98	70-130	03/15/11 15:44	
Dibromofluoromethane (S)	%	109	70-130	03/15/11 15:44	
Toluene-d8 (S)	%	103	70-130	03/15/11 15:44	

LABORATORY CONTROL SAMPLE & LCSD: 943047 943048

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.2	21.8	101	109	70-130	8	20	
1,1,1-Trichloroethane	ug/L	20	20.0	21.9	100	110	70-130	9	20	
1,1,2,2-Tetrachloroethane	ug/L	20	19.1	20.7	95	103	70-130	8	20	
1,1,2-Trichloroethane	ug/L	20	21.8	24.0	109	120	70-130	9	20	
1,1-Dichloroethane	ug/L	20	18.7	20.5	94	103	70-130	9	20	
1,1-Dichloroethene	ug/L	20	17.4	20.6	87	103	70-130	17	20	
1,1-Dichloropropene	ug/L	20	20.0	21.7	100	109	70-130	9	20	
1,2,3-Trichlorobenzene	ug/L	20	18.8	20.4	94	102	70-130	8	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 8488
Pace Project No.: 10151578

LABORATORY CONTROL SAMPLE & LCSD: 943047 943048

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,3-Trichloropropane	ug/L	20	18.5	19.9	93	100	70-130	7	20	
1,2,4-Trichlorobenzene	ug/L	20	19.2	20.3	96	101	70-130	6	20	
1,2,4-Trimethylbenzene	ug/L	20	18.1	19.3	91	96	70-130	6	20	
1,2-Dibromo-3-chloropropane	ug/L	20	19.0	20.3	95	102	70-130	7	20	
1,2-Dibromoethane (EDB)	ug/L	20	21.3	23.4	107	117	70-130	9	20	
1,2-Dichlorobenzene	ug/L	20	19.5	20.9	97	104	70-130	7	20	
1,2-Dichloroethane	ug/L	20	19.8	22.2	99	111	70-130	11	20	
1,2-Dichloropropane	ug/L	20	17.7	19.3	89	97	70-130	9	20	
1,3,5-Trimethylbenzene	ug/L	20	18.0	18.9	90	94	70-130	5	20	
1,3-Dichlorobenzene	ug/L	20	18.8	20.0	94	100	70-130	6	20	
1,3-Dichloropropane	ug/L	20	22.0	24.2	110	121	70-130	9	20	
1,4-Dichlorobenzene	ug/L	20	18.6	19.8	93	99	70-130	6	20	
2,2-Dichloropropane	ug/L	20	20.8	18.4	104	92	70-130	12	20	
2-Butanone (MEK)	ug/L	20	19.8	19.2	99	96	70-130	3	20	
2-Chlorotoluene	ug/L	20	18.1	19.2	90	96	70-130	6	20	
2-Hexanone	ug/L	20	22.5	18.9	112	95	70-130	17	20	
2-Nitropropane	ug/L	50	47.5	53.0	95	106	70-130	11	20	
4-Chlorotoluene	ug/L	20	18.8	19.8	94	99	70-130	5	20	
4-Methyl-2-pentanone (MIBK)	ug/L	20	17.7	19.3	88	97	70-130	9	20	
Acetone	ug/L	50	52.2	39.1	104	78	70-130	29	20	D6
Acrylonitrile	ug/L	200	162	180	81	90	70-130	10	20	
Benzene	ug/L	20	19.1	20.9	95	105	70-130	9	20	
Bromobenzene	ug/L	20	18.6	19.5	93	98	70-130	5	20	
Bromochloromethane	ug/L	20	19.1	20.9	95	105	70-130	9	20	
Bromodichloromethane	ug/L	20	20.3	22.3	102	111	70-130	9	20	
Bromoform	ug/L	20	20.2	22.0	101	110	70-130	9	20	
Bromomethane	ug/L	20	15.0	22.2	75	111	70-130	39	20	D6
Carbon disulfide	ug/L	20	19.9	22.2	100	111	70-130	11	20	
Carbon tetrachloride	ug/L	20	18.8	20.5	94	102	70-130	9	20	
Chlorobenzene	ug/L	20	18.9	20.5	94	103	70-130	9	20	
Chloroethane	ug/L	20	18.6	23.7	93	118	70-130	24	20	D6
Chloroform	ug/L	20	20.1	22.1	100	111	70-130	10	20	
Chloromethane	ug/L	20	15.4	20.0	77	100	70-130	26	20	D6
cis-1,2-Dichloroethene	ug/L	20	18.3	19.7	91	99	70-130	8	20	
cis-1,3-Dichloropropene	ug/L	20	20.7	21.9	103	109	70-130	6	20	
Dibromochloromethane	ug/L	20	19.9	21.6	99	108	70-130	9	20	
Dibromomethane	ug/L	20	19.1	20.9	95	105	70-130	9	20	
Dichlorodifluoromethane	ug/L	20	20.8	27.0	104	135	70-130	26	20	CH,D6,L0
Ethyl methacrylate	ug/L	20	20.7	21.3	103	106	70-130	3	20	
Ethylbenzene	ug/L	20	20.4	22.0	102	110	70-130	7	20	
Hexachloro-1,3-butadiene	ug/L	10	9.9	9.7	99	97	70-130	2	20	
Isopropylbenzene (Cumene)	ug/L	20	20.1	21.8	100	109	70-130	8	20	
m&p-Xylene	ug/L	40	40.6	44.1	102	110	70-130	8	20	
Methyl methacrylate	ug/L	20	18.1	19.9	91	99	70-130	9	20	
Methyl-tert-butyl ether	ug/L	20	17.1	18.9	85	94	70-130	10	20	
Methylene Chloride	ug/L	20	19.3	21.4	97	107	70-130	10	20	
n-Butylbenzene	ug/L	20	20.1	20.7	101	104	70-130	3	20	
n-Propylbenzene	ug/L	20	19.1	19.8	95	99	70-130	4	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 8488
Pace Project No.: 10151578

LABORATORY CONTROL SAMPLE & LCSD: 943047 943048

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Naphthalene	ug/L	20	18.7	20.3	94	101	70-130	8	20	
o-Xylene	ug/L	20	20.4	22.0	102	110	70-130	7	20	
p-Isopropyltoluene	ug/L	20	18.5	19.5	93	97	70-130	5	20	
sec-Butylbenzene	ug/L	20	18.0	19.2	90	96	70-130	6	20	
Styrene	ug/L	20	20.7	22.6	103	113	70-130	9	20	
tert-Butylbenzene	ug/L	20	18.3	19.4	91	97	70-130	6	20	
Tetrachloroethene	ug/L	20	20.1	21.4	100	107	70-130	6	20	
Toluene	ug/L	20	19.8	21.4	99	107	70-130	8	20	
Total Trihalomethanes (Calc.)	ug/L	100	80.5	88.1	80	88	70-130	9	20	
trans-1,2-Dichloroethene	ug/L	20	17.6	19.6	88	98	70-130	11	20	
trans-1,3-Dichloropropene	ug/L	20	21.6	23.1	108	116	70-130	7	20	
trans-1,4-Dichloro-2-butene	ug/L	50	42.4	42.1	85	84	70-130	.7	20	
Trichloroethene	ug/L	20	18.0	19.1	90	95	70-130	6	20	
Trichlorofluoromethane	ug/L	20	22.1	28.1	110	141	70-130	24	20	CH,D6,L0
Vinyl chloride	ug/L	20	18.6	23.7	93	119	70-130	24	20	D6
Xylene (Total)	ug/L	60	61.1	66.1	102	110	70-130	8	20	
1,2-Dichloroethane-d4 (S)	%				105	108	70-130			
4-Bromofluorobenzene (S)	%				94	91	70-130			
Dibromofluoromethane (S)	%				106	109	70-130			
Toluene-d8 (S)	%				101	102	70-130			

MATRIX SPIKE SAMPLE: 943049

Parameter	Units	10151499009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	20	19.4	97	70-130	
1,1,1-Trichloroethane	ug/L	ND	20	19.9	99	70-130	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	18.2	91	70-130	
1,1,2-Trichloroethane	ug/L	ND	20	21.2	106	70-130	
1,1-Dichloroethane	ug/L	ND	20	18.6	93	70-130	
1,1-Dichloroethene	ug/L	ND	20	17.6	88	70-130	
1,1-Dichloropropene	ug/L	ND	20	19.9	100	70-130	
1,2,3-Trichlorobenzene	ug/L	ND	20	17.4	87	70-130	
1,2,3-Trichloropropane	ug/L	ND	20	17.5	88	70-130	
1,2,4-Trichlorobenzene	ug/L	ND	20	17.2	86	70-130	
1,2,4-Trimethylbenzene	ug/L	ND	20	16.6	83	70-130	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	18.3	91	70-130	
1,2-Dibromoethane (EDB)	ug/L	ND	20	20.6	103	70-130	
1,2-Dichlorobenzene	ug/L	ND	20	18.2	91	70-130	
1,2-Dichloroethane	ug/L	ND	20	19.4	97	70-130	
1,2-Dichloropropane	ug/L	ND	20	17.2	86	70-130	
1,3,5-Trimethylbenzene	ug/L	ND	20	16.3	81	70-130	
1,3-Dichlorobenzene	ug/L	ND	20	17.4	87	70-130	
1,3-Dichloropropane	ug/L	ND	20	21.3	106	70-130	
1,4-Dichlorobenzene	ug/L	ND	20	17.2	86	70-130	
2,2-Dichloropropane	ug/L	ND	20	10.5	52	70-130	M1
2-Butanone (MEK)	ug/L	ND	20	17.2	86	70-130	
2-Chlorotoluene	ug/L	ND	20	17.0	85	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 8488
Pace Project No.: 10151578

MATRIX SPIKE SAMPLE: 943049

Parameter	Units	10151499009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
2-Hexanone	ug/L	ND	20	16.6	83	70-130	
2-Nitropropane	ug/L	ND	50	47.2	94	70-130	
4-Chlorotoluene	ug/L	ND	20	17.3	87	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	20	17.1	85	70-130	
Acetone	ug/L	ND	50	36.1	72	70-130	
Acrylonitrile	ug/L	ND	200	159	80	70-130	
Benzene	ug/L	ND	20	18.6	93	70-130	
Bromobenzene	ug/L	ND	20	17.2	86	70-130	
Bromochloromethane	ug/L	ND	20	18.8	94	70-130	
Bromodichloromethane	ug/L	ND	20	19.1	95	70-130	
Bromoform	ug/L	ND	20	18.3	92	70-130	
Bromomethane	ug/L	ND	20	16.0	80	70-130	
Carbon disulfide	ug/L	ND	20	13.8	69	70-130	M1
Carbon tetrachloride	ug/L	ND	20	18.3	91	70-130	
Chlorobenzene	ug/L	ND	20	18.2	91	70-130	
Chloroethane	ug/L	ND	20	19.8	99	70-130	
Chloroform	ug/L	ND	20	19.6	98	70-130	
Chloromethane	ug/L	ND	20	16.6	83	70-130	
cis-1,2-Dichloroethene	ug/L	ND	20	17.4	87	70-130	
cis-1,3-Dichloropropene	ug/L	ND	20	16.4	82	70-130	
Dibromochloromethane	ug/L	ND	20	18.3	92	70-130	
Dibromomethane	ug/L	ND	20	18.5	93	70-130	
Dichlorodifluoromethane	ug/L	ND	20	23.6	118	70-130	CH
Ethyl methacrylate	ug/L	ND	20	18.9	94	70-130	
Ethylbenzene	ug/L	ND	20	19.5	97	70-130	
Hexachloro-1,3-butadiene	ug/L	ND	10	8.2	82	70-130	
Isopropylbenzene (Cumene)	ug/L	ND	20	19.6	98	70-130	
m&p-Xylene	ug/L		40	38.6	96	70-130	
Methyl methacrylate	ug/L	ND	20	17.5	88	70-130	
Methyl-tert-butyl ether	ug/L	ND	20	16.9	84	70-130	
Methylene Chloride	ug/L	ND	20	18.3	92	70-130	
n-Butylbenzene	ug/L	ND	20	18.0	90	70-130	
n-Propylbenzene	ug/L	ND	20	17.6	88	70-130	
Naphthalene	ug/L	ND	20	17.7	89	70-130	
o-Xylene	ug/L		20	19.7	99	70-130	
p-Isopropyltoluene	ug/L	ND	20	17.1	86	70-130	
sec-Butylbenzene	ug/L	ND	20	16.9	84	70-130	
Styrene	ug/L	ND	20	19.5	97	70-130	
tert-Butylbenzene	ug/L	ND	20	17.4	87	70-130	
Tetrachloroethene	ug/L	ND	20	19.3	96	70-130	
Toluene	ug/L	ND	20	19.1	95	70-130	
Total Trihalomethanes (Calc.)	ug/L	ND	100	75.4	75	70-130	
trans-1,2-Dichloroethene	ug/L	ND	20	17.3	87	70-130	
trans-1,3-Dichloropropene	ug/L	ND	20	18.1	90	70-130	
trans-1,4-Dichloro-2-butene	ug/L	ND	50	27.1	54	70-130	M1
Trichloroethene	ug/L	ND	20	17.0	85	70-130	
Trichlorofluoromethane	ug/L	ND	20	24.6	123	70-130	CH
Vinyl chloride	ug/L	ND	20	19.8	99	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
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(612)607-1700

QUALITY CONTROL DATA

Project: 8488
Pace Project No.: 10151578

MATRIX SPIKE SAMPLE: 943049

Parameter	Units	10151499009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	ND	60	58.3	97	70-130	
1,2-Dichloroethane-d4 (S)	%				108	70-130	
4-Bromofluorobenzene (S)	%				92	70-130	
Dibromofluoromethane (S)	%				109	70-130	
Toluene-d8 (S)	%				101	70-130	

SAMPLE DUPLICATE: 943050

Parameter	Units	10151499010 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	ND		20	
1,1,1-Trichloroethane	ug/L	ND	ND		20	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		20	
1,1,2-Trichloroethane	ug/L	ND	ND		20	
1,1-Dichloroethane	ug/L	ND	ND		20	
1,1-Dichloroethene	ug/L	ND	ND		20	
1,1-Dichloropropene	ug/L	ND	ND		20	
1,2,3-Trichlorobenzene	ug/L	ND	ND		20	
1,2,3-Trichloropropane	ug/L	ND	ND		20	
1,2,4-Trichlorobenzene	ug/L	ND	ND		20	
1,2,4-Trimethylbenzene	ug/L	ND	ND		20	
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		20	
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1,2-Dichlorobenzene	ug/L	ND	ND		20	
1,2-Dichloroethane	ug/L	ND	ND		20	
1,2-Dichloropropane	ug/L	ND	ND		20	
1,3,5-Trimethylbenzene	ug/L	ND	ND		20	
1,3-Dichlorobenzene	ug/L	ND	ND		20	
1,3-Dichloropropane	ug/L	ND	ND		20	
1,4-Dichlorobenzene	ug/L	ND	ND		20	
2,2-Dichloropropane	ug/L	ND	ND		20	
2-Butanone (MEK)	ug/L	ND	ND		20	
2-Chlorotoluene	ug/L	ND	ND		20	
2-Hexanone	ug/L	ND	ND		20	
2-Nitropropane	ug/L	ND	ND		20	
4-Chlorotoluene	ug/L	ND	ND		20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		20	
Acetone	ug/L	ND	ND		20	
Acrylonitrile	ug/L	ND	ND		20	
Benzene	ug/L	ND	ND		20	
Bromobenzene	ug/L	ND	ND		20	
Bromochloromethane	ug/L	ND	ND		20	
Bromodichloromethane	ug/L	ND	ND		20	
Bromoform	ug/L	ND	ND		20	
Bromomethane	ug/L	ND	ND		20	
Carbon disulfide	ug/L	ND	ND		20	
Carbon tetrachloride	ug/L	ND	ND		20	
Chlorobenzene	ug/L	ND	ND		20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
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(612)607-1700

QUALITY CONTROL DATA

Project: 8488
Pace Project No.: 10151578

SAMPLE DUPLICATE: 943050

Parameter	Units	10151499010 Result	Dup Result	RPD	Max RPD	Qualifiers
Chloroethane	ug/L	ND	ND		20	
Chloroform	ug/L	ND	ND		20	
Chloromethane	ug/L	ND	ND		20	
cis-1,2-Dichloroethene	ug/L	ND	ND		20	
cis-1,3-Dichloropropene	ug/L	ND	ND		20	
Dibromochloromethane	ug/L	ND	ND		20	
Dibromomethane	ug/L	ND	ND		20	
Dichlorodifluoromethane	ug/L	ND	ND		20	
Ethyl methacrylate	ug/L	ND	ND		20	
Ethylbenzene	ug/L	ND	ND		20	
Hexachloro-1,3-butadiene	ug/L	ND	ND		20	
Isopropylbenzene (Cumene)	ug/L	ND	ND		20	
m&p-Xylene	ug/L		ND		20	
Methyl methacrylate	ug/L	ND	ND		20	
Methyl-tert-butyl ether	ug/L	ND	ND		20	
Methylene Chloride	ug/L	ND	ND		20	
n-Butylbenzene	ug/L	ND	ND		20	
n-Propylbenzene	ug/L	ND	ND		20	
Naphthalene	ug/L	ND	ND		20	
o-Xylene	ug/L		ND		20	
p-Isopropyltoluene	ug/L	ND	ND		20	
sec-Butylbenzene	ug/L	ND	ND		20	
Styrene	ug/L	ND	ND		20	
tert-Butylbenzene	ug/L	ND	ND		20	
Tetrachloroethene	ug/L	ND	ND		20	
Toluene	ug/L	ND	ND		20	
Total Trihalomethanes (Calc.)	ug/L	ND	ND		20	
trans-1,2-Dichloroethene	ug/L	ND	ND		20	
trans-1,3-Dichloropropene	ug/L	ND	ND		20	
trans-1,4-Dichloro-2-butene	ug/L	ND	ND		20	
Trichloroethene	ug/L	ND	ND		20	
Trichlorofluoromethane	ug/L	ND	ND		20	
Vinyl chloride	ug/L	ND	ND		20	
Xylene (Total)	ug/L	ND	ND		20	
1,2-Dichloroethane-d4 (S)	%	110	110	.3		
4-Bromofluorobenzene (S)	%	96	96	.7		
Dibromofluoromethane (S)	%	111	109	1		
Toluene-d8 (S)	%	102	101	.8		

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALIFIERS

Project: 8488
Pace Project No.: 10151578

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

ANALYTE QUALIFIERS

CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
D6	The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
HS	Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

Pace Analytical Services, Inc.
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 8488
Pace Project No.: 10151578

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10151578001	471003	EPA 524.2	MSV/16486		
10151578002	471004	EPA 524.2	MSV/16486		

Northeast Technical Services
315 Chestnut Street
PO Box 1142
Virginia, MN 55792
Phone: 218-741-4290
Fax: 218-742-1010

10151578

Chain of Custody Record

Analysis to be performed by: Pace

P.O.# L11-59.15

COC:	NTS COC: 112708 NTS Project: #8488 NTS Project Desc:

Sample	Collected		Type	Fil	Matrix	Location	Containers	Analyses
471003	3/4/2011	9:20:00 AM	Grab		Potable Water	Swenson Potable Well		VOC 524.2 10151578001
471004	3/4/2011		Grab		Potable Water	Trip Blank		VOC 524.2 002

Relinquished By: (Signature)	Date	Time	Received By: (Signature)	Remarks:
Carrie Otto	3-9-11	1200		
Relinquished By: (Signature)	Date	Time	Received By: (Signature)	
Received for Lab By: (Signature)	Date	Time	Temp at Arrival:	
JAC	3/10/11	1215	0.2 °C	

*Samples from Wisconsin

CSI

Sample Condition Upon Receipt

Pace Analytical

Client Name: NTS Project # 10185178

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☑ Commercial ☐ Pace Other Speedee

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals Intact: ☐ yes ☐ no

Optional: Proj. Due Date: Proj. Name:

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other _____ Temp Blank: Yes ✓ No _____

Thermometer Used 80344042 or 179425 Type of Ice: (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 0.2 Biological Tissue is Frozen: Yes No

Date and initials of person examining contents: 3/10/11

Temp should be above freezing to 6°C Comments:

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☐Yes ☑No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☐Yes ☑No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: WT		
All containers needing acid/base preservation have been checked. Noncompliance are noted in 13.	☐Yes ☐No ☑N/A	13. ☐ HNO3 ☐ H2SO4 ☐ NaOH ☐ HCl
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	Samp #
Exceptions: VOA, Coliform, TOC, Oil and Grease, WI-DRO (water)	☑Yes ☐No	Initial when completed ✓ / Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☑Yes ☐No ☐N/A	15. all 6 vials
Trip Blank Present:	☐Yes ☑No ☐N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased): _____		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [signature] Date: 3/16/11

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR.

Pace Analytical Services, Inc.
1700 Elm Street SE, Suite 200, Minneapolis, MN 55414

SIEMENS

Company Name	Project
Carlson McCain, Inc.	Moose Junction Lounge (#2490-00)
Report Mailing Address 1011 E Central Entrance, Suite 100 Duluth, MN 55811	**Contact Name, Phone, Fax, Email** Bill Sahn bjahn@carlsonmccain.com (218) 625-7004
Invoice Address Zino Lakes address	**Purchase Order #** —
Invoice Contact and Phone No. Stephanie Symoniak (763) 489-7900	

Matrix: Drinking Water (3) Groundwater Wastewater Soil/Solid Other: _____

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

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

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

WO No. 1107320

Lab Use Only	Sample Date	Sample Time	No. of Containers Comp	No. of Containers Grab	Sample ID	Analyses Requested: PVOCs+Naphth.	Analyses Requested: VOCs
-1	7/22/11	3:10		3	MW-1	X	
-2		3:40		3	MW-2	X	
-3		1:55		3	MW-4	X	
-4		2:35		3	MW-5R	X	
-5		—		2	Trip Blank	X	
-6		1:15		6	Swenson Potable		X
-7	↓	—		2	Trip Blank		X

Lab Use Only

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

Sample Receiving Comments: Rec'd w/ custody seal intact 1.8°

Comments

3 vials HCl

↓

2 vials HCl

05-11-11 PB 164

drinking water 3 vials HCl

2 vials HCl

Chain of Custody Record

Relinquished By:	Date	Time	Received By:
[signature]	7/25/11		
	7-26-11	1536	[signature]

SIEMENS

August 03, 2011

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

Attn: Bill Jahn

REPORT NO.: 1107320 **PROJECT NO.: 2490-00 Moose Junction Lounge**

Please find enclosed the analytical report, including the Sample Summary, Sample Narrative and Chain of Custody for your sample set received July 26, 2011.

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 Program. Exceptions, if any, are discussed in the sample narrative. Samples will be retained for 30 days from the date of this report, then disposed in an appropriate manner. Siemens 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

SAMPLE SUMMARY

Lab Id	Client Sample Id	Date/Time	Matrix
1107320-01	MW-1	07/22/11 15:10	Ground Water
1107320-02	MW-2	07/22/11 15:40	Ground Water
1107320-03	MW-4	07/22/11 13:55	Ground Water
1107320-04	MW-5R	07/22/11 14:35	Ground Water
1107320-05	Trip Blank	07/22/11 00:00	Water
1107320-06	Swenson Potable	07/22/11 13:15	Drinking Water
1107320-07	Trip Blank	07/22/11 00:00	Water

SIEMENS

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

PROJECT NO. : 2490-00 Moose Junction Lounge
REPORT NO. : 1107320
DATE REC'D: 07/26/11 15:36
REPORT DATE : 08/03/11 16:27
PREPARED BY : BMS

Attn: Bill Jahn

Sample ID: **MW-1** Matrix: **Ground Water** Sample Date/Time: **07/22/11 15:10** Lab No. : **1107320-01**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	ug/L	0.400	2.00	1		08/02/11	ALZ
1,3,5-Trimethylbenzene	ND	ug/L	0.440	2.00	1		08/02/11	ALZ
Benzene	ND	ug/L	0.310	2.00	1		08/02/11	ALZ
Ethylbenzene	ND	ug/L	0.500	2.00	1		08/02/11	ALZ
m&p-Xylene	ND	ug/L	0.620	2.10	1		08/02/11	ALZ
Methyl Tert Butyl Ether	ND	ug/L	0.300	2.00	1		08/02/11	ALZ
Naphthalene	ND	ug/L	2.00	2.66	1		08/02/11	ALZ
o-Xylene	ND	ug/L	0.770	2.00	1		08/02/11	ALZ
Toluene	ND	ug/L	0.370	2.00	1		08/02/11	ALZ

Sample ID: **MW-2** Matrix: **Ground Water** Sample Date/Time: **07/22/11 15:40** Lab No. : **1107320-02**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	1280	ug/L	40.0	200	100		08/02/11	ALZ
1,3,5-Trimethylbenzene	533	ug/L	44.0	200	100		08/02/11	ALZ
Benzene	7310	ug/L	31.0	200	100		08/02/11	ALZ
Ethylbenzene	1110	ug/L	50.0	200	100		08/02/11	ALZ
m&p-Xylene	7330	ug/L	62.0	210	100		08/02/11	ALZ
Methyl Tert Butyl Ether	ND	ug/L	30.0	200	100		08/02/11	ALZ
Naphthalene	352	ug/L	200	266	100		08/02/11	ALZ
o-Xylene	3760	ug/L	77.0	200	100		08/02/11	ALZ
Toluene	9780	ug/L	37.0	200	100		08/02/11	ALZ

SIEMENS

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

PROJECT NO. : 2490-00 Moose Junction Lounge
REPORT NO. : 1107320
DATE REC'D: 07/26/11 15:36
REPORT DATE : 08/03/11 16:27
PREPARED BY : BMS

Attn: Bill Jahn

Sample ID: **MW-4** Matrix: **Ground Water** Sample Date/Time: **07/22/11 13:55** Lab No. : **1107320-03**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	ug/L	0.400	2.00	1		08/02/11	ALZ
1,3,5-Trimethylbenzene	ND	ug/L	0.440	2.00	1		08/02/11	ALZ
Benzene	70.6	ug/L	0.310	2.00	1		08/02/11	ALZ
Ethylbenzene	ND	ug/L	0.500	2.00	1		08/02/11	ALZ
m&p-Xylene	ND	ug/L	0.620	2.10	1		08/02/11	ALZ
Methyl Tert Butyl Ether	ND	ug/L	0.300	2.00	1		08/02/11	ALZ
Naphthalene	ND	ug/L	2.00	2.66	1		08/02/11	ALZ
o-Xylene	ND	ug/L	0.770	2.00	1		08/02/11	ALZ
Toluene	0.448	ug/L	0.370	2.00	1	J	08/02/11	ALZ

Sample ID: **MW-5R** Matrix: **Ground Water** Sample Date/Time: **07/22/11 14:35** Lab No. : **1107320-04**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	ug/L	0.400	2.00	1		08/02/11	ALZ
1,3,5-Trimethylbenzene	ND	ug/L	0.440	2.00	1		08/02/11	ALZ
Benzene	ND	ug/L	0.310	2.00	1		08/02/11	ALZ
Ethylbenzene	ND	ug/L	0.500	2.00	1		08/02/11	ALZ
m&p-Xylene	ND	ug/L	0.620	2.10	1		08/02/11	ALZ
Methyl Tert Butyl Ether	ND	ug/L	0.300	2.00	1		08/02/11	ALZ
Naphthalene	ND	ug/L	2.00	2.66	1		08/02/11	ALZ
o-Xylene	ND	ug/L	0.770	2.00	1		08/02/11	ALZ
Toluene	ND	ug/L	0.370	2.00	1		08/02/11	ALZ

SIEMENS

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

PROJECT NO. : 2490-00 Moose Junction Lounge
REPORT NO. : 1107320
DATE REC'D: 07/26/11 15:36
REPORT DATE : 08/03/11 16:27
PREPARED BY : BMS

Attn: Bill Jahn

Sample ID: **Trip Blank** Matrix: **Water** Sample Date/Time: **07/22/11 0:00** Lab No. : **1107320-05**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	ug/L	0.400	2.00	1		08/02/11	ALZ
1,3,5-Trimethylbenzene	ND	ug/L	0.440	2.00	1		08/02/11	ALZ
Benzene	ND	ug/L	0.310	2.00	1		08/02/11	ALZ
Ethylbenzene	ND	ug/L	0.500	2.00	1		08/02/11	ALZ
m&p-Xylene	ND	ug/L	0.620	2.10	1		08/02/11	ALZ
Methyl Tert Butyl Ether	ND	ug/L	0.300	2.00	1		08/02/11	ALZ
Naphthalene	ND	ug/L	2.00	2.66	1		08/02/11	ALZ
o-Xylene	ND	ug/L	0.770	2.00	1		08/02/11	ALZ
Toluene	ND	ug/L	0.370	2.00	1		08/02/11	ALZ

SIEMENS

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

PROJECT NO. : 2490-00 Moose Junction Lounge
REPORT NO. : 1107320
DATE REC'D: 07/26/11 15:36
REPORT DATE : 08/03/11 16:27
PREPARED BY : BMS

Attn: Bill Jahn

Sample ID: **Swenson Potable** Matrix: **Drinking Water** Sample Date/Time: **07/22/11 13:15** Lab No. : **1107320-06**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 524.2								
1,1,1,2-Tetrachloroethane	ND	ug/L	0.30	1.00	1		07/28/11	MRD
1,1,1-Trichloroethane	ND	ug/L	0.50	1.70	1		07/28/11	MRD
1,1,2,2-Tetrachloroethane	ND	ug/L	0.40	1.30	1		07/28/11	MRD
1,1,2-Trichloroethane	ND	ug/L	0.40	1.30	1		07/28/11	MRD
1,1-Dichloroethane	ND	ug/L	0.40	1.30	1		07/28/11	MRD
1,1-Dichloroethylene	ND	ug/L	0.40	1.30	1		07/28/11	MRD
1,1-Dichloropropylene	ND	ug/L	0.80	2.70	1		07/28/11	MRD
1,2,3-Trichloropropane	ND	ug/L	1.00	3.30	1		07/28/11	MRD
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1.70	1		07/28/11	MRD
1,2,4-Trimethylbenzene	ND	ug/L	0.20	1.00	1		07/28/11	MRD
1,2-Dichlorobenzene	ND	ug/L	0.80	2.70	1		07/28/11	MRD
1,2-Dichloroethane	ND	ug/L	0.30	1.00	1		07/28/11	MRD
1,2-Dichloropropane	ND	ug/L	0.40	1.30	1		07/28/11	MRD
1,3,5-Trimethylbenzene	ND	ug/L	0.20	1.00	1		07/28/11	MRD
1,3-Dichlorobenzene	ND	ug/L	0.20	1.00	1		07/28/11	MRD
1,3-Dichloropropane	ND	ug/L	0.20	1.00	1		07/28/11	MRD
1,4-Dichlorobenzene	ND	ug/L	0.80	2.70	1		07/28/11	MRD
2,2-Dichloropropane	ND	ug/L	1.00	3.30	1		07/28/11	MRD
2-Chlorotoluene	ND	ug/L	0.30	1.00	1		07/28/11	MRD
4-Chlorotoluene	ND	ug/L	0.30	1.00	1		07/28/11	MRD
4-Isopropyltoluene	ND	ug/L	0.40	1.33	1		07/28/11	MRD
Benzene	ND	ug/L	0.20	1.00	1		07/28/11	MRD
Bromobenzene	ND	ug/L	0.30	1.00	1		07/28/11	MRD
Bromodichloromethane	ND	ug/L	0.40	1.30	1		07/28/11	MRD
Bromoform	ND	ug/L	0.20	1.00	1		07/28/11	MRD
Bromomethane	ND	ug/L	1.00	3.30	1		07/28/11	MRD
Carbon Tetrachloride	ND	ug/L	0.30	1.00	1		07/28/11	MRD
Chlorobenzene	ND	ug/L	0.20	1.00	1		07/28/11	MRD
Chloroethane	ND	ug/L	0.70	2.30	1		07/28/11	MRD
Chloroform	ND	ug/L	0.20	1.00	1		07/28/11	MRD
Chloromethane	ND	ug/L	0.40	1.30	1		07/28/11	MRD
cis-1,2-Dichloroethylene	ND	ug/L	0.40	1.30	1		07/28/11	MRD
cis-1,3-Dichloropropylene	ND	ug/L	0.20	1.00	1		07/28/11	MRD
Dibromochloromethane	ND	ug/L	0.40	1.30	1		07/28/11	MRD
Dibromomethane	ND	ug/L	0.40	1.30	1		07/28/11	MRD
Dichlorodifluoromethane	ND	ug/L	0.30	1.00	1		07/28/11	MRD
Ethylbenzene	ND	ug/L	0.20	1.00	1		07/28/11	MRD
Hexachlorobutadiene	ND	ug/L	1.00	3.30	1		07/28/11	MRD
Isopropylbenzene (Cumene)	ND	ug/L	0.20	1.00	1		07/28/11	MRD
Methylene Chloride	ND	ug/L	0.40	1.30	1		07/28/11	MRD
Methyl-tert-Butyl Ether	ND	ug/L	0.50	2.00	1		07/28/11	MRD

SIEMENS

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

Attn: Bill Jahn

PROJECT NO. : 2490-00 Moose Junction Lounge
REPORT NO. : 1107320
DATE REC'D: 07/26/11 15:36
REPORT DATE : 08/03/11 16:27
PREPARED BY : BMS

Sample ID: **Swenson Potable** Matrix: **Drinking Water** Sample Date/Time: **07/22/11 13:15** Lab No. : **1107320-06**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 524.2 Continued								
Naphthalene	ND	ug/L	1.00	3.30	1		07/28/11	MRD
Styrene	ND	ug/L	0.10	1.00	1		07/28/11	MRD
Tetrachloroethene	ND	ug/L	0.30	1.00	1		07/28/11	MRD
Toluene	ND	ug/L	0.40	1.30	1		07/28/11	MRD
trans-1,2-Dichloroethylene	ND	ug/L	0.50	1.70	1		07/28/11	MRD
trans-1,3-Dichloropropylene	ND	ug/L	0.40	1.30	1		07/28/11	MRD
Trichloroethene	ND	ug/L	0.40	1.30	1		07/28/11	MRD
Vinyl chloride	ND	ug/L	0.20	1.00	1		07/28/11	MRD
Xylenes, (Total)	ND	ug/L	1.00	1.00	1		07/28/11	MRD

SIEMENS

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

PROJECT NO. : 2490-00 Moose Junction Lounge
REPORT NO. : 1107320
DATE REC'D: 07/26/11 15:36
REPORT DATE : 08/03/11 16:27
PREPARED BY : BMS

Attn: Bill Jahn

Sample ID: **Trip Blank** Matrix: **Water** Sample Date/Time: **07/22/11 0:00** Lab No. : **1107320-07**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 524.2								
1,1,1,2-Tetrachloroethane	ND	ug/L	0.30	1.00	1		07/28/11	MRD
1,1,1-Trichloroethane	ND	ug/L	0.50	1.70	1		07/28/11	MRD
1,1,2,2-Tetrachloroethane	ND	ug/L	0.40	1.30	1		07/28/11	MRD
1,1,2-Trichloroethane	ND	ug/L	0.40	1.30	1		07/28/11	MRD
1,1-Dichloroethane	ND	ug/L	0.40	1.30	1		07/28/11	MRD
1,1-Dichloroethylene	ND	ug/L	0.40	1.30	1		07/28/11	MRD
1,1-Dichloropropylene	ND	ug/L	0.80	2.70	1		07/28/11	MRD
1,2,3-Trichloropropane	ND	ug/L	1.00	3.30	1		07/28/11	MRD
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1.70	1		07/28/11	MRD
1,2,4-Trimethylbenzene	ND	ug/L	0.20	1.00	1		07/28/11	MRD
1,2-Dichlorobenzene	ND	ug/L	0.80	2.70	1		07/28/11	MRD
1,2-Dichloroethane	ND	ug/L	0.30	1.00	1		07/28/11	MRD
1,2-Dichloropropane	ND	ug/L	0.40	1.30	1		07/28/11	MRD
1,3,5-Trimethylbenzene	ND	ug/L	0.20	1.00	1		07/28/11	MRD
1,3-Dichlorobenzene	ND	ug/L	0.20	1.00	1		07/28/11	MRD
1,3-Dichloropropane	ND	ug/L	0.20	1.00	1		07/28/11	MRD
1,4-Dichlorobenzene	ND	ug/L	0.80	2.70	1		07/28/11	MRD
2,2-Dichloropropane	ND	ug/L	1.00	3.30	1		07/28/11	MRD
2-Chlorotoluene	ND	ug/L	0.30	1.00	1		07/28/11	MRD
4-Chlorotoluene	ND	ug/L	0.30	1.00	1		07/28/11	MRD
4-Isopropyltoluene	ND	ug/L	0.40	1.33	1		07/28/11	MRD
Benzene	ND	ug/L	0.20	1.00	1		07/28/11	MRD
Bromobenzene	ND	ug/L	0.30	1.00	1		07/28/11	MRD
Bromodichloromethane	ND	ug/L	0.40	1.30	1		07/28/11	MRD
Bromoform	ND	ug/L	0.20	1.00	1		07/28/11	MRD
Bromomethane	ND	ug/L	1.00	3.30	1		07/28/11	MRD
Carbon Tetrachloride	ND	ug/L	0.30	1.00	1		07/28/11	MRD
Chlorobenzene	ND	ug/L	0.20	1.00	1		07/28/11	MRD
Chloroethane	ND	ug/L	0.70	2.30	1		07/28/11	MRD
Chloroform	ND	ug/L	0.20	1.00	1		07/28/11	MRD
Chloromethane	ND	ug/L	0.40	1.30	1		07/28/11	MRD
cis-1,2-Dichloroethylene	ND	ug/L	0.40	1.30	1		07/28/11	MRD
cis-1,3-Dichloropropylene	ND	ug/L	0.20	1.00	1		07/28/11	MRD
Dibromochloromethane	ND	ug/L	0.40	1.30	1		07/28/11	MRD
Dibromomethane	ND	ug/L	0.40	1.30	1		07/28/11	MRD
Dichlorodifluoromethane	ND	ug/L	0.30	1.00	1		07/28/11	MRD
Ethylbenzene	ND	ug/L	0.20	1.00	1		07/28/11	MRD
Hexachlorobutadiene	ND	ug/L	1.00	3.30	1		07/28/11	MRD
Isopropylbenzene (Cumene)	ND	ug/L	0.20	1.00	1		07/28/11	MRD
Methylene Chloride	ND	ug/L	0.40	1.30	1		07/28/11	MRD
Methyl-tert-Butyl Ether	ND	ug/L	0.50	2.00	1		07/28/11	MRD

SIEMENS

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

PROJECT NO. : 2490-00 Moose Junction Lounge
REPORT NO. : 1107320
DATE REC'D: 07/26/11 15:36
REPORT DATE : 08/03/11 16:27
PREPARED BY : BMS

Attn: Bill Jahn

Sample ID: **Trip Blank** Matrix: **Water** Sample Date/Time: **07/22/11 0:00** Lab No. : **1107320-07**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 524.2 Continued								
Naphthalene	ND	ug/L	1.00	3.30	1		07/28/11	MRD
Styrene	ND	ug/L	0.10	1.00	1		07/28/11	MRD
Tetrachloroethene	ND	ug/L	0.30	1.00	1		07/28/11	MRD
Toluene	ND	ug/L	0.40	1.30	1		07/28/11	MRD
trans-1,2-Dichloroethylene	ND	ug/L	0.50	1.70	1		07/28/11	MRD
trans-1,3-Dichloropropylene	ND	ug/L	0.40	1.30	1		07/28/11	MRD
Trichloroethene	ND	ug/L	0.40	1.30	1		07/28/11	MRD
Vinyl chloride	ND	ug/L	0.20	1.00	1		07/28/11	MRD
Xylenes, (Total)	ND	ug/L	1.00	1.00	1		07/28/11	MRD

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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 8021methanol 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/m3 = Milligrams per meter cubed
ng/L = Nanograms per Liter = Parts per trillion(ppt)
> = Greater Than

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

SIEMENS

Company Name	Project
Carlson McCain, Inc.	Moose Junction Lounge (#2490-00)
Report Mailing Address 1011 E Central Entrance, Suite 100 Duluth, MN 55811	**Contact Name, Phone, Fax, Email** Jillian McGowan 218-625-7004 jmcgowan@carlsonmccain.com
Invoice Address Lino Lakes Address	**Purchase Order #**	**Invoice Contact and Phone No.** SAA

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

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

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

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

WO No. 1110417

Lab Use Only	Sample Date	Sample Time	No. of Containers Comp	No. of Containers Grab	Sample ID	PVOCs + Naphthalene	VOCs	Comments
-01	10/27/11	11:20		3	MW-1	X		3-HCl VOC Vials
-02		11:55		3	MW-2	X		
-03		16:45		3	MW-4	X		
-04		9:40		3	MW-5R	X		
-05		9:55		3	Swenson well		X	
-06		12:10		3	On-Site well		X	
	↓	—		2	Trip Blank		X	
-07	↓	—		2	Trip Blank	X		
					TB 166	8/3.1		

Lab Use Only

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

Sample Receiving Comments: Custody seal 3.8°C

FedEx

Chain of Custody Record

Relinquished By:	Date	Time	Received By:
[signature]	10/27/11	4:00	
	10/28/11	11:20	Courier

SIEMENS

November 10, 2011

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

Attn: Bill Jahn

REPORT NO.: 1110417 **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 October 28, 2011.

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

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SAMPLE SUMMARY

Lab Id	Client Sample Id	Date/Time	Matrix
1110417-01	MW-1	10/27/11 11:20	Ground Water
1110417-02	MW-2	10/27/11 11:55	Ground Water
1110417-03	MW-4	10/27/11 10:45	Ground Water
1110417-04	MW-5R	10/27/11 09:40	Ground Water
1110417-05	Swenson Well	10/27/11 09:55	Drinking Water
1110417-06	On-Site Well	10/27/11 12:10	Drinking Water
1110417-07	Trip Blank	10/27/11 00:00	Water

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

PROJECT NO. : Moose Junction Lounge (#2490-00)
REPORT NO. : 1110417
DATE REC'D: 10/28/11 14:52
REPORT DATE : 11/10/11 13:28
PREPARED BY : BMS

Attn: Bill Jahn

Sample ID: **MW-1** Matrix: **Ground Water** Sample Date/Time: **10/27/11 11:20** Lab No. : **1110417-01**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	ug/L	0.400	2.00	1		11/05/11	ALZ
1,3,5-Trimethylbenzene	ND	ug/L	0.440	2.00	1		11/05/11	ALZ
Benzene	ND	ug/L	0.310	2.00	1		11/05/11	ALZ
Ethylbenzene	ND	ug/L	0.500	2.00	1		11/05/11	ALZ
m&p-Xylene	ND	ug/L	0.620	2.10	1		11/05/11	ALZ
Methyl Tert Butyl Ether	ND	ug/L	0.300	2.00	1		11/05/11	ALZ
Naphthalene	ND	ug/L	2.00	2.66	1		11/05/11	ALZ
o-Xylene	ND	ug/L	0.770	2.00	1		11/05/11	ALZ
Toluene	ND	ug/L	0.370	2.00	1		11/05/11	ALZ

Sample ID: **MW-2** Matrix: **Ground Water** Sample Date/Time: **10/27/11 11:55** Lab No. : **1110417-02**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	1440	ug/L	40.0	200	100		11/05/11	ALZ
1,3,5-Trimethylbenzene	468	ug/L	44.0	200	100		11/05/11	ALZ
Benzene	6930	ug/L	31.0	200	100		11/05/11	ALZ
Ethylbenzene	1980	ug/L	50.0	200	100		11/05/11	ALZ
m&p-Xylene	8430	ug/L	62.0	210	100		11/05/11	ALZ
Methyl Tert Butyl Ether	ND	ug/L	30.0	200	100		11/05/11	ALZ
Naphthalene	432	ug/L	200	266	100		11/05/11	ALZ
o-Xylene	3900	ug/L	77.0	200	100		11/05/11	ALZ
Toluene	13800	ug/L	37.0	200	100		11/05/11	ALZ

SIEMENS

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

PROJECT NO. : Moose Junction Lounge (#2490-00)
REPORT NO. : 1110417
DATE REC'D: 10/28/11 14:52
REPORT DATE : 11/10/11 13:28
PREPARED BY : BMS

Attn: Bill Jahn

Sample ID: **MW-4** Matrix: **Ground Water** Sample Date/Time: **10/27/11 10:45** Lab No. : **1110417-03**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	ug/L	0.400	2.00	1		11/05/11	ALZ
1,3,5-Trimethylbenzene	ND	ug/L	0.440	2.00	1		11/05/11	ALZ
Benzene	41.1	ug/L	0.310	2.00	1		11/05/11	ALZ
Ethylbenzene	ND	ug/L	0.500	2.00	1		11/05/11	ALZ
m&p-Xylene	ND	ug/L	0.620	2.10	1		11/05/11	ALZ
Methyl Tert Butyl Ether	ND	ug/L	0.300	2.00	1		11/05/11	ALZ
Naphthalene	ND	ug/L	2.00	2.66	1		11/05/11	ALZ
o-Xylene	ND	ug/L	0.770	2.00	1		11/05/11	ALZ
Toluene	ND	ug/L	0.370	2.00	1		11/05/11	ALZ

Sample ID: **MW-5R** Matrix: **Ground Water** Sample Date/Time: **10/27/11 9:40** Lab No. : **1110417-04**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	ug/L	0.400	2.00	1		11/04/11	ALZ
1,3,5-Trimethylbenzene	ND	ug/L	0.440	2.00	1		11/04/11	ALZ
Benzene	ND	ug/L	0.310	2.00	1		11/04/11	ALZ
Ethylbenzene	ND	ug/L	0.500	2.00	1		11/04/11	ALZ
m&p-Xylene	ND	ug/L	0.620	2.10	1		11/04/11	ALZ
Methyl Tert Butyl Ether	ND	ug/L	0.300	2.00	1		11/04/11	ALZ
Naphthalene	ND	ug/L	2.00	2.66	1		11/04/11	ALZ
o-Xylene	ND	ug/L	0.770	2.00	1		11/04/11	ALZ
Toluene	ND	ug/L	0.370	2.00	1		11/04/11	ALZ

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

PROJECT NO. : Moose Junction Lounge (#2490-00)
REPORT NO. : 1110417
DATE REC'D: 10/28/11 14:52
REPORT DATE : 11/10/11 13:28
PREPARED BY : BMS

Attn: Bill Jahn
Sample ID: **Swenson Well** Matrix: **Drinking Water** Sample Date/Time: **10/27/11 9:55** Lab No. : **1110417-05**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 524.2								
1,1,1,2-Tetrachloroethane	ND	ug/L	0.30	1.00	1		11/09/11	MPM
1,1,1-Trichloroethane	ND	ug/L	0.50	1.70	1		11/09/11	MPM
1,1,2,2-Tetrachloroethane	ND	ug/L	0.40	1.30	1		11/09/11	MPM
1,1,2-Trichloroethane	ND	ug/L	0.40	1.30	1		11/09/11	MPM
1,1-Dichloroethane	ND	ug/L	0.40	1.30	1		11/09/11	MPM
1,1-Dichloroethylene	ND	ug/L	0.40	1.30	1		11/09/11	MPM
1,1-Dichloropropylene	ND	ug/L	0.80	2.70	1		11/09/11	MPM
1,2,3-Trichloropropane	ND	ug/L	1.00	3.30	1		11/09/11	MPM
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1.70	1		11/09/11	MPM
1,2,4-Trimethylbenzene	ND	ug/L	0.20	1.00	1		11/09/11	MPM
1,2-Dichlorobenzene	ND	ug/L	0.80	2.70	1		11/09/11	MPM
1,2-Dichloroethane	ND	ug/L	0.30	1.00	1		11/09/11	MPM
1,2-Dichloropropane	ND	ug/L	0.40	1.30	1		11/09/11	MPM
1,3,5-Trimethylbenzene	ND	ug/L	0.20	1.00	1		11/09/11	MPM
1,3-Dichlorobenzene	ND	ug/L	0.20	1.00	1		11/09/11	MPM
1,3-Dichloropropane	ND	ug/L	0.20	1.00	1		11/09/11	MPM
1,4-Dichlorobenzene	ND	ug/L	0.80	2.70	1		11/09/11	MPM
2,2-Dichloropropane	ND	ug/L	1.00	3.30	1		11/09/11	MPM
2-Chlorotoluene	ND	ug/L	0.30	1.00	1		11/09/11	MPM
4-Chlorotoluene	ND	ug/L	0.30	1.00	1		11/09/11	MPM
4-Isopropyltoluene	ND	ug/L	0.40	1.33	1		11/09/11	MPM
Benzene	ND	ug/L	0.20	1.00	1		11/09/11	MPM
Bromobenzene	ND	ug/L	0.30	1.00	1		11/09/11	MPM
Bromodichloromethane	ND	ug/L	0.40	1.30	1		11/09/11	MPM
Bromoform	ND	ug/L	0.20	1.00	1		11/09/11	MPM
Bromomethane	ND	ug/L	1.00	3.30	1		11/09/11	MPM
Carbon Tetrachloride	ND	ug/L	0.30	1.00	1		11/09/11	MPM
Chlorobenzene	ND	ug/L	0.20	1.00	1		11/09/11	MPM
Chloroethane	ND	ug/L	0.70	2.30	1		11/09/11	MPM
Chloroform	ND	ug/L	0.20	1.00	1		11/09/11	MPM
Chloromethane	ND	ug/L	0.40	1.30	1		11/09/11	MPM
cis-1,2-Dichloroethylene	ND	ug/L	0.40	1.30	1		11/09/11	MPM
cis-1,3-Dichloropropylene	ND	ug/L	0.20	1.00	1		11/09/11	MPM
Dibromochloromethane	ND	ug/L	0.40	1.30	1		11/09/11	MPM
Dibromomethane	ND	ug/L	0.40	1.30	1		11/09/11	MPM
Dichlorodifluoromethane	ND	ug/L	0.30	1.00	1		11/09/11	MPM
Ethylbenzene	ND	ug/L	0.20	1.00	1		11/09/11	MPM
Hexachlorobutadiene	ND	ug/L	1.00	3.30	1		11/09/11	MPM
Isopropylbenzene (Cumene)	ND	ug/L	0.20	1.00	1		11/09/11	MPM
Methylene Chloride	ND	ug/L	0.40	1.30	1		11/09/11	MPM
Methyl-tert-Butyl Ether	ND	ug/L	0.50	2.00	1		11/09/11	MPM

SIEMENS

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

Attn: Bill Jahn

PROJECT NO. : Moose Junction Lounge (#2490-00)
REPORT NO. : 1110417
DATE REC'D: 10/28/11 14:52
REPORT DATE : 11/10/11 13:28
PREPARED BY : BMS

Sample ID: **Swenson Well** Matrix: **Drinking Water** Sample Date/Time: **10/27/11 9:55** Lab No. : **1110417-05**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 524.2 Continued								
Naphthalene	ND	ug/L	1.00	3.30	1		11/09/11	MPM
Styrene	ND	ug/L	0.10	1.00	1		11/09/11	MPM
Tetrachloroethene	ND	ug/L	0.30	1.00	1		11/09/11	MPM
Toluene	ND	ug/L	0.40	1.30	1		11/09/11	MPM
trans-1,2-Dichloroethylene	ND	ug/L	0.50	1.70	1		11/09/11	MPM
trans-1,3-Dichloropropylene	ND	ug/L	0.40	1.30	1		11/09/11	MPM
Trichloroethene	ND	ug/L	0.40	1.30	1		11/09/11	MPM
Vinyl chloride	ND	ug/L	0.20	1.00	1		11/09/11	MPM
Xylenes, (Total)	ND	ug/L	1.00	1.00	1		11/09/11	MPM

SIEMENS

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

PROJECT NO. : Moose Junction Lounge (#2490-00)
REPORT NO. : 1110417
DATE REC'D: 10/28/11 14:52
REPORT DATE : 11/10/11 13:28
PREPARED BY : BMS

Attn: Bill Jahn
Sample ID: **On-Site Well** Matrix: **Drinking Water** Sample Date/Time: **10/27/11 12:10** Lab No. : **1110417-06**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 524.2								
1,1,1,2-Tetrachloroethane	ND	ug/L	0.30	1.00	1		11/09/11	MPM
1,1,1-Trichloroethane	ND	ug/L	0.50	1.70	1		11/09/11	MPM
1,1,2,2-Tetrachloroethane	ND	ug/L	0.40	1.30	1		11/09/11	MPM
1,1,2-Trichloroethane	ND	ug/L	0.40	1.30	1		11/09/11	MPM
1,1-Dichloroethane	ND	ug/L	0.40	1.30	1		11/09/11	MPM
1,1-Dichloroethylene	ND	ug/L	0.40	1.30	1		11/09/11	MPM
1,1-Dichloropropylene	ND	ug/L	0.80	2.70	1		11/09/11	MPM
1,2,3-Trichloropropane	ND	ug/L	1.00	3.30	1		11/09/11	MPM
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1.70	1		11/09/11	MPM
1,2,4-Trimethylbenzene	1.88	ug/L	0.20	1.00	1		11/09/11	MPM
1,2-Dichlorobenzene	ND	ug/L	0.80	2.70	1		11/09/11	MPM
1,2-Dichloroethane	0.47	ug/L	0.30	1.00	1	J	11/09/11	MPM
1,2-Dichloropropane	ND	ug/L	0.40	1.30	1		11/09/11	MPM
1,3,5-Trimethylbenzene	1.65	ug/L	0.20	1.00	1		11/09/11	MPM
1,3-Dichlorobenzene	ND	ug/L	0.20	1.00	1		11/09/11	MPM
1,3-Dichloropropane	ND	ug/L	0.20	1.00	1		11/09/11	MPM
1,4-Dichlorobenzene	ND	ug/L	0.80	2.70	1		11/09/11	MPM
2,2-Dichloropropane	ND	ug/L	1.00	3.30	1		11/09/11	MPM
2-Chlorotoluene	ND	ug/L	0.30	1.00	1		11/09/11	MPM
4-Chlorotoluene	ND	ug/L	0.30	1.00	1		11/09/11	MPM
4-Isopropyltoluene	ND	ug/L	0.40	1.33	1		11/09/11	MPM
Benzene	8.36	ug/L	0.20	1.00	1		11/09/11	MPM
Bromobenzene	0.79	ug/L	0.30	1.00	1	J	11/09/11	MPM
Bromodichloromethane	ND	ug/L	0.40	1.30	1		11/09/11	MPM
Bromoform	ND	ug/L	0.20	1.00	1		11/09/11	MPM
Bromomethane	ND	ug/L	1.00	3.30	1		11/09/11	MPM
Carbon Tetrachloride	ND	ug/L	0.30	1.00	1		11/09/11	MPM
Chlorobenzene	ND	ug/L	0.20	1.00	1		11/09/11	MPM
Chloroethane	ND	ug/L	0.70	2.30	1		11/09/11	MPM
Chloroform	0.39	ug/L	0.20	1.00	1	J	11/09/11	MPM
Chloromethane	ND	ug/L	0.40	1.30	1		11/09/11	MPM
cis-1,2-Dichloroethylene	ND	ug/L	0.40	1.30	1		11/09/11	MPM
cis-1,3-Dichloropropylene	ND	ug/L	0.20	1.00	1		11/09/11	MPM
Dibromochloromethane	ND	ug/L	0.40	1.30	1		11/09/11	MPM
Dibromomethane	ND	ug/L	0.40	1.30	1		11/09/11	MPM
Dichlorodifluoromethane	ND	ug/L	0.30	1.00	1		11/09/11	MPM
Ethylbenzene	4.62	ug/L	0.20	1.00	1		11/09/11	MPM
Hexachlorobutadiene	ND	ug/L	1.00	3.30	1		11/09/11	MPM
Isopropylbenzene (Cumene)	0.24	ug/L	0.20	1.00	1	J	11/09/11	MPM
Methylene Chloride	ND	ug/L	0.40	1.30	1		11/09/11	MPM
Methyl-tert-Butyl Ether	ND	ug/L	0.50	2.00	1		11/09/11	MPM

SIEMENS

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

PROJECT NO. : Moose Junction Lounge (#2490-00)
REPORT NO. : 1110417
DATE REC'D: 10/28/11 14:52
REPORT DATE : 11/10/11 13:28
PREPARED BY : BMS

Attn: Bill Jahn

Sample ID: **On-Site Well** Matrix: **Drinking Water** Sample Date/Time: **10/27/11 12:10** Lab No. : **1110417-06**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 524.2 Continued								
Naphthalene	ND	ug/L	1.00	3.30	1		11/09/11	MPM
Styrene	ND	ug/L	0.10	1.00	1		11/09/11	MPM
Tetrachloroethene	ND	ug/L	0.30	1.00	1		11/09/11	MPM
Toluene	ND	ug/L	0.40	1.30	1		11/09/11	MPM
trans-1,2-Dichloroethylene	ND	ug/L	0.50	1.70	1		11/09/11	MPM
trans-1,3-Dichloropropylene	ND	ug/L	0.40	1.30	1		11/09/11	MPM
Trichloroethene	ND	ug/L	0.40	1.30	1		11/09/11	MPM
Vinyl chloride	ND	ug/L	0.20	1.00	1		11/09/11	MPM
Xylenes, (Total)	4.48	ug/L	1.00	1.00	1		11/09/11	MPM

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

PROJECT NO. : Moose Junction Lounge (#2490-00)
REPORT NO. : 1110417
DATE REC'D: 10/28/11 14:52
REPORT DATE : 11/10/11 13:28
PREPARED BY : BMS

Attn: Bill Jahn
Sample ID: **Trip Blank** Matrix: **Water** Sample Date/Time: **10/27/11 0:00** Lab No. : **1110417-07**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 524.2								
1,1,1,2-Tetrachloroethane	ND	ug/L	0.30	1.00	1		11/09/11	MPM
1,1,1-Trichloroethane	ND	ug/L	0.50	1.70	1		11/09/11	MPM
1,1,2,2-Tetrachloroethane	ND	ug/L	0.40	1.30	1		11/09/11	MPM
1,1,2-Trichloroethane	ND	ug/L	0.40	1.30	1		11/09/11	MPM
1,1-Dichloroethane	ND	ug/L	0.40	1.30	1		11/09/11	MPM
1,1-Dichloroethylene	ND	ug/L	0.40	1.30	1		11/09/11	MPM
1,1-Dichloropropylene	ND	ug/L	0.80	2.70	1		11/09/11	MPM
1,2,3-Trichloropropane	ND	ug/L	1.00	3.30	1		11/09/11	MPM
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1.70	1		11/09/11	MPM
1,2,4-Trimethylbenzene	ND	ug/L	0.20	1.00	1		11/09/11	MPM
1,2-Dichlorobenzene	ND	ug/L	0.80	2.70	1		11/09/11	MPM
1,2-Dichloroethane	ND	ug/L	0.30	1.00	1		11/09/11	MPM
1,2-Dichloropropane	ND	ug/L	0.40	1.30	1		11/09/11	MPM
1,3,5-Trimethylbenzene	ND	ug/L	0.20	1.00	1		11/09/11	MPM
1,3-Dichlorobenzene	ND	ug/L	0.20	1.00	1		11/09/11	MPM
1,3-Dichloropropane	ND	ug/L	0.20	1.00	1		11/09/11	MPM
1,4-Dichlorobenzene	ND	ug/L	0.80	2.70	1		11/09/11	MPM
2,2-Dichloropropane	ND	ug/L	1.00	3.30	1		11/09/11	MPM
2-Chlorotoluene	ND	ug/L	0.30	1.00	1		11/09/11	MPM
4-Chlorotoluene	ND	ug/L	0.30	1.00	1		11/09/11	MPM
4-Isopropyltoluene	ND	ug/L	0.40	1.33	1		11/09/11	MPM
Benzene	ND	ug/L	0.20	1.00	1		11/09/11	MPM
Bromobenzene	ND	ug/L	0.30	1.00	1		11/09/11	MPM
Bromodichloromethane	ND	ug/L	0.40	1.30	1		11/09/11	MPM
Bromoform	ND	ug/L	0.20	1.00	1		11/09/11	MPM
Bromomethane	ND	ug/L	1.00	3.30	1		11/09/11	MPM
Carbon Tetrachloride	ND	ug/L	0.30	1.00	1		11/09/11	MPM
Chlorobenzene	ND	ug/L	0.20	1.00	1		11/09/11	MPM
Chloroethane	ND	ug/L	0.70	2.30	1		11/09/11	MPM
Chloroform	ND	ug/L	0.20	1.00	1		11/09/11	MPM
Chloromethane	ND	ug/L	0.40	1.30	1		11/09/11	MPM
cis-1,2-Dichloroethylene	ND	ug/L	0.40	1.30	1		11/09/11	MPM
cis-1,3-Dichloropropylene	ND	ug/L	0.20	1.00	1		11/09/11	MPM
Dibromochloromethane	ND	ug/L	0.40	1.30	1		11/09/11	MPM
Dibromomethane	ND	ug/L	0.40	1.30	1		11/09/11	MPM
Dichlorodifluoromethane	ND	ug/L	0.30	1.00	1		11/09/11	MPM
Ethylbenzene	ND	ug/L	0.20	1.00	1		11/09/11	MPM
Hexachlorobutadiene	ND	ug/L	1.00	3.30	1		11/09/11	MPM
Isopropylbenzene (Cumene)	ND	ug/L	0.20	1.00	1		11/09/11	MPM
Methylene Chloride	ND	ug/L	0.40	1.30	1		11/09/11	MPM
Methyl-tert-Butyl Ether	ND	ug/L	0.50	2.00	1		11/09/11	MPM

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

Attn: Bill Jahn

PROJECT NO. : Moose Junction Lounge (#2490-00)
REPORT NO. : 1110417
DATE REC'D: 10/28/11 14:52
REPORT DATE : 11/10/11 13:28
PREPARED BY : BMS

Sample ID: **Trip Blank** Matrix: **Water** Sample Date/Time: **10/27/11 0:00** Lab No. : **1110417-07**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 524.2 Continued								
Naphthalene	ND	ug/L	1.00	3.30	1		11/09/11	MPM
Styrene	ND	ug/L	0.10	1.00	1		11/09/11	MPM
Tetrachloroethene	ND	ug/L	0.30	1.00	1		11/09/11	MPM
Toluene	ND	ug/L	0.40	1.30	1		11/09/11	MPM
trans-1,2-Dichloroethylene	ND	ug/L	0.50	1.70	1		11/09/11	MPM
trans-1,3-Dichloropropylene	ND	ug/L	0.40	1.30	1		11/09/11	MPM
Trichloroethene	ND	ug/L	0.40	1.30	1		11/09/11	MPM
Vinyl chloride	ND	ug/L	0.20	1.00	1		11/09/11	MPM
Xylenes, (Total)	ND	ug/L	1.00	1.00	1		11/09/11	MPM
EPA 8021B								
1,2,4-Trimethylbenzene	ND	ug/L	0.400	2.00	1		11/05/11	ALZ
1,3,5-Trimethylbenzene	ND	ug/L	0.440	2.00	1		11/05/11	ALZ
Benzene	ND	ug/L	0.310	2.00	1		11/05/11	ALZ
Ethylbenzene	ND	ug/L	0.500	2.00	1		11/05/11	ALZ
m&p-Xylene	ND	ug/L	0.620	2.10	1		11/05/11	ALZ
Methyl Tert Butyl Ether	ND	ug/L	0.300	2.00	1		11/05/11	ALZ
Naphthalene	ND	ug/L	2.00	2.66	1		11/05/11	ALZ
o-Xylene	ND	ug/L	0.770	2.00	1		11/05/11	ALZ
Toluene	ND	ug/L	0.370	2.00	1		11/05/11	ALZ

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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 8021methanol 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/m3 = Milligrams per meter cubed
ng/L = Nanograms per Liter = Parts per trillion(ppt)
> = Greater Than

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

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Company Name	Project
Carlson McCain, Inc.	Moose Junction Lounge (#2490-00)
Report Mailing Address	**Contact Name, Phone, Fax, Email**
1011 E Central Entrance, Suite 100 Duluth, MN 55811	Hillary McGowan hmcgowan@carlsonmccain.com
Invoice Address	**Purchase Order #** / **Invoice Contact and Phone No.**
Lino Lakes Address Attn Stephanie Symoniak	— SAA

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.: WDNR

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

WO No. 1201142

Lab Use Only	Sample Date	Sample Time	No. of Containers Comp	No. of Containers Grab	Sample ID	PVOC-Naphth.	Dry Weight	Comments
-1	1/10/12	12:03	2		GP-1 (4-6)	X	X	1-2oz w/ MeOH, 1-TSpl cup
-2		12:54	2		GP-1 (12-13')	X	X	
-3		1:10	2		GP-2 (2-4')	X	X	
-4		1:31	2		GP-2 (12-14')	X	X	
-5		2:00	2		GP-3 (4-6')	X	X	
-6		2:07	2		GP-3 (10-12')	X	X	
-7		2:22	2		GP-4 (4-6')	X	X	
-8		—	1		MeOH Blank	X		1-vial MeOH 08-22-11 TB036

Lab Use Only

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

Sample Receiving Comments:
Rec'd w/ custody seal intact
1.8

Chain of Custody Record

Relinquished By:	Date	Time	Received By:
[signature]	1/10/12		
	01-12-12	1452	[signature]

SIEMENS

January 23, 2012

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

Attn: Hillary McGown

REPORT NO.: 1201142 **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 January 12, 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

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SAMPLE SUMMARY

Lab Id	Client Sample Id	Date/Time	Matrix
1201142-01	GP-1 (4-6)	01/10/12 12:03	Soil
1201142-02	GP-1 (12-13')	01/10/12 12:54	Soil
1201142-03	GP-2 (2-4')	01/10/12 13:10	Soil
1201142-04	GP-2 (12-14')	01/10/12 13:31	Soil
1201142-05	GP-3 (4-6')	01/10/12 14:00	Soil
1201142-06	GP-3 (10-12')	01/10/12 14:07	Soil
1201142-07	GP-4 (4-6')	01/10/12 14:22	Soil
1201142-08	MeOH Blank	01/10/12 00:00	Soil

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

Attn: Hillary McGown

PROJECT NO. : Moose Junction Lounge (2490-00)
REPORT NO. : 1201142
DATE REC'D: 01/12/12 14:52
REPORT DATE : 01/23/12 10:28
PREPARED BY : BMS

Sample ID: **GP-1 (4-6)** Matrix: **Soil** Sample Date/Time: **01/10/12 12:03** Lab No. : **1201142-01**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.013	0.025	1		01/20/12	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.018	0.025	1		01/20/12	ALZ
Benzene	ND	mg/kg dry	0.016	0.025	1		01/20/12	ALZ
Ethylbenzene	ND	mg/kg dry	0.018	0.025	1		01/20/12	ALZ
m&p-Xylene	ND	mg/kg dry	0.022	0.025	1		01/20/12	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.024	0.025	1		01/20/12	ALZ
Naphthalene	ND	mg/kg dry	0.018	0.025	1		01/20/12	ALZ
o-Xylene	ND	mg/kg dry	0.016	0.025	1		01/20/12	ALZ
Toluene	ND	mg/kg dry	0.021	0.025	1		01/20/12	ALZ

Sample ID: **GP-1 (12-13')** Matrix: **Soil** Sample Date/Time: **01/10/12 12:54** Lab No. : **1201142-02**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.014	0.028	1.1		01/19/12	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.020	0.028	1.1		01/19/12	ALZ
Benzene	ND	mg/kg dry	0.018	0.028	1.1		01/19/12	ALZ
Ethylbenzene	ND	mg/kg dry	0.020	0.028	1.1		01/19/12	ALZ
m&p-Xylene	ND	mg/kg dry	0.024	0.028	1.1		01/19/12	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.026	0.028	1.1		01/19/12	ALZ
Naphthalene	ND	mg/kg dry	0.020	0.028	1.1		01/19/12	ALZ
o-Xylene	ND	mg/kg dry	0.018	0.028	1.1		01/19/12	ALZ
Toluene	ND	mg/kg dry	0.023	0.028	1.1		01/19/12	ALZ

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

PROJECT NO. : Moose Junction Lounge (2490-00)
REPORT NO. : 1201142
DATE REC'D: 01/12/12 14:52
REPORT DATE : 01/23/12 10:28
PREPARED BY : BMS

Attn: Hillary McGown

Sample ID: **GP-2 (2-4')** Matrix: **Soil** Sample Date/Time: **01/10/12 13:10** Lab No. : **1201142-03**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.013	0.025	1		01/19/12	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.018	0.025	1		01/19/12	ALZ
Benzene	ND	mg/kg dry	0.016	0.025	1		01/19/12	ALZ
Ethylbenzene	ND	mg/kg dry	0.018	0.025	1		01/19/12	ALZ
m&p-Xylene	ND	mg/kg dry	0.022	0.025	1		01/19/12	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.024	0.025	1		01/19/12	ALZ
Naphthalene	ND	mg/kg dry	0.018	0.025	1		01/19/12	ALZ
o-Xylene	ND	mg/kg dry	0.016	0.025	1		01/19/12	ALZ
Toluene	ND	mg/kg dry	0.021	0.025	1		01/19/12	ALZ

Sample ID: **GP-2 (12-14')** Matrix: **Soil** Sample Date/Time: **01/10/12 13:31** Lab No. : **1201142-04**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.013	0.025	1		01/19/12	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.018	0.025	1		01/19/12	ALZ
Benzene	0.140	mg/kg dry	0.016	0.025	1		01/19/12	ALZ
Ethylbenzene	ND	mg/kg dry	0.018	0.025	1		01/19/12	ALZ
m&p-Xylene	ND	mg/kg dry	0.022	0.025	1		01/19/12	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.024	0.025	1		01/19/12	ALZ
Naphthalene	ND	mg/kg dry	0.018	0.025	1		01/19/12	ALZ
o-Xylene	ND	mg/kg dry	0.016	0.025	1		01/19/12	ALZ
Toluene	ND	mg/kg dry	0.021	0.025	1		01/19/12	ALZ

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

Attn: Hillary McGown

PROJECT NO. : Moose Junction Lounge (2490-00)
REPORT NO. : 1201142
DATE REC'D: 01/12/12 14:52
REPORT DATE : 01/23/12 10:28
PREPARED BY : BMS

Sample ID: **GP-3 (4-6')** Matrix: **Soil** Sample Date/Time: **01/10/12 14:00** Lab No. : **1201142-05**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.013	0.025	1		01/19/12	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.018	0.025	1		01/19/12	ALZ
Benzene	ND	mg/kg dry	0.016	0.025	1		01/19/12	ALZ
Ethylbenzene	ND	mg/kg dry	0.018	0.025	1		01/19/12	ALZ
m&p-Xylene	ND	mg/kg dry	0.022	0.025	1		01/19/12	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.024	0.025	1		01/19/12	ALZ
Naphthalene	ND	mg/kg dry	0.018	0.025	1		01/19/12	ALZ
o-Xylene	ND	mg/kg dry	0.016	0.025	1		01/19/12	ALZ
Toluene	ND	mg/kg dry	0.021	0.025	1		01/19/12	ALZ

Sample ID: **GP-3 (10-12')** Matrix: **Soil** Sample Date/Time: **01/10/12 14:07** Lab No. : **1201142-06**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.013	0.025	1		01/20/12	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.018	0.025	1		01/20/12	ALZ
Benzene	0.078	mg/kg dry	0.016	0.025	1		01/20/12	ALZ
Ethylbenzene	ND	mg/kg dry	0.018	0.025	1		01/20/12	ALZ
m&p-Xylene	ND	mg/kg dry	0.022	0.025	1		01/20/12	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.024	0.025	1		01/20/12	ALZ
Naphthalene	ND	mg/kg dry	0.018	0.025	1		01/20/12	ALZ
o-Xylene	ND	mg/kg dry	0.016	0.025	1		01/20/12	ALZ
Toluene	ND	mg/kg dry	0.021	0.025	1		01/20/12	ALZ

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

PROJECT NO. : Moose Junction Lounge (2490-00)
REPORT NO. : 1201142
DATE REC'D: 01/12/12 14:52
REPORT DATE : 01/23/12 10:28
PREPARED BY : BMS

Attn: Hillary McGown

Sample ID: **GP-4 (4-6')** Matrix: **Soil** Sample Date/Time: **01/10/12 14:22** Lab No. : **1201142-07**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	42.5	mg/kg dry	0.650	1.25	50		01/20/12	ALZ
1,3,5-Trimethylbenzene	14.5	mg/kg dry	0.900	1.25	50		01/20/12	ALZ
Benzene	ND	mg/kg dry	0.800	1.25	50		01/20/12	ALZ
Ethylbenzene	16.8	mg/kg dry	0.900	1.25	50		01/20/12	ALZ
m&p-Xylene	66.7	mg/kg dry	1.10	1.25	50		01/20/12	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	1.20	1.25	50		01/20/12	ALZ
Naphthalene	7.60	mg/kg dry	0.900	1.25	50		01/20/12	ALZ
o-Xylene	19.7	mg/kg dry	0.800	1.25	50		01/20/12	ALZ
Toluene	14.6	mg/kg dry	1.05	1.25	50		01/20/12	ALZ

Sample ID: **MeOH Blank** Matrix: **Soil** Sample Date/Time: **01/10/12 0:00** Lab No. : **1201142-08**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	mg/kg	0.013	0.025	1		01/19/12	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg	0.018	0.025	1		01/19/12	ALZ
Benzene	ND	mg/kg	0.016	0.025	1		01/19/12	ALZ
Ethylbenzene	ND	mg/kg	0.018	0.025	1		01/19/12	ALZ
m&p-Xylene	ND	mg/kg	0.022	0.025	1		01/19/12	ALZ
Methyl Tert Butyl Ether	ND	mg/kg	0.024	0.025	1		01/19/12	ALZ
Naphthalene	ND	mg/kg	0.018	0.025	1		01/19/12	ALZ
o-Xylene	ND	mg/kg	0.016	0.025	1		01/19/12	ALZ
Toluene	ND	mg/kg	0.021	0.025	1		01/19/12	ALZ

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Qualifier Descriptions

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 8021methanol 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/m3 = Milligrams per meter cubed
ng/L = Nanograms per Liter = Parts per trillion(ppt)
> = Greater Than

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

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Client: Carlson McCain, Inc Date Received: 01/12/12

Analytical Number: 1201142-01 through -08

Check all deviations from the EPA or WDNR sample protocol.

[ ] Sample(s) received at _____°C which is above the EPA and WDNR limit of 4°C.

[ ] VOC vial(s) received with headspace.

[ ] Sample(s) received in bottles not furnished by Siemens Water Technologies. The preservation method, if used, is unknown.

[ ] Sample(s) were not properly preserved per EPA or WDNR protocol for the following analyses:
- _____

[ ] Sample(s) were received beyond the EPA/WDNR holding time for the following analyses:
- _____

[ ] Sample date/time not supplied by client. Actual holding time is unknown.

[ ] GRO / PVOC / VOC / DRO (circle) sample(s) are <19.5 grams. This report is the qualifier flag for that QC failure. The client has been contacted for further instructions. Analytical number(s) of the sample(s) under weight are:
- _____

[x] GRO / PVOC / VOC (circle) sample(s) were between 26.4 and 35.4 grams. Methanol was added in a 1:1 ratio in the lab. Analytical number(s) of the sample(s) affected are:
- 1201142-01A +4mL -03A +3mL -05A +2mL -06A +4mL.

[ ] GRO / PVOC / VOC / DRO (circle) sample(s) are >35.4 grams and are required to be rejected. This report is the qualifier flag for that QC failure. The client has been contacted for further instructions. Analytical number(s) of the sample(s) affected are:
- _____ -07A +3mL

[ ] Other problems:
- _____

Client contacted concerning the above deviations:

_____ notified of the above deviation(s) on ____/____/____ @
contact name
____:____ am/pm by _____ and the client ordered the following:
initial

[ ] Proceed with analyses as ordered.
[ ] Proceed with analyses after taking the following corrective action:
- _____
[ ] Do NOT proceed with analyses.

Siemens Water Technologies Corp. 301 West Military Road Rothschild, WI 54474 Tel: (800)338-7226 Fax: (715)355-3221

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Company Name	Project
Carlson McCain, Inc.	Moose Junction Lounge (#2490-00)
Report Mailing Address 1011 E Central Entrance, Suite 100 Duluth, MN 55811	**Contact Name, Phone, Fax, Email** Hillary McGown 218-625-7004 hmcgown@carlsonmccain.com
Invoice Address Lino Lakes Address	**Purchase Order #** / **Invoice Contact and Phone No.**

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

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

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

Turnaround Request: [ ] Normal (10 Bus. Days)
[X] ~~Rush~~ (Must be pre-approved by Lab and is subject to surcharges)
Date Needed: ~~2 day turn~~ ✓ 01-31-12
okay'd w/ Bruce

WO No. 120 1288

Analyses Requested: VOC (EPA 524.2)

Lab Use Only

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

Sample Receiving Comments:
Rec'd w/ custody seal intact
1.2

Fedex

Lab Use Only	Sample Date	Sample Time	No. of Containers Comp	No. of Containers Grab	Sample ID	VOC (EPA 524.2)	Comments
-1	1/26/12	12:15		3	Site Well	X	3 vials HCl
-2	↓	—		2	Trip Blank	X	2 vials HCl 12-01-11

TB168

Chain of Custody Record

Relinquished By:	Date	Time	Received By:
Hillary McGown	1/26/12	2:30	
	1-27-12	1009	Susan Hadden

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January 30, 2012

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

Attn: Hillary McGown

REPORT NO.: 1201288 **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 January 27, 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 Water Technologies for your analytical needs.

Sincerely,

Siemens Water Technologies

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: Cindy Kelly

Certifications:
Wisconsin 737053130
Minnesota 055-999-302
Illinois 100317

Siemens Water Technologies Corp.
301 West Military Road
Rothschild, WI 54474
Tel: 800-338-7226
Fax: 715-355-3221
www.siemens.com/enviroscan

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

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SAMPLE SUMMARY

Lab Id	Client Sample Id	Date/Time	Matrix
1201288-01	Site Well	01/26/12 12:15	Drinking Water
1201288-02	Trip Blank	01/26/12 00:00	Water

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

Attn: Hillary McGown

PROJECT NO. : Moose Junction Lounge (2490-00)
REPORT NO. : 1201288
DATE REC'D 01/27/12 10:09
REPORT DATE : 01/30/12 14:00
PREPARED BY : BMS

Report of Laboratory Analysis

Sample ID: **Site Well** Matrix: **Drinking Water** Sample Date/Time: **01/26/12 12:15** Lab No. : **1201288-01**

	Results	Units	LOD	Reporting Limit	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 524.2								
1,1,1,2-Tetrachloroethane	ND	ug/L	0.30	1.00	1		01/27/12	MPM
1,1,1-Trichloroethane	ND	ug/L	0.50	1.70	1		01/27/12	MPM
1,1,2,2-Tetrachloroethane	ND	ug/L	0.40	1.30	1		01/27/12	MPM
1,1,2-Trichloroethane	ND	ug/L	0.40	1.30	1		01/27/12	MPM
1,1-Dichloroethane	ND	ug/L	0.40	1.30	1		01/27/12	MPM
1,1-Dichloroethylene	ND	ug/L	0.40	1.30	1		01/27/12	MPM
1,1-Dichloropropylene	ND	ug/L	0.80	2.70	1		01/27/12	MPM
1,2,3-Trichloropropane	ND	ug/L	1.00	3.30	1		01/27/12	MPM
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1.70	1		01/27/12	MPM
1,2,4-Trimethylbenzene	ND	ug/L	0.20	1.00	1		01/27/12	MPM
1,2-Dichlorobenzene	ND	ug/L	0.80	2.70	1		01/27/12	MPM
1,2-Dichloroethane	ND	ug/L	0.30	1.00	1		01/27/12	MPM
1,2-Dichloropropane	ND	ug/L	0.40	1.30	1		01/27/12	MPM
1,3,5-Trimethylbenzene	ND	ug/L	0.20	1.00	1		01/27/12	MPM
1,3-Dichlorobenzene	ND	ug/L	0.20	1.00	1		01/27/12	MPM
1,3-Dichloropropane	ND	ug/L	0.20	1.00	1		01/27/12	MPM
1,4-Dichlorobenzene	ND	ug/L	0.80	2.70	1		01/27/12	MPM
2,2-Dichloropropane	ND	ug/L	1.00	3.30	1		01/27/12	MPM
2-Chlorotoluene	ND	ug/L	0.30	1.00	1		01/27/12	MPM
4-Chlorotoluene	ND	ug/L	0.30	1.00	1		01/27/12	MPM
4-Isopropyltoluene	ND	ug/L	0.40	1.33	1		01/27/12	MPM
Benzene	ND	ug/L	0.20	1.00	1		01/27/12	MPM
Bromobenzene	ND	ug/L	0.30	1.00	1		01/27/12	MPM
Bromodichloromethane	ND	ug/L	0.40	1.30	1		01/27/12	MPM
Bromoform	ND	ug/L	0.20	1.00	1		01/27/12	MPM
Bromomethane	ND	ug/L	1.00	3.30	1		01/27/12	MPM
Carbon Tetrachloride	ND	ug/L	0.30	1.00	1		01/27/12	MPM
Chlorobenzene	ND	ug/L	0.20	1.00	1		01/27/12	MPM
Chloroethane	ND	ug/L	0.70	2.30	1		01/27/12	MPM
Chloroform	ND	ug/L	0.20	1.00	1		01/27/12	MPM
Chloromethane	ND	ug/L	0.40	1.30	1		01/27/12	MPM
cis-1,2-Dichloroethylene	ND	ug/L	0.40	1.30	1		01/27/12	MPM
cis-1,3-Dichloropropylene	ND	ug/L	0.20	1.00	1		01/27/12	MPM
Dibromochloromethane	ND	ug/L	0.40	1.30	1		01/27/12	MPM
Dibromomethane	ND	ug/L	0.40	1.30	1		01/27/12	MPM
Dichlorodifluoromethane	ND	ug/L	0.30	1.00	1		01/27/12	MPM

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1011 East Central Entrance, STE 100
Duluth, MN 55811

Attn: Hillary McGown

PROJECT NO. : Moose Junction Lounge (2490-00)
REPORT NO. : 1201288
DATE REC'D 01/27/12 10:09
REPORT DATE : 01/30/12 14:00
PREPARED BY : BMS

Report of Laboratory Analysis

Sample ID: **Site Well** Matrix: **Drinking Water** Sample Date/Time: **01/26/12 12:15** Lab No. : **1201288-01**

	Results	Units	LOD	Reporting Limit	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 524.2 Continued								
Ethylbenzene	ND	ug/L	0.20	1.00	1		01/27/12	MPM
Hexachlorobutadiene	ND	ug/L	1.00	3.30	1		01/27/12	MPM
Isopropylbenzene (Cumene)	ND	ug/L	0.20	1.00	1		01/27/12	MPM
Methylene Chloride	ND	ug/L	0.40	1.30	1		01/27/12	MPM
Methyl-tert-Butyl Ether	ND	ug/L	0.50	2.00	1		01/27/12	MPM
Naphthalene	ND	ug/L	1.00	3.30	1		01/27/12	MPM
Styrene	ND	ug/L	0.10	1.00	1		01/27/12	MPM
Tetrachloroethene	ND	ug/L	0.30	1.00	1		01/27/12	MPM
Toluene	ND	ug/L	0.40	1.30	1		01/27/12	MPM
trans-1,2-Dichloroethylene	ND	ug/L	0.50	1.70	1		01/27/12	MPM
trans-1,3-Dichloropropylene	ND	ug/L	0.40	1.30	1		01/27/12	MPM
Trichloroethene	ND	ug/L	0.40	1.30	1		01/27/12	MPM
Vinyl chloride	ND	ug/L	0.20	1.00	1		01/27/12	MPM
Xylenes, (Total)	ND	ug/L	1.00	1.00	1		01/27/12	MPM

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

Attn: Hillary McGown

PROJECT NO. : Moose Junction Lounge (2490-00)
REPORT NO. : 1201288
DATE REC'D 01/27/12 10:09
REPORT DATE : 01/30/12 14:00
PREPARED BY : BMS

Report of Laboratory Analysis

Sample ID: **Trip Blank** Matrix: **Water** Sample Date/Time: **01/26/12 0:00** Lab No. : **1201288-02**

	Results	Units	LOD	Reporting Limit	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 524.2								
1,1,1,2-Tetrachloroethane	ND	ug/L	0.30	1.00	1		01/27/12	MPM
1,1,1-Trichloroethane	ND	ug/L	0.50	1.70	1		01/27/12	MPM
1,1,2,2-Tetrachloroethane	ND	ug/L	0.40	1.30	1		01/27/12	MPM
1,1,2-Trichloroethane	ND	ug/L	0.40	1.30	1		01/27/12	MPM
1,1-Dichloroethane	ND	ug/L	0.40	1.30	1		01/27/12	MPM
1,1-Dichloroethylene	ND	ug/L	0.40	1.30	1		01/27/12	MPM
1,1-Dichloropropylene	ND	ug/L	0.80	2.70	1		01/27/12	MPM
1,2,3-Trichloropropane	ND	ug/L	1.00	3.30	1		01/27/12	MPM
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1.70	1		01/27/12	MPM
1,2,4-Trimethylbenzene	ND	ug/L	0.20	1.00	1		01/27/12	MPM
1,2-Dichlorobenzene	ND	ug/L	0.80	2.70	1		01/27/12	MPM
1,2-Dichloroethane	ND	ug/L	0.30	1.00	1		01/27/12	MPM
1,2-Dichloropropane	ND	ug/L	0.40	1.30	1		01/27/12	MPM
1,3,5-Trimethylbenzene	ND	ug/L	0.20	1.00	1		01/27/12	MPM
1,3-Dichlorobenzene	ND	ug/L	0.20	1.00	1		01/27/12	MPM
1,3-Dichloropropane	ND	ug/L	0.20	1.00	1		01/27/12	MPM
1,4-Dichlorobenzene	ND	ug/L	0.80	2.70	1		01/27/12	MPM
2,2-Dichloropropane	ND	ug/L	1.00	3.30	1		01/27/12	MPM
2-Chlorotoluene	ND	ug/L	0.30	1.00	1		01/27/12	MPM
4-Chlorotoluene	ND	ug/L	0.30	1.00	1		01/27/12	MPM
4-Isopropyltoluene	ND	ug/L	0.40	1.33	1		01/27/12	MPM
Benzene	ND	ug/L	0.20	1.00	1		01/27/12	MPM
Bromobenzene	ND	ug/L	0.30	1.00	1		01/27/12	MPM
Bromodichloromethane	ND	ug/L	0.40	1.30	1		01/27/12	MPM
Bromoform	ND	ug/L	0.20	1.00	1		01/27/12	MPM
Bromomethane	ND	ug/L	1.00	3.30	1		01/27/12	MPM
Carbon Tetrachloride	ND	ug/L	0.30	1.00	1		01/27/12	MPM
Chlorobenzene	ND	ug/L	0.20	1.00	1		01/27/12	MPM
Chloroethane	ND	ug/L	0.70	2.30	1		01/27/12	MPM
Chloroform	ND	ug/L	0.20	1.00	1		01/27/12	MPM
Chloromethane	ND	ug/L	0.40	1.30	1		01/27/12	MPM
cis-1,2-Dichloroethylene	ND	ug/L	0.40	1.30	1		01/27/12	MPM
cis-1,3-Dichloropropylene	ND	ug/L	0.20	1.00	1		01/27/12	MPM
Dibromochloromethane	ND	ug/L	0.40	1.30	1		01/27/12	MPM
Dibromomethane	ND	ug/L	0.40	1.30	1		01/27/12	MPM
Dichlorodifluoromethane	ND	ug/L	0.30	1.00	1		01/27/12	MPM

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

Attn: Hillary McGown

PROJECT NO. : Moose Junction Lounge (2490-00)
REPORT NO. : 1201288
DATE REC'D 01/27/12 10:09
REPORT DATE : 01/30/12 14:00
PREPARED BY : BMS

Report of Laboratory Analysis

Sample ID: **Trip Blank** Matrix: **Water** Sample Date/Time: **01/26/12 0:00** Lab No. : **1201288-02**

	Results	Units	LOD	Reporting Limit	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 524.2 Continued								
Ethylbenzene	ND	ug/L	0.20	1.00	1		01/27/12	MPM
Hexachlorobutadiene	ND	ug/L	1.00	3.30	1		01/27/12	MPM
Isopropylbenzene (Cumene)	ND	ug/L	0.20	1.00	1		01/27/12	MPM
Methylene Chloride	ND	ug/L	0.40	1.30	1		01/27/12	MPM
Methyl-tert-Butyl Ether	ND	ug/L	0.50	2.00	1		01/27/12	MPM
Naphthalene	ND	ug/L	1.00	3.30	1		01/27/12	MPM
Styrene	ND	ug/L	0.10	1.00	1		01/27/12	MPM
Tetrachloroethene	ND	ug/L	0.30	1.00	1		01/27/12	MPM
Toluene	ND	ug/L	0.40	1.30	1		01/27/12	MPM
trans-1,2-Dichloroethylene	ND	ug/L	0.50	1.70	1		01/27/12	MPM
trans-1,3-Dichloropropylene	ND	ug/L	0.40	1.30	1		01/27/12	MPM
Trichloroethene	ND	ug/L	0.40	1.30	1		01/27/12	MPM
Vinyl chloride	ND	ug/L	0.20	1.00	1		01/27/12	MPM
Xylenes, (Total)	ND	ug/L	1.00	1.00	1		01/27/12	MPM

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Qualifier Descriptions

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

ug/l = Micrograms per Liter = parts per billion (ppb)
ug/kg = Micrograms per kilogram = parts per billion (ppb)
mg/l = Milligrams per liter = parts per million (ppm)
mg/kg = Milligrams per kilogram = parts per million (ppm)
NOT PRES = Not Present
ppth = Parts per thousand
* = Result outside established limits.
mg/m3 = Milligrams per meter cubed
ng/L = Nanograms per Liter = Parts per trillion(ppt)
> = Greater Than

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

LODs and LOQs are dry weight corrected for all soils except WI GRO, EPA 8021 and WI DNR/EPA 8260B methanol and WI DNR methylene chloride preserved soils being reported to the State of Wisconsin..

State of Wisconsin Methanol Soils for WI GRO, WI DNR/EPA 8260B and EPA 8021 are reported to the LOQ.

(MN) = Minnesota Department of Health does not require certification of this analyte for this program.

(MNC) = Minnesota Department of Health does offer certification of this analyte by this method for this program.

(NC) = The required Minnesota Department of Health program certification is not held for this analyte.

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Company Name	Project
Carlson McCain, Inc.	Moose Junction Lounge (#2490-00)
Report Mailing Address 1011 E Central Entrance, Suite 100 Duluth, MN 55811	**Contact Name, Phone, Fax, Email** Hillary McBown 218-625-7004 hmcbown@carlsonmccain.com
Invoice Address Lino Lakes Address Attn: Stephanie Symoniak	**Purchase Order #** —
	Invoice Contact and Phone No. SAA

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.: WDNR

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

WO No. 1201289

Lab Use Only	Sample Date	Sample Time	No. of Containers Comp	No. of Containers Grab	Sample ID	Analyses Requested: PVOC + N	Analyses Requested: VOC (EPA 524.2)	Comments
-1	1/26/12	12:40		3	MW-2	X		3 vials HCl
-2		11:00		3	MW-3	X		
-3		11:40		3	MW-4	X		
-4		12:10		3	MW-5R	X		
-5		—		2	Trip Blank	X		2 vials HCl 12-01-11 TB 168
-6		10:03		3	Swenson Well		X	3 vials HCl
-7	↓	—		2	Trip Blank		X	2 vials HCl 12-01-11 TB 168

Lab Use Only

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

Sample Receiving Comments:
Rec'd w/ custody seal intact
1.2

Relinquished By:	Date	Time	Received By:
Hillary McBown	1/26/12	2:30	
	01-27-12	1016	Lena Hacker

Chain of Custody Record

SIEMENS

February 08, 2012

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

Attn: Hillary McGown

REPORT NO.: 1201289 **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 January 27, 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

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SAMPLE SUMMARY

Lab Id	Client Sample Id	Date/Time	Matrix
1201289-01	MW-2	01/26/12 12:40	Ground Water
1201289-02	MW-3	01/26/12 11:00	Ground Water
1201289-03	MW-4	01/26/12 11:40	Ground Water
1201289-04	MW-5R	01/26/12 12:10	Ground Water
1201289-05	Trip Blank	01/26/12 00:00	Water
1201289-06	Swenson Well	01/26/12 10:03	Drinking Water
1201289-07	Trip Blank	01/26/12 00:00	Water

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

PROJECT NO. : Moose Junction Lounge (2490-00)
REPORT NO. : 1201289
DATE REC'D: 01/27/12 10:16
REPORT DATE : 02/08/12 10:59
PREPARED BY : BMS

Attn: Hillary McGown

Sample ID: **MW-2** Matrix: **Ground Water** Sample Date/Time: **01/26/12 12:40** Lab No. : **1201289-01**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	1920	ug/L	40.0	200	100		02/07/12	ALZ
1,3,5-Trimethylbenzene	592	ug/L	44.0	200	100		02/07/12	ALZ
Benzene	8350	ug/L	31.0	200	100		02/07/12	ALZ
Ethylbenzene	2500	ug/L	50.0	200	100		02/07/12	ALZ
m&p-Xylene	11400	ug/L	62.0	210	100		02/07/12	ALZ
Methyl Tert Butyl Ether	ND	ug/L	30.0	200	100		02/07/12	ALZ
Naphthalene	586	ug/L	200	266	100		02/07/12	ALZ
o-Xylene	5130	ug/L	77.0	200	100		02/07/12	ALZ
Toluene	19900	ug/L	37.0	200	100		02/07/12	ALZ

Sample ID: **MW-3** Matrix: **Ground Water** Sample Date/Time: **01/26/12 11:00** Lab No. : **1201289-02**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	ug/L	0.400	2.00	1		02/07/12	ALZ
1,3,5-Trimethylbenzene	ND	ug/L	0.440	2.00	1		02/07/12	ALZ
Benzene	ND	ug/L	0.310	2.00	1		02/07/12	ALZ
Ethylbenzene	ND	ug/L	0.500	2.00	1		02/07/12	ALZ
m&p-Xylene	ND	ug/L	0.620	2.10	1		02/07/12	ALZ
Methyl Tert Butyl Ether	ND	ug/L	0.300	2.00	1		02/07/12	ALZ
Naphthalene	ND	ug/L	2.00	2.66	1		02/07/12	ALZ
o-Xylene	ND	ug/L	0.770	2.00	1		02/07/12	ALZ
Toluene	ND	ug/L	0.370	2.00	1		02/07/12	ALZ

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

PROJECT NO. : Moose Junction Lounge (2490-00)
REPORT NO. : 1201289
DATE REC'D: 01/27/12 10:16
REPORT DATE : 02/08/12 10:59
PREPARED BY : BMS

Attn: Hillary McGown

Sample ID: **MW-4** Matrix: **Ground Water** Sample Date/Time: **01/26/12 11:40** Lab No. : **1201289-03**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	ug/L	0.400	2.00	1		02/07/12	ALZ
1,3,5-Trimethylbenzene	ND	ug/L	0.440	2.00	1		02/07/12	ALZ
Benzene	77.0	ug/L	0.310	2.00	1		02/07/12	ALZ
Ethylbenzene	ND	ug/L	0.500	2.00	1		02/07/12	ALZ
m&p-Xylene	0.943	ug/L	0.620	2.10	1	J	02/07/12	ALZ
Methyl Tert Butyl Ether	ND	ug/L	0.300	2.00	1		02/07/12	ALZ
Naphthalene	ND	ug/L	2.00	2.66	1		02/07/12	ALZ
o-Xylene	ND	ug/L	0.770	2.00	1		02/07/12	ALZ
Toluene	0.577	ug/L	0.370	2.00	1	J	02/07/12	ALZ

Sample ID: **MW-5R** Matrix: **Ground Water** Sample Date/Time: **01/26/12 12:10** Lab No. : **1201289-04**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	ug/L	0.400	2.00	1		02/07/12	ALZ
1,3,5-Trimethylbenzene	ND	ug/L	0.440	2.00	1		02/07/12	ALZ
Benzene	ND	ug/L	0.310	2.00	1		02/07/12	ALZ
Ethylbenzene	ND	ug/L	0.500	2.00	1		02/07/12	ALZ
m&p-Xylene	ND	ug/L	0.620	2.10	1		02/07/12	ALZ
Methyl Tert Butyl Ether	ND	ug/L	0.300	2.00	1		02/07/12	ALZ
Naphthalene	ND	ug/L	2.00	2.66	1		02/07/12	ALZ
o-Xylene	ND	ug/L	0.770	2.00	1		02/07/12	ALZ
Toluene	ND	ug/L	0.370	2.00	1		02/07/12	ALZ

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

PROJECT NO. : Moose Junction Lounge (2490-00)
REPORT NO. : 1201289
DATE REC'D: 01/27/12 10:16
REPORT DATE : 02/08/12 10:59
PREPARED BY : BMS

Attn: Hillary McGown

Sample ID: **Trip Blank** Matrix: **Water** Sample Date/Time: **01/26/12 0:00** Lab No. : **1201289-05**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	ug/L	0.400	2.00	1		02/07/12	ALZ
1,3,5-Trimethylbenzene	ND	ug/L	0.440	2.00	1		02/07/12	ALZ
Benzene	ND	ug/L	0.310	2.00	1		02/07/12	ALZ
Ethylbenzene	ND	ug/L	0.500	2.00	1		02/07/12	ALZ
m&p-Xylene	ND	ug/L	0.620	2.10	1		02/07/12	ALZ
Methyl Tert Butyl Ether	ND	ug/L	0.300	2.00	1		02/07/12	ALZ
Naphthalene	ND	ug/L	2.00	2.66	1		02/07/12	ALZ
o-Xylene	ND	ug/L	0.770	2.00	1		02/07/12	ALZ
Toluene	ND	ug/L	0.370	2.00	1		02/07/12	ALZ

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Carlson McCain, Inc.
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Duluth, MN 55811

PROJECT NO. : Moose Junction Lounge (2490-00)
REPORT NO. : 1201289
DATE REC'D: 01/27/12 10:16
REPORT DATE : 02/08/12 10:59
PREPARED BY : BMS

Attn: Hillary McGown
Sample ID: **Swenson Well** Matrix: **Drinking Water** Sample Date/Time: **01/26/12 10:03** Lab No.: **1201289-06**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 524.2								
1,1,1,2-Tetrachloroethane	ND	ug/L	0.30	1.00	1		01/27/12	MPM
1,1,1-Trichloroethane	ND	ug/L	0.50	1.70	1		01/27/12	MPM
1,1,2,2-Tetrachloroethane	ND	ug/L	0.40	1.30	1		01/27/12	MPM
1,1,2-Trichloroethane	ND	ug/L	0.40	1.30	1		01/27/12	MPM
1,1-Dichloroethane	ND	ug/L	0.40	1.30	1		01/27/12	MPM
1,1-Dichloroethylene	ND	ug/L	0.40	1.30	1		01/27/12	MPM
1,1-Dichloropropylene	ND	ug/L	0.80	2.70	1		01/27/12	MPM
1,2,3-Trichloropropane	ND	ug/L	1.00	3.30	1		01/27/12	MPM
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1.70	1		01/27/12	MPM
1,2,4-Trimethylbenzene	1.91	ug/L	0.20	1.00	1		01/27/12	MPM
1,2-Dichlorobenzene	ND	ug/L	0.80	2.70	1		01/27/12	MPM
1,2-Dichloroethane	ND	ug/L	0.30	1.00	1		01/27/12	MPM
1,2-Dichloropropane	ND	ug/L	0.40	1.30	1		01/27/12	MPM
1,3,5-Trimethylbenzene	1.31	ug/L	0.20	1.00	1		01/27/12	MPM
1,3-Dichlorobenzene	ND	ug/L	0.20	1.00	1		01/27/12	MPM
1,3-Dichloropropane	ND	ug/L	0.20	1.00	1		01/27/12	MPM
1,4-Dichlorobenzene	ND	ug/L	0.80	2.70	1		01/27/12	MPM
2,2-Dichloropropane	ND	ug/L	1.00	3.30	1		01/27/12	MPM
2-Chlorotoluene	ND	ug/L	0.30	1.00	1		01/27/12	MPM
4-Chlorotoluene	ND	ug/L	0.30	1.00	1		01/27/12	MPM
4-Isopropyltoluene	ND	ug/L	0.40	1.33	1		01/27/12	MPM
Benzene	12.7	ug/L	0.20	1.00	1		01/27/12	MPM
Bromobenzene	ND	ug/L	0.30	1.00	1		01/27/12	MPM
Bromodichloromethane	ND	ug/L	0.40	1.30	1		01/27/12	MPM
Bromoform	ND	ug/L	0.20	1.00	1		01/27/12	MPM
Bromomethane	ND	ug/L	1.00	3.30	1		01/27/12	MPM
Carbon Tetrachloride	ND	ug/L	0.30	1.00	1		01/27/12	MPM
Chlorobenzene	ND	ug/L	0.20	1.00	1		01/27/12	MPM
Chloroethane	ND	ug/L	0.70	2.30	1		01/27/12	MPM
Chloroform	ND	ug/L	0.20	1.00	1		01/27/12	MPM
Chloromethane	0.89	ug/L	0.40	1.30	1	J	01/27/12	MPM
cis-1,2-Dichloroethylene	ND	ug/L	0.40	1.30	1		01/27/12	MPM
cis-1,3-Dichloropropylene	ND	ug/L	0.20	1.00	1		01/27/12	MPM
Dibromochloromethane	ND	ug/L	0.40	1.30	1		01/27/12	MPM
Dibromomethane	ND	ug/L	0.40	1.30	1		01/27/12	MPM
Dichlorodifluoromethane	ND	ug/L	0.30	1.00	1		01/27/12	MPM
Ethylbenzene	4.63	ug/L	0.20	1.00	1		01/27/12	MPM
Hexachlorobutadiene	ND	ug/L	1.00	3.30	1		01/27/12	MPM
Isopropylbenzene (Cumene)	0.30	ug/L	0.20	1.00	1	J	01/27/12	MPM
Methylene Chloride	ND	ug/L	0.40	1.30	1		01/27/12	MPM
Methyl-tert-Butyl Ether	ND	ug/L	0.50	2.00	1		01/27/12	MPM

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

Attn: Hillary McGown

PROJECT NO. : Moose Junction Lounge (2490-00)
REPORT NO. : 1201289
DATE REC'D: 01/27/12 10:16
REPORT DATE : 02/08/12 10:59
PREPARED BY : BMS

Sample ID: **Swenson Well** Matrix: **Drinking Water** Sample Date/Time: **01/26/12 10:03** Lab No. : **1201289-06**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 524.2 Continued								
Naphthalene	ND	ug/L	1.00	3.30	1		01/27/12	MPM
Styrene	ND	ug/L	0.10	1.00	1		01/27/12	MPM
Tetrachloroethene	ND	ug/L	0.30	1.00	1		01/27/12	MPM
Toluene	ND	ug/L	0.40	1.30	1		01/27/12	MPM
trans-1,2-Dichloroethylene	ND	ug/L	0.50	1.70	1		01/27/12	MPM
trans-1,3-Dichloropropylene	ND	ug/L	0.40	1.30	1		01/27/12	MPM
Trichloroethene	ND	ug/L	0.40	1.30	1		01/27/12	MPM
Vinyl chloride	ND	ug/L	0.20	1.00	1		01/27/12	MPM
Xylenes, (Total)	4.05	ug/L	1.00	1.00	1		01/27/12	MPM

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

PROJECT NO. : Moose Junction Lounge (2490-00)
REPORT NO. : 1201289
DATE REC'D: 01/27/12 10:16
REPORT DATE : 02/08/12 10:59
PREPARED BY : BMS

Attn: Hillary McGown

Sample ID: **Trip Blank** Matrix: **Water** Sample Date/Time: **01/26/12 0:00** Lab No. : **1201289-07**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 524.2								
1,1,1,2-Tetrachloroethane	ND	ug/L	0.30	1.00	1		01/27/12	MPM
1,1,1-Trichloroethane	ND	ug/L	0.50	1.70	1		01/27/12	MPM
1,1,2,2-Tetrachloroethane	ND	ug/L	0.40	1.30	1		01/27/12	MPM
1,1,2-Trichloroethane	ND	ug/L	0.40	1.30	1		01/27/12	MPM
1,1-Dichloroethane	ND	ug/L	0.40	1.30	1		01/27/12	MPM
1,1-Dichloroethylene	ND	ug/L	0.40	1.30	1		01/27/12	MPM
1,1-Dichloropropylene	ND	ug/L	0.80	2.70	1		01/27/12	MPM
1,2,3-Trichloropropane	ND	ug/L	1.00	3.30	1		01/27/12	MPM
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1.70	1		01/27/12	MPM
1,2,4-Trimethylbenzene	ND	ug/L	0.20	1.00	1		01/27/12	MPM
1,2-Dichlorobenzene	ND	ug/L	0.80	2.70	1		01/27/12	MPM
1,2-Dichloroethane	ND	ug/L	0.30	1.00	1		01/27/12	MPM
1,2-Dichloropropane	ND	ug/L	0.40	1.30	1		01/27/12	MPM
1,3,5-Trimethylbenzene	ND	ug/L	0.20	1.00	1		01/27/12	MPM
1,3-Dichlorobenzene	ND	ug/L	0.20	1.00	1		01/27/12	MPM
1,3-Dichloropropane	ND	ug/L	0.20	1.00	1		01/27/12	MPM
1,4-Dichlorobenzene	ND	ug/L	0.80	2.70	1		01/27/12	MPM
2,2-Dichloropropane	ND	ug/L	1.00	3.30	1		01/27/12	MPM
2-Chlorotoluene	ND	ug/L	0.30	1.00	1		01/27/12	MPM
4-Chlorotoluene	ND	ug/L	0.30	1.00	1		01/27/12	MPM
4-Isopropyltoluene	ND	ug/L	0.40	1.33	1		01/27/12	MPM
Benzene	ND	ug/L	0.20	1.00	1		01/27/12	MPM
Bromobenzene	ND	ug/L	0.30	1.00	1		01/27/12	MPM
Bromodichloromethane	ND	ug/L	0.40	1.30	1		01/27/12	MPM
Bromoform	ND	ug/L	0.20	1.00	1		01/27/12	MPM
Bromomethane	ND	ug/L	1.00	3.30	1		01/27/12	MPM
Carbon Tetrachloride	ND	ug/L	0.30	1.00	1		01/27/12	MPM
Chlorobenzene	ND	ug/L	0.20	1.00	1		01/27/12	MPM
Chloroethane	ND	ug/L	0.70	2.30	1		01/27/12	MPM
Chloroform	ND	ug/L	0.20	1.00	1		01/27/12	MPM
Chloromethane	ND	ug/L	0.40	1.30	1		01/27/12	MPM
cis-1,2-Dichloroethylene	ND	ug/L	0.40	1.30	1		01/27/12	MPM
cis-1,3-Dichloropropylene	ND	ug/L	0.20	1.00	1		01/27/12	MPM
Dibromochloromethane	ND	ug/L	0.40	1.30	1		01/27/12	MPM
Dibromomethane	ND	ug/L	0.40	1.30	1		01/27/12	MPM
Dichlorodifluoromethane	ND	ug/L	0.30	1.00	1		01/27/12	MPM
Ethylbenzene	ND	ug/L	0.20	1.00	1		01/27/12	MPM
Hexachlorobutadiene	ND	ug/L	1.00	3.30	1		01/27/12	MPM
Isopropylbenzene (Cumene)	ND	ug/L	0.20	1.00	1		01/27/12	MPM
Methylene Chloride	ND	ug/L	0.40	1.30	1		01/27/12	MPM
Methyl-tert-Butyl Ether	ND	ug/L	0.50	2.00	1		01/27/12	MPM

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

PROJECT NO. : Moose Junction Lounge (2490-00)
REPORT NO. : 1201289
DATE REC'D: 01/27/12 10:16
REPORT DATE : 02/08/12 10:59
PREPARED BY : BMS

Attn: Hillary McGown

Sample ID: **Trip Blank** Matrix: **Water** Sample Date/Time: **01/26/12 0:00** Lab No. : **1201289-07**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 524.2 Continued								
Naphthalene	ND	ug/L	1.00	3.30	1		01/27/12	MPM
Styrene	ND	ug/L	0.10	1.00	1		01/27/12	MPM
Tetrachloroethene	ND	ug/L	0.30	1.00	1		01/27/12	MPM
Toluene	ND	ug/L	0.40	1.30	1		01/27/12	MPM
trans-1,2-Dichloroethylene	ND	ug/L	0.50	1.70	1		01/27/12	MPM
trans-1,3-Dichloropropylene	ND	ug/L	0.40	1.30	1		01/27/12	MPM
Trichloroethene	ND	ug/L	0.40	1.30	1		01/27/12	MPM
Vinyl chloride	ND	ug/L	0.20	1.00	1		01/27/12	MPM
Xylenes, (Total)	ND	ug/L	1.00	1.00	1		01/27/12	MPM

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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 8021methanol 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/m3 = Milligrams per meter cubed
ng/L = Nanograms per Liter = Parts per trillion(ppt)
> = Greater Than

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

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☒ Other ☐ _____

Page 1 of 1

Facility/Project Name: Moose Junction Lounge	License/Permit/Monitoring Number	Boring Number: GP-1	
Boring Drilled By: Name of crew chief (first, last) and Firm — First Name: Todd Last Name: Knuckey — Firm: Range Environmental Drilling	Date Drilling Started: 01/10/2012	Date Drilling Completed: 01/10/2012	Drilling Method: Push Probe
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level: NA Feet MSL	Surface Elevation: _____ Feet MSL	Borehole Diameter: 2 inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ — State Plane _____ N, _____ E — SE 1/4 of SE 1/4 of Section 18, T 44 N, R 14 W	Lat ° ' " — Long ° ' "	Local Grid Location: ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W	
Facility ID: 816025430	County: Douglas	County Code: 16	Civil Town/City/or Village: Dairyland		

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	24		2	Top 12"= frozen sandy silt	MP									
	18			Bottom 12"= fine grain sand + silt, no odors	SP			–						
	24		4	Top 10"= same as above	SP									
	24			Bottom 14"= medium-coarse grain sand, slight odor				–						
GS 4-6'	24		6	medium-coarse grained sand, saturated, moderate petro. odor	SP			21.6						
	NR		8	NR										
	NR		10	NR										
	NR		12	NR										
GS 12-13'	12			coarse grained sand, wet to saturated, no noticeable odors	SP			5.8						
	24		14	refusal at 13'										
				NR = No Recovery - blind drill										

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

Signature: _____ Firm: Carlson McCain, Inc.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☒ Other ☐ _____

Page 1 of 1

Facility/Project Name: Moose Junction Lounge	License/Permit/Monitoring Number	Boring Number: GP-2	
Boring Drilled By: Name of crew chief (first, last) and Firm — First Name: Todd Last Name: Knuckey — Firm: Lange Environmental Drilling	Date Drilling Started: 01/10/2012	Date Drilling Completed: 01/10/2012	Drilling Method: Push Probe
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level: ____ Feet MSL	Surface Elevation: ____ Feet MSL	Borehole Diameter: 2 inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ — State Plane ____ N, ____ E — SE 1/4 of SE 1/4 of Section 18, T 44 N, R 14 W	Lat ° ' " — Long ° ' "	Local Grid Location: ____ Feet ☐ N ☐ S ____ Feet ☐ E ☐ W	
Facility ID: 816025430	County: Douglas	County Code: 16	Civil Town/City/ or Village: Dairyland		

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	NR		2	NR										
GS 2-4'	24 20		4	brown clayey silt moist, no noticeable odors		MP		0.8						
	NR		6	NR										
	NR		8	NR										
	NR		10	NR										
	NR		12	NR										
GS 12-14'	24 22		14	coarse-grained sand, wet, slight petro. odor		SP		0.6						

NR = No Recovery = blind drill

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

Signature: _____ Firm: Carlson McCain, Inc.

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☒ Other ☐ _____

Page 1 of 1

Facility/Project Name: Moose Junction Lounge	License/Permit/Monitoring Number:	Boring Number: GP-3	
Boring Drilled By: Name of crew chief (first, last) and Firm — First Name: Todd Last Name: Knuckey — Firm: Range Environmental Drilling	Date Drilling Started: 01/10/2012 (mm/dd/yyyy)	Date Drilling Completed: 01/10/2012 (mm/dd/yyyy)	Drilling Method: Push Probe
WI Unique Well No.: _____	DNR Well ID No.: _____	Well Name: _____	Final Static Water Level: _____ Feet MSL
Surface Elevation: _____ Feet MSL	Borehole Diameter: 2 inches		
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ — State Plane _____ N, _____ E	Lat ° ' " — Long ° ' "	Local Grid Location: _____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W	
SE 1/4 of SE 1/4 of Section 18, T 44 N, R 14W			
Facility ID: 816025430	County: Douglas	County Code: 16	Civil Town/City/or Village: Dairyland

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	NR		2	NR										
	NR		4	NR										
GS 4-6'	24/24		6	brown silty sand, very slight odor, moist	SM			0.3						
	NR		8	NR										
	NR		10	NR										
GS 10-12'	24/24		12	brown silty sand, very slight odor, moist	SM			0.6						
				NR=No Recovery-blind drill										

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

Signature: _____ Firm: Carlson McLean, Inc.

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☒ Other ☐ _____

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Moose Junction Lounge		GP-4

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Todd Last Name: Knuckey Firm: Ranger Environmental Drilling	01,10,2012 (m m d d y y y y)	01,10,2012 (m m d d y y y y)	Push Probe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _	_ _ _ _		_____ Feet MSL	_____ Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
SE 1/4 of SE 1/4 of Section 18, T 44 N, R 14 W

Lat ° ' "
Long ° ' "

Local Grid Location
_____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
816025430	Douglas	16	Dairyland

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	NR		2	NR										
	NR		4	NR										
GS 4-6'	24 / 16		6	coarse grained sand, greyish in color, very strong petro. odor saturated.	SP			975.6						
				NR = No Recovery - blind drill										

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

Signature: [signature] Firm: Carlson McClain, Inc.

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Douglas	_ _ _ _ _ _	

Latitude / Longitude (Degrees and Minutes) — Method Code (see instructions)

_ _ ° _ _ . _ _ _ 'N
_ _ ° _ _ . _ _ _ 'W

¼/¼	¼	Section	Township	Range
SE	SE	18	44 N	14 ☐E ☒W

or Gov't Lot #

Well Street Address: 13195 S. State Hwy. 35

Well City, Village or Town: Dairyland — Well ZIP Code: 54830

Subdivision Name — Lot #

Reason For Removal From Service: Abandoned — WI Unique Well # of Replacement Well: _ _ _ _ _ _

3. Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well ☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 01/10/2012

If a Well Construction Report is available, please attach.

Construction Type: ☒ Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (specify): _____

Formation Type: ☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
13'	
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
2"	

Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	25'

2. Facility / Owner Information

Facility Name: Moose Junction Lounge

Facility ID (FID or PWS): 816025430

License/Permit/Monitoring #:

Original Well Owner: Dale Schultz

Present Well Owner: Trent Sprague

Mailing Address of Present Owner: 2116 16½ Street

City of Present Owner	State	ZIP Code
Rice Lake	WI	54868

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☒ No	☐ N/A

Required Method of Placing Sealing Material

☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials

☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:

☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite Chips			
Surface	13'	¼ Bag	

6. Comments

GP-1; Range Environmental Drilling did work under Carlson McCain supervision

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Carlson McCain, Inc.		01/10/2012

Street or Route: 1011 E Central Entrance, Suite 100 — Telephone Number: (218) 625-7004

City: Duluth — State: MN — ZIP Code: 55811

Signature of Person Doing Work: [signature] — Date Signed: 1/27/12

DNR Use Only

Date Received	Noted By
Comments	

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Douglas	_ _ _ _ _ _	

Lattitude / Longitude (Degrees and Minutes) | Method Code (see instructions)

_ _ ° _ _ . _ _ _ 'N
_ _ ° _ _ . _ _ _ 'W

¼ ¼	¼	Section	Township	Range
SE	SE	18	44 N	14 ☐E ☒W

or Gov't Lot #

Well Street Address: 13195 S. State Hwy 35

Well City, Village or Town: Dairyland | Well ZIP Code: 54830

Subdivision Name | Lot #

Reason For Removal From Service: Abandoned | WI Unique Well # of Replacement Well: _ _ _ _ _ _

2. Facility / Owner Information

Facility Name: Moose Junction Lounge

Facility ID (FID or PWS): 816025430

License/Permit/Monitoring #

Original Well Owner: Dale Schultz

Present Well Owner: Trent Sprague

Mailing Address of Present Owner: 2116 16 1/2 St.

City of Present Owner: Rice Lake | State: WI | ZIP Code: 54868

3. Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well ☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 01/10/2012

If a Well Construction Report is available, please attach.

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (specify): _____

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.): 14' | Casing Diameter (in.)

Lower Drillhole Diameter (in.): 2" | Casing Depth (ft.)

Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)? | Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☒ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite Chips			
Surface	14	1/4 bag	

6. Comments

GP-2 j Range Environmental Drilling did work under Carlson McCain supervision.

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Carlson McCain, Inc.		01/10/2012

Street or Route: 1011 E Central Entrance, Suite 100 | Telephone Number: (218) 625-7004

City: Duluth | State: MN | ZIP Code: 55811

Signature of Person Doing Work: [signature] | Date Signed: 1/27/12

DNR Use Only

Date Received	Noted By

Comments

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Douglas	_ _ _ _ _	

Latitude / Longitude (Degrees and Minutes) — Method Code (see instructions)

__ __ ° __ __ . __ __ __ 'N
__ __ ° __ __ . __ __ __ 'W

¼ ¼	¼	Section	Township	Range
SE	SE	18	44 N	14 ☐ E ☒ W

or Gov't Lot #

Well Street Address: 13195 S. State Hwy. 35

Well City, Village or Town: Dairyland — Well ZIP Code: 54830

Subdivision Name — Lot #

Reason For Removal From Service: Abandoned — WI Unique Well # of Replacement Well: _ _ _ _ _

3. Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well ☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 01/10/2012

If a Well Construction Report is available, please attach.

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (specify): _____

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.): 12' — Casing Diameter (in.)

Lower Drillhole Diameter (in.): 2" — Casing Depth (ft.)

Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)? — Depth to Water (feet)

2. Facility / Owner Information

Facility Name: Moose Junction Lounge

Facility ID (FID or PWS): 816025430

License/Permit/Monitoring #:

Original Well Owner: Dale Schultz

Present Well Owner: Trent Sprague

Mailing Address of Present Owner: 2116 16 ½ St.

City of Present Owner: Rice Lake — State: WI — ZIP Code: 54868

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☒ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite chips			
Surface	12'	~¼ bag	

6. Comments

GP-3; Range Environmental Drilling did work under Carlson McCain supervision

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Carlson McCain, Inc.		01/10/2012

Street or Route: 1011 E Central Entrance Suite 100 — Telephone Number: (218) 625-7004

City: Duluth — State: MN — ZIP Code: 55811

Signature of Person Doing Work: [signature] — Date Signed: 1/27/12

DNR Use Only

Date Received	Noted By

Comments

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Douglas	_ _ _ _ _ _	

Latitude / Longitude (Degrees and Minutes) — Method Code (see instructions)

_ _ ° _ _ . _ _ _ 'N
_ _ ° _ _ . _ _ _ 'W

¼ ¼	Section	Township	Range
SE ¼ SE	18	44 N	14 ☐ E ☒ W

or Gov't Lot #

Well Street Address: 13195 S. State Hwy. 35

Well City, Village or Town: Dairyland — Well ZIP Code: 54830

Subdivision Name — Lot #

Reason For Removal From Service: Abandoned — WI Unique Well # of Replacement Well: _ _ _ _ _ _

2. Facility / Owner Information

Facility Name: Moose Junction Lounge

Facility ID (FID or PWS): 816025430

License/Permit/Monitoring #

Original Well Owner: Dale Schultz

Present Well Owner: Trent Sprague

Mailing Address of Present Owner: 2116 16 1/2 St.

City of Present Owner: Rice Lake — State: WI — ZIP Code: 54868

3. Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well ☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 01/10/2012

If a Well Construction Report is available, please attach.

Construction Type: ☒ Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (specify): _____

Formation Type: ☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.): 6' — Casing Diameter (in.)

Lower Drillhole Diameter (in.): 2" — Casing Depth (ft.)

Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)? — Depth to Water (feet): ~5'

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☒ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite Chips			
Surface	6'	< 1/4 bag	

6. Comments

GP-4; Range Environmental Drilling did work under Carlson McLain supervision.

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Carlson McLain, Inc.		01/10/2012

Street or Route: 1011 E Central Entrance, Suite 100 — Telephone Number: (218) 625-7004

City: Duluth — State: MN — ZIP Code: 55811

Signature of Person Doing Work: [signature] — Date Signed: 1/27/12

DNR Use Only

Date Received	Noted By

Comments

State of Wisconsin
Department of Natural Resources

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

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Moose Junction Lounge	Local Grid Location of Well: ☐ft. ☐N. ☐S. ☐ft. ☐E. ☐W.	Well Name: MW-5R
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☒) or Well Location ☒ Lat. 46° 17' 14.47" Long. 92° 09' 18.79" or	Wis. Unique Well No. / DNR Well ID No.
Facility ID: 816025430	St. Plane ____ ft. N, ____ ft. E. S/C/N	Date Well Installed: 07/13/2010 (m m d d y y y y)
Type of Well — Well Code: 11 / MW	Section Location of Waste/Source: SE 1/4 of SE 1/4 of Sec. 18 T. 44 N, R. 14 ☐E ☒W	Well Installed By: Name (first, last) and Firm: Tedd Hubbes / Braun Intertec
Distance from Waste/Source: ~150 ft.	Enf. Stds. Apply ☒	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known
		Gov. Lot Number:

A. Protective pipe, top elevation 0.60 ft. ~~MSL~~

B. Well casing, top elevation 0.10 ft. ~~MSL~~

C. Land surface elevation 0.00 ft. MSL

D. Surface seal, bottom ____ ft. MSL or 0.05 ft.

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

13. Sieve analysis performed? ☐ Yes ☒ No

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

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

16. Drilling additives used? ☐ Yes ☒ No

Describe ____

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

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

F. Fine sand, top ____ ft. MSL or 2 ft.

G. Filter pack, top ____ ft. MSL or 3 ft.

H. Screen joint, top ____ ft. MSL or 4 ft.

I. Well bottom ____ ft. MSL or 14 ft.

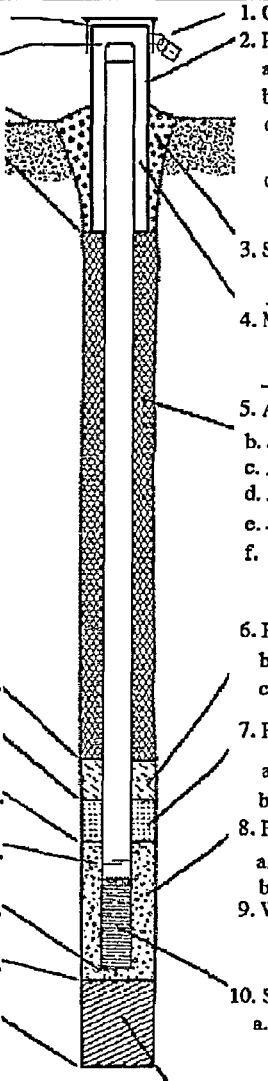
J. Filter pack, bottom ____ ft. MSL or 14 ft.

K. Borehole, bottom ____ ft. MSL or 14 ft.

L. Borehole, diameter 8.25 in.

M. O.D. well casing 2.38 in.

N. I.D. well casing 2.07 in.



1. Cap and lock? ☐ Yes ☒ No

2. Protective cover pipe:
a. Inside diameter: 8.0 in.
b. Length: 1.0 ft.
c. Material: Steel ☒ 04 / Other ☐
d. Additional protection? ☒ Yes ☐ No
If yes, describe: Expandable cap

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

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

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. ____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
c. ____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31
d. ____ % Bentonite ..... Bentonite-cement grout ☐ 50
e. 2.0 Ft³ volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☐ 02 / Gravity ☒ 08

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

7. Fine sand material: Manufacturer, product name & mesh size
a. Red Flint Sand #5
b. Volume added 0.50 ft³

8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint Sand #45-55
b. Volume added 5.0 ft³

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

10. Screen material: PVC
a. Screen type: Factory cut ☐ 11 / Continuous slot ☐ 01 / Other ☐
b. Manufacturer Boart longyear
c. Slot size: 0.10 in.
d. Slotted length: 10 ft.

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

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

Signature: [signature] Firm: Carlson Professional Services

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

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

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

Facility/Project Name	County Name	Well Name
Moose Junction Lounge	Douglas	MW-SR
Facility License, Permit or Monitoring Number	**County Code**	**Wis. Unique Well Number** / **DNR Well ID Number**
0	16	——— / ———

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

2. Well development method

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

3. Time spent developing well 30 min.

4. Depth of well (from top of well casisng) 13.7 ft.

5. Inside diameter of well 2.00 in.

6. Volume of water in filter pack and well casing 11.9 gal.

7. Volume of water removed from well 8.0 gal.

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

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 4.04 ft.	13.70 ft.
Date	b. 07/13/2010 (m m d d y y y y)	07/13/2010
Time	c. 12:45 ☐ a.m. ☒ p.m.	01:15 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	0.3 inches	0.3 inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe)	Clear ☐ 20 Turbid ☒ 25 (Describe)

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

14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Bill Last Name: Jahn
Firm: Carlson Professional Services, Inc.

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party
First Name: Trent Last Name: Sprague
Facility/Firm: Moose Junction Lounge
Street: 2116 16 1/2 St.
City/State/Zip: Rice Lake/WI/54868

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Hillary McBrown
Print Name: Hillary McBrown
Firm: Carlson Professional Services, Inc.

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

Carlson
PROFESSIONAL SERVICES

DAILY PROJECT LOG

Client: Moose Junction Lounge	Contractor: Braun Intertec, Inc.
Site Address: 13195 State Highway 35	Supervisor's Name: Lance
Job Location: Dairyland, WI	Date: 6-24-09
Carlson Project No.: 2490-00	Workers: Lance & mike
On-Site Technician: Bill Jahn	

TIME	NOTES
8:15	Pack / load.
8:35	Leave Carlson. Stop enroute for gas.
9:35	Arrive on-site. (Mileage is 39 miles.) Locate monitoring wells, walk site. Could not locate MW-5. Talking to homeowner, it was in the shoulder of highway 35. Probably hit by snowplow or vehicle.
9:55	Homeowner says we can not come onto her property to install well. Claims there is no contamination on her property. I tried explaining previous work & results, but she won't listen and probably doesn't understand. I asked if I could take photos to document her potable well and she told me no, that she won't allow pictures of her property. Also told me to remove utility flags marking utility lines and asked me to remove MW-2 from her property. Both her (Francine) and her husband, Conrad, are elderly and in their upper 80's. No cell phone coverage on-site. So will wait to Braun arrives, update them, and leave site back to office.
10:10	Braun arrive.
10:20	Leave site.
11:00	Back at office. Update Jeff; call Jamie Dunn, the WDNR project manager.

Carlson
PROFESSIONAL SERVICES

DAILY PROJECT LOG

Client:	Moose Junction Lounge	Contractor:	Braun
Site Address:	13195 Highway 35 South	Supervisor's Name:	Ted Hubbes
Job Location:	Dairyland, WI	Date:	7-13-10
Carlson Project No.:	2490-00	Workers:	
On-Site Technician:	Bill Jahn		

TIME	NOTES
7:00	In office, pack and load equipment.
7:20	Leave office.
7:45	Stop for ice for cooler, also buy bailing rope.
8:35	Arrive on-site. Mileage here is 39 miles.
8:45	Walk site, locate wells. Monitoring wells are locked, so we will need to cut locks.
9:00	Took water level measurement in MW-3. Bailed MW-3, well went dry after 1.5 well volumes. Will let recharge before sampling.
9:20	Took water level measurement in MW-1.
9:25	Braun arrive. Review scope of work and location to install MW-5R.
9:35	Talk to Francine Swenson, private homeowner. She will let me sample her potable well and come on her property to sample MW-2. Braun start MW-5R install.
10:00	Purge and sample Swenson Potable well.
10:25	Purge MW-1. found bailer in bottom of MW-1.
10:45	Sample MW-3.
11:00	Sample MW-1.
11:10	Braun done, and off-site.
11:10	Take Water level measurement and purge MW-2. Well went dry. Let recharge.
11:30	Take water level measurement + purge MW-4. Well went dry. Let sit for recharge.
12:00	Sample MW-2.
12:30	Sample MW-4.
12:45	Take water level measurement in MW-5R. Start purging.
12:50	Continue purging and developing well, let recharge twice and then continued.
1:15	Sample MW-5R.
1:30	Pull utility flags from Francine Swenson's yard.
1:35	Decon and clean equipment.
1:45	Off-site.
2:55	Back at office. Unload equipment.
3:05	Samples to frig. Complete Chain of Custody.
3:20	Done.

Carlson PROFESSIONAL SERVICES

Well Purging and Sample Collection

Well No. MW-1

Project Name/Location: Moose Junction Lounge Project No.: 2490-00

Date: 7-13-10 Weather: Sunny & WARM ~80 F

Purging Method ☐ Pumped ☒ Bailed Other —

Pump Type: — Bailer Type: PVC

Depth to Water (D.T.W.) 5.51 Depth to Bottom (D.T.B.) 9.51

Volume Calculation: (9.51 - 5.51) * 0.163 * 3 = 1.95

Gals./Well Volume: 2.0 - gallons [(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
10:25	2.0	—	—	—	—	—	—	N	clear

Sample No.: MW-1 Time: 11:00

Field Blank ☐ Time: ____ Sample No.: ____

Well Duplicate ☐ Time: ____ Sample No.: ____

Containers: ____ Analysis: PVOC

____ Analysis: ____

____ Analysis: ____

Signature: William H. Fuller Date: 7 / 13 / 10

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

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Carlson PROFESSIONAL SERVICES

Well Purging and Sample Collection

Well No. MW-2

Project Name/Location: Moose Junction Lounge Project No.: 2490-00

Date: 7-13-10 Weather: clouding up, warm ~80F

Purging Method ☐ Pumped ☒ Bailed Other —

Pump Type: — Bailer Type: PVC

Depth to Water (D.T.W.) 6.08 Depth to Bottom (D.T.B.) 14.70

Volume Calculation: (14.70 - 6.08) * 0.163 * 3 = 4.2

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
11:15	20*	—	—	—	—	—	—	Y	dark gray
	* Purged dry after 2.0 gallons. Let recharge and then sampled.								

Sample No.: MW-2 Time: 12:00

Field Blank ☐ Time: _____ Sample No.: _____

Well Duplicate ☐ Time: _____ Sample No.: _____

Containers: _____ Analysis: PVOC

_____ Analysis: _____

_____ Analysis: _____

Signature: William H. Gustin Date: 7/13/10

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

Carlson PROFESSIONAL SERVICES

Well Purging and Sample Collection

Well No. MW-3

Project Name/Location: Moose Junction Lounge Project No.: 2490-00

Date: 7-13-10 Weather: sunny & warm ~80F

Purging Method ☐ Pumped ☑ Bailed Other —

Pump Type: — Bailer Type: PVC

Depth to Water (D.T.W.) 4.05 Depth to Bottom (D.T.B.) 12.85

Volume Calculation: (12.85 - 4.05) * 0.163 * 3 = 4.3

Gals./Well Volume: 4.5 gallons [(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
9:10	2.0⊗	—	—	—	—	—	—	—	cloudy
	⊗ Well bailed dry after only 2-gallons. Let well recharge, then sampled.								

Sample No.: MW-3 Time: 10:45

Field Blank ☐ Time: Sample No.:

Well Duplicate ☐ Time: Sample No.:

Containers: Analysis: PVOC

Analysis:

Analysis:

Signature: William H. Fahn Date: 7 / 13 / 10

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

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Carlson PROFESSIONAL SERVICES

Well Purging and Sample Collection

Well No. MW-4

Project Name/Location: Moose Junction Lounge Project No.: 2490-00

Date: 7-13-10 Weather: cloudy, humid & warm (~80F)

Purging Method ☐ Pumped ☒ Bailed Other —

Pump Type: — Bailer Type: PVC

Depth to Water (D.T.W.) 4.81 Depth to Bottom (D.T.B.) 14.55

Volume Calculation: (14.55 - 4.81) * 0.163 * 3 = 4.76

Gals./Well Volume: 5.0 ~ gallons [(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	2.5 ⊛	—	—	—	—	—	—	N	light brown
	⊛	Well purged dry after only 2.5 gallons. Let recharge and then sampled.							

Sample No.: MW-4 Time: 12:30

Field Blank ☐ Time: Sample No.:

Well Duplicate ☐ Time: Sample No.:

Containers: Analysis: PVOC

Analysis:

Analysis:

Signature: William H. Jahn Date: 7/13/10

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

Carlson PROFESSIONAL SERVICES

Well Purging and Sample Collection

Well No. MW-5R

Project Name/Location: Moose Junction Lounge Project No.: 2490-00

Date: 7-13-10 Weather: mostly cloudy, humid, warm (~80°F)

Purging Method ☐ Pumped ☒ Bailed Other —

Pump Type: — Bailer Type: PVC

Depth to Water (D.T.W.) 4.04 Depth to Bottom (D.T.B.) 13.72

Volume Calculation: (13.72 - 4.04) * 0.163 * 3 = 4.73

Gals./Well Volume: bail 5 gallons [(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
12:45	4.5 ⊗	—	—	—	—	—	—	—	brown
	⊗ Bail 2 extra well volumes to develop well.								

Sample No.: MW-5R Time: 1:15

Field Blank ☐ Time: Sample No.:

Well Duplicate ☐ Time: Sample No.:

Containers: Analysis: PVOC

Analysis:

Analysis:

Signature: William H. Johnson Date: 7/13/10

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

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Carlson
PROFESSIONAL SERVICES

DAILY PROJECT LOG

Client: Moose Junction Lounge	Contractor: —
Site Address: 13195 Hwy 35 South	Supervisor's Name: —
Job Location: Dairyland, WI	Date: 11/23/10
Carlson Project No.: 2490-00	Workers: —
On-Site Technician: HRM	

TIME	NOTES
8:05	Left office for site.
9:05	On-site. Walk over to Francine's to collect potable well sample.
9:15	Collected potable well sample from kitchen sink.
9:30	Back at van to prep. decon & rinse water.
9:40	At MW-3. Sampled at 10:05.
10:10	At MW-4. Sampled at 10:40.
10:45	Locate MW-5R. Sampled at 11:10.
11:15	At MW-1. Sampled at 11:40.
11:45	At MW-2. I collect water level measurement before I pull out the bailer that fell to the bottom. I fish out fallen bailer. Sampled at 12:10.
12:20	Off-site.

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Carlson
PROFESSIONAL SERVICES

WATER LEVEL LOG SHEET

Project Name/Location: Moose Junction Lounge/Dairyland, WI Project No.: 2490-00

Well Number	Depth to Water	Depth to Bottom	Elevation of Top of Pipe	Water Elevation	Comments
MW-1	5.57	12.16			very clear, no noticeable odors, a very slight petro odor
MW-2	6.15	14.80			very dark brown (like root beer) & moderate petro odor
MW-3	3.54	13.02			clear w/ brown tint, slight petro/sulfur odor
MW-4	3.97	14.67			clear w/ drk brwn-yellow tint to clear, slight petro odor
MW-5R	4.34	14.53			clear w/ brwn tint, to very brown & turbid, no noticeable odors

Comments:
- MW-1 well casing cap (metal) doesn't fit with well cap on.
- MW-4 does not have a metal well casing cover
- MW-5R I could not get to screw down

Signature: HPM Date: 11/23/10

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Carlson PROFESSIONAL SERVICES

Well Purging and Sample Collection

Well No. MW-1

Project Name/Location: Moose Junction lounge/ Dairyland, WI Project No.: 2490

Date: 11/23/10 Weather: sunny & ~25°

Purging Method ☐ Pumped ☒ Bailed Other

Pump Type: Bailer Type: PVC

Depth to Water (D.T.W.) 5.57 Depth to Bottom (D.T.B.) 12.16

Volume Calculation: (12.16-5.57) * .163 * 3 = 3.222

Gals./Well Volume: 3.25 [(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
11:17	0.25							N	clear
11:22	1.0							Y very slight petro.	clear
11:26	1.75							Y SAA	clear
	* Bailed well dry at ~ 1.75 gallons *								

Sample No.: MW-1 Time: 11:40

Field Blank ☐ Time: Sample No.:

Well Duplicate ☐ Time: Sample No.:

Containers: 3-40 mL vials Analysis: PVOC + Naph.

Analysis:

Analysis:

Signature: Date: 11 / 23 / 10

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

Carlson PROFESSIONAL SERVICES

Well Purging and Sample Collection

Well No. MW-2

Project Name/Location: Moose Junction Lounge / Dairyland, WI Project No.: 2490-00

Date: 11/23/10 Weather: sunny & 25°

Purging Method ☐ Pumped ☒ Bailed Other

Pump Type: Bailer Type: PVC

Depth to Water (D.T.W.) 6.15 Depth to Bottom (D.T.B.) 14.80

Volume Calculation: (14.80 - 6.15) * .163 * 3 = 4.229

Gals./Well Volume: 4.25 [(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
11:49	0.25							Y mod. petro.	very dark brown-like root beer
11:53	1.0							Y SAA	SAA
11:58	2.0							Y SAA	SAA
12:02	3.0							Y SAA	SAA
12:06	4.0							Y SAA	SAA
12:08	4.75							Y SAA	SAA

Sample No.: MW-2 Time: 12:10

Field Blank ☐ Time: Sample No.:

Well Duplicate ☐ Time: Sample No.:

Containers: 3 40 mL vials Analysis: PVOC+Naph.

Analysis:

Analysis:

Signature: WPM Date: 11/23/10

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

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Carlson PROFESSIONAL SERVICES

Well Purging and Sample Collection

Well No. MW-3

Project Name/Location: Moosejunction lounge/Dairyland, WI Project No.: 2490-00

Date: 11/23/10 Weather: sunny & ~25°

Purging Method ☐ Pumped ☒ Bailed Other

Pump Type: Bailer Type: PVC

Depth to Water (D.T.W.) 3.54 Depth to Bottom (D.T.B.) 13.02

Volume Calculation: (13.02-3.54)*.163*3= 4.63

Gals./Well Volume: 4.75 [(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
9:46	0.25							N	clear w/ brown tint
9:49	1.0							Y slight petro/sulfur	SAA
9:55	1.75							Y SAA	SAA
	★Bailed dry at ~1.75 gallons★								

Sample No.: MW-3 Time: 10:05

Field Blank ☐ Time: Sample No.:

Well Duplicate ☐ Time: Sample No.:

Containers: 3 40mL vials Analysis: PVOC+Naph.

Analysis:

Analysis:

Signature: HBM Date: 11/23/10

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

Carlson PROFESSIONAL SERVICES

Well Purging and Sample Collection

Well No. MW-4

Project Name/Location: Moose Junction Lounge / Bayland, WI Project No.: 2490-00

Date: 11/23/10 Weather: sunny @ ~25°

Purging Method ☐ Pumped ☒ Bailed Other

Pump Type: Bailer Type: PVC

Depth to Water (D.T.W.) 3.97 Depth to Bottom (D.T.B.) 14.67

Volume Calculation: (14.67 - 3.97) * .163 * 3 = 5.232

Gals./Well Volume: 5.25 [(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
10:14	0.25							Y slight-mod. petro	clear w/ drk. brwn-yellow tint
10:18	1.0							Y SAA	SAA
10:24	2.0							Y SAA	clear w/ yellow tint
10:29	3.0							Y SAA	clear
10:35	4.25							Y SAA	clear
		Bailed well dry at 4.25 gallons							

Sample No.: MW-4 Time: 10:40

Field Blank ☐ Time: Sample No.:

Well Duplicate ☐ Time: Sample No.:

Containers: 3 40mL vials Analysis: PVOC + Naph

Analysis:

Analysis:

Signature: TTRM Date: 11/23/10

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

Carlson PROFESSIONAL SERVICES

Well Purging and Sample Collection

Well No. MW-5R

Project Name/Location: Moose Junction Lounge / Dairyland, WI Project No.: 2490-00

Date: 11/23/10 Weather: sunny & ~25°

Purging Method ☐ Pumped ☒ Bailed Other

Pump Type: Bailer Type: PVC

Depth to Water (D.T.W.) 4.34 Depth to Bottom (D.T.B.) 14.53

Volume Calculation: (14.53 - 4.34) * .163 * 3 = 4.982

Gals./Well Volume: 5.0 [(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
10:49	0.25							N	clear w/ brwn tint
10:53	1.0							N	brown & turbid
10:58	2.0							N	SAA
11:03	3.0							N	SAA
11:06	3.50							N	SAA
		☆ Bailed well dry at 3.50 gallons ☆							

Sample No.: MW-5R Time: 11:10

Field Blank ☐ Time: Sample No.:

Well Duplicate ☐ Time: Sample No.:

Containers: 3 40mL Vials Analysis: PVOC + Naph

Analysis:

Analysis:

Signature: Date: 11/23/10

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

Carlson
PROFESSIONAL SERVICES

DAILY PROJECT LOG

Client: Moose Junction Lounge - Terry Sprague	Contractor: —
Site Address: 13195 S. State Rd 35	Supervisor's Name: —
Job Location: Dairyland, WI	Date: 3/4/11
Carlson Project No.: 2490-00	Workers: —
On-Site Technician: HRM	

TIME	NOTES
8:10	Left the office.
9:05	On-site. Prepare decon water.
9:20	Sample Swenson potable well.
9:40	At MW-4 to get water level measurements.
	9:55 begin bailing/purging
	10:20 sampled MW-4.
10:25	Locate MW-5R and collect water level measurements.
	10:40 begin bailing/purging
	11:00 sampled MW-5R.
11:05	At MW-1 to collect water level measurements.
	11:15 begin bailing/purging
	11:30 sampled MW-1.
11:35	At MW-2 to collect water level measurements.
	11:45 begin bailing/purging
	12:10 sampled MW-2.
12:20	off-site.
1:15	Back at office.

Carlson
PROFESSIONAL SERVICES

WATER LEVEL LOG SHEET

Project Name/Location: Moose Junction Lounge / Dairyland, WI Project No.: #2490-00

Well Number	Depth to Water	Depth to Bottom	Elevation of Top of Pipe	Water Elevation	Comments
MW-1	6.11	12.18			clear to brown tinted very slight petro. odor
MW-2	6.63	14.71			dark to light yellow very strong petro. odor
MW-4	4.16	14.64			yellow tinted to clear moderate petro. odor
MW-5R	4.67	13.45			clear to brown + turbid no noticeable odors

Comments: MW-1 metal casing cap will not close - PVC piping has heaved
MW-5R well manhole cover will not screw closed with the well cap on.

Signature: [signature] Date: 3/24/11

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Carlson PROFESSIONAL SERVICES

Well Purging and Sample Collection

Well No. MW-1

Project Name/Location: Moose Junction Lounge / Dairyland, WI Project No.: #2490-00

Date: 3/4/11 Weather: overcast & ~30°

Purging Method ☐ Pumped ☒ Bailed Other

Pump Type: Bailer Type: PVC

Depth to Water (D.T.W.) 6.11 Depth to Bottom (D.T.B.) 12.18

Volume Calculation: (12.18 - 6.11) * .163 * 3 = 2.96 or 3.0 gal

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
11:15	0.25							Y slight	clear
11:18	1.0							Y slight	clear w/ brown tint
11:20	1.25							Y slight	clear w/ brwn tint
	* Bailed well dry at ~1.25 gallons *								

Sample No.: MW-1 Time: 11:30

Field Blank ☐ Time: Sample No.:

Well Duplicate ☐ Time: Sample No.:

Containers: 3 40 mL vials Analysis: VOC + naphth.

Analysis:

Analysis:

Signature: [signature] Date: 3 / 4 / 11

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

Carlson PROFESSIONAL SERVICES

Well Purging and Sample Collection

Well No. MW-2

Project Name/Location: Moosejunction lounge / Dairyland, WI Project No.: 2490-00

Date: 3/4/11 Weather: overcast ~30°

Purging Method ☐ Pumped ☒ Bailed Other

Pump Type: Bailer Type: PVC

Depth to Water (D.T.W.) 6.63 Depth to Bottom (D.T.B.) 14.71

Volume Calculation: (14.71-6.63)*.163*3 = 3.95 or 4.0 gal

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
11:45	0.25							Y strong petro.	dark yellow
11:48	1.0							Y strong petro	dark yellow
11:54	2.0							Y strong petro	dark-light yellow
11:59	3.0							Y strong petro	light yellow
12:05	4.0							Y strong petro.	light yellow

Sample No.: MW-2 Time: 12:10

Field Blank ☐ Time: Sample No.:

Well Duplicate ☐ Time: Sample No.:

Containers: 3 40 mL vials Analysis: BTEX + naphth.

Analysis:

Analysis:

Signature: RPM Date: 3 / 4 / 11

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

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Carlson PROFESSIONAL SERVICES

Well Purging and Sample Collection

Well No. MW-4

Project Name/Location: Moose Junction Lounge / Dairyland, WI Project No.: 2490-00

Date: 3/4/11 Weather: overcast & ~30°

Purging Method ☐ Pumped ☒ Bailed Other

Pump Type: Bailer Type: PVC

Depth to Water (D.T.W.) 4.16 Depth to Bottom (D.T.B.) 14.64

Volume Calculation: (14.64 - 4.16) * .163 * 3 = 5.12 or 5.25

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
9:55	0.25							Y mod. petro.	yellow tinted
9:59	1.0							Y mod. petro.	clear
10:03	2.0							Y mod. petro.	clear
10:09	3.0							Y mod. petro.	clear
10:15	4.0							Y mod. petro.	clear
10:18	4.75							Y mod. petro.	clear
	* Bailed well dry at ~4.75 gallons *								

Sample No.: MW-4 Time: 10:20

Field Blank ☐ Time: Sample No.:

Well Duplicate ☐ Time: Sample No.:

Containers: 3 40 mL vials Analysis: PVOC + naphth.

Analysis:

Analysis:

Signature: [signature] Date: 3 / 4 / 11

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

Carlson PROFESSIONAL SERVICES

Well Purging and Sample Collection

Well No. MW-5R

Project Name/Location: Moosejunction Lounge / Dairyland, WI Project No.: 2490-00

Date: 3/4/11 Weather: Overcast & ~30°

Purging Method ☐ Pumped ☒ Bailed Other

Pump Type: Bailer Type: PVC

Depth to Water (D.T.W.) 4.67 Depth to Bottom (D.T.B.) 13.45

Volume Calculation: (13.45 - 4.67) * .163 * 3 = 4.29 or 4.50

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
10:40	0.25							N	clear
10:44	1.0							N	clear
10:48	2.0							N	brown + turbid
10:55	3.0							N	brown + turbid
	* Baited well dry at ~3.0 gallons *								

Sample No.: MW-5R Time: 11:00

Field Blank ☐ Time: Sample No.:

Well Duplicate ☐ Time: Sample No.:

Containers: 3 40mL vials Analysis: PVOC + naphth.

Analysis:

Analysis:

Signature: TRM Date: 3 / 4 / 11

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

Carlson McCain

DAILY PROJECT LOG

Client: Moose Junction Lounge - Terry Sprague	Contractor: —
Site Address: 13195 S. State Rd. 35	Supervisor's Name: —
Job Location: Dairyland, WI	Date: 7/22/11
Carlson Project No.: 2490-00	Workers: —
On-Site Technician: HKM	

TIME	NOTES
11:50	I leave the office for the Site.
12:50	I am on-site. I prepare for sampling Swenson Potable.
1:15	I sample Swenson Potable well.
1:25	I am at MW-4 to get water level measurements.
	1:35 begin purging/ bailing
	1:55 sampled MW-4.
2:00	I am at MW-5R to get water level measurements.
	2:10 begin purging/ bailing
	2:35 sampled MW-5R.
2:40	I am at MW-1 to collect water level measurements.
	2:50 begin purging/ bailing
	3:10 sampled MW-1.
3:15	I am at MW-2 to collect water level measurements.
	3:25 begin purging/ bailing
	3:40 sampled MW-2.
3:50	I am off-site.
4:50	Back at the office.

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WATER LEVEL LOG SHEET

Project Name/Location: Moose Junction Lounge/Dairyland, WI Project No.: #2490-00

Well Number	Depth to Water	Depth to Bottom	Elevation of Top of Pipe	Water Elevation	Comments
MW-1	~~5.41~~	12.20			clear, no noticeable odors
MW-2	5.86	14.75			clear, very strong petro. odor
MW-4	4.23	14.60			dark yellow to clear, slight petro. odor
MW-5R	4.15	13.48			very brown & turbid no noticeable odors

Comments: MW-1 metal well casing will not close - PVC piping has heaved.

Signature: [signature] Date: 7/22/11

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Carlson McCain	Well Purging and Sample Collection	Well No. MW-1

Project Name/Location: Moosejunction lounge/Dairyland, WI Project No.: 2490-00

Date: 7/22/11 Weather: sunny & ~80°

Purging Method ☐ Pumped ☒ Bailed Other

Pump Type: Bailer Type: PVC

Depth to Water (D.T.W.) 5.41 Depth to Bottom (D.T.B.) 12.20

Volume Calculation: (12.20 - 5.41) * .163 * 3 = 3.32

Gals./Well Volume: 3.50 gal. [(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
2:50	0.25							N	clear
2:54	1.0							N	clear
2:59	1.75							N	clear
	Bailed well dry at 1.75 gallons								

Sample No.: MW-1 Time: 3110

Field Blank ☐ Time: Sample No.:

Well Duplicate ☐ Time: Sample No.:

Containers: 3 40 ml vials Analysis: PVOC + Naphth.

Analysis:

Analysis:

Signature: JRM Date: 7/22/11

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

Carlson McCain	Well Purging and Sample Collection	Well No. MW-2

Project Name/Location: Moose Junction Lounge / Dairyland, WI Project No.: 2490-00

Date: 7/22/11 Weather: sunny & ~80°

Purging Method ☐ Pumped ☒ Bailed Other

Pump Type: Bailer Type: PVC

Depth to Water (D.T.W.) 5.86 Depth to Bottom (D.T.B.) 14.75

Volume Calculation: (14.75 - 5.86) * .163 * 3 = 4.34

Gals./Well Volume: 4.50 gal [(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
3:25	0.25							Y strong	clear
3:28	1.0							Y strong	clear
3:32	2.0							Y strong	clear
3:36	3.0							Y strong	clear
3:40	4.50							Y strong	clear

Sample No.: MW-2 Time: 3:40

Field Blank ☐ Time: Sample No.:

Well Duplicate ☐ Time: Sample No.:

Containers: 3 40mL vials Analysis: PVOC + Naphth.

Analysis:

Analysis:

Signature: [signature] Date: 7/22/11

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

Carlson McCain	Well Purging and Sample Collection	Well No. MW-4

Project Name/Location: Moose Junction Lounge / Dairyland, WI Project No.: 2490-00

Date: 7/22/11 Weather: sunny @ 80°

Purging Method ☐ Pumped ☒ Bailed Other

Pump Type: Bailer Type: PVC

Depth to Water (D.T.W.) 4.23 Depth to Bottom (D.T.B.) 14.60

Volume Calculation: (14.60 - 4.23) * .163 * 3 = 5.07

Gals./Well Volume: 5.25 gal [(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
1:35	0.25							Y slight	dark yellow tint
1:38	1.0							Y slight	clear
1:42	2.0							Y slight	clear
1:46	3.0							Y slight	clear
1:50	4.0							Y slight	clear
	Baited well dry at 4.0 gallons								

Sample No.: MW-4 Time: 1:55

Field Blank ☐ Time: Sample No.:

Well Duplicate ☐ Time: Sample No.:

Containers: 3 40 mL vials Analysis: PVOC + Naphth.

Analysis:

Analysis:

Signature: MBM Date: 7 / 22 / 11

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

Carlson McCain	Well Purging and Sample Collection	Well No. MW-5R

Project Name/Location: Moose Junction Lounge / Dairyland, WI Project No.: 249000

Date: 7/22/11 Weather: sunny & ~80°

Purging Method ☐ Pumped ☒ Bailed Other

Pump Type: Bailer Type: PVC

Depth to Water (D.T.W.) 4.15 Depth to Bottom (D.T.B.) 13.48

Volume Calculation: (13.48 - 4.15) * .163 * 3 = 4.56

Gals./Well Volume: 4.75 gal [(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
2:10	0.25							N	brown + turbid
2:13	1.0							N	brown + turbid
2:17	2.0							N	brown + turbid
2:21	3.0							N	brown + turbid
2:23	3.50							N	brown + turbid
	Bailed dry at 3.50 gallons								

Sample No.: MW-5R Time: 2:35

Field Blank ☐ Time: Sample No.:

Well Duplicate ☐ Time: Sample No.:

Containers: 3 40 mL vials Analysis: PVOC + Naphth.

Analysis:

Analysis:

Signature: HBM Date: 7/22/11

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

Carlson McCain

DAILY PROJECT LOG

Client: Trent Sprague	Contractor: —
Site Address: 13195 S 35	Supervisor's Name: —
Job Location: Moose Junction lounge	Date: 10/27/11
Carlson Project No.: 2490-00	Workers: —
On-Site Technician: Hillary McBrown	

TIME	NOTES
8:00	Leave office for the site.
8:55	I am on-site. I knock on Svensons door - no answer. I prepare decon and rinse water. I locate MW-5R.
9:05	At MW-5R. Sampled at 9:40.
	- Francine came and talked to me while I was purging MW-5R - I asked her to flush her well and I will be by shortly to sample it.
9:45	I am at Francine's. She has flushed well for at least 10 min. I sample from her kitchen faucet at 9:55.
10:05	At MW-4. Sample at 10:45.
10:50	At MW-1. Sample at 11:20
11:25	At MW-2. Sample at 11:55.
12:00	Someone arrives to open the bar. She lets me in. I flush the tavern well for ~10 min and sample at 12:10.
12:20	I am offsite.
1:15	Back at office.

Carlson McCain

WATER LEVEL LOG SHEET

Project Name/Location: Moose Junction Lounge / Dairyland Project No.: 2490-00

Well Number	Depth to Water	Depth to Bottom	Elevation of Top of Pipe	Water Elevation	Comments
MW-1	6.47	12.19		95.51	yellow-clear, no noticeable odors
MW-2	7.30	14.65		93.20	clear, strong petro. odor
MW-4	4.69	14.65		92.13	yellow-clear moderate petro. odor
MW-5R	5.29	13.42		91.50	very brown & turbid, no noticeable odors

Comments: MW-1 PVC piping is above metal standpipe - cannot close/lock standpipe
MW-4 " " " " " " " " " " "

Signature: [signature] Date: 10/27/11

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Well Purging and Sample Collection

Well No. MW-1

Project Name/Location: Moose Junction Lounge/Dairyland Project No.: 2490-00

Date: 10/27/11 Weather: cloudy & ~40°

Purging Method ☐ Pumped ☒ Bailed Other

Pump Type: Bailer Type: PVC

Depth to Water (D.T.W.) 6.47 Depth to Bottom (D.T.B.) 12.19

Volume Calculation: (12.19-6.47)*.163*3 = 2.79

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
	0.25							N	clear w/ yellow tint
	0.75							N	clear w/ yellow tint
	1.0							N	clear
	2.0							N	clear
	Bail well dry at 2.0 gallons								

Sample No.: MW-1 Time: 11:20

Field Blank ☐ Time: Sample No.:

Well Duplicate ☐ Time: Sample No.:

Containers: 3 40 mL vials Analysis: PVOC+N

Analysis:

Analysis:

Signature: TBM Date: 10/27/11

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

Carlson McCain

Well Purging and Sample Collection

Well No. MW-2

Project Name/Location: Moose Junction Lounge / Dairyland Project No.: 2490-00

Date: 10/27/11 Weather: cloudy & ~40°

Purging Method ☐ Pumped ☒ Bailed Other

Pump Type: Bailer Type: PVC

Depth to Water (D.T.W.) 7.30 Depth to Bottom (D.T.B.) 14.65 (mushy)

Volume Calculation: (14.65 - 7.30) x .163 x 3 = 3.59

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
	0.25							Y strong	clear
	1.0								
	2.0								
	3.0								
	4.0								

Sample No.: MW-2 Time: 11:55

Field Blank ☐ Time: Sample No.:

Well Duplicate ☐ Time: Sample No.:

Containers: 3 40 mL vials Analysis: PVOC+N

Analysis:

Analysis:

Signature: [signature] Date: 10 / 27 / 11

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

Carlson McCain

Well Purging and Sample Collection

Well No. MW-4

Project Name/Location: Moose Junction Lounge / Dairyland Project No.: 2490-00

Date: 10/27/11 Weather: cloudy & ~40°

Purging Method ☐ Pumped ☒ Bailed Other

Pump Type: Bailer Type: PVC

Depth to Water (D.T.W.) 4.69 Depth to Bottom (D.T.B.) 14.65 (mushy)

Volume Calculation: (14.65 - 4.69) * .163 * 3 = 4.87

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
	0.25							Y moderate	clear w/ yellow tint
	1.0								clear w/ yellow tint
	1.25								clear
	2.0								
	3.0								
	4.0								

Sample No.: MW-4 Time: 10:45

Field Blank ☐ Time: Sample No.:

Well Duplicate ☐ Time: Sample No.:

Containers: 3 40 mL vials Analysis: PVOC+N

Analysis:

Analysis:

Signature: HRM Date: 10 / 27 / 11

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

Carlson McCain	Well Purging and Sample Collection	Well No. MW-5R

Project Name/Location: Moose Junction Lounge / Dairyland Project No.: 2490-00

Date: 10/27/11 Weather: cloudy & ~40°

Purging Method ☐ Pumped ☒ Bailed Other

Pump Type: Bailer Type: PVC

Depth to Water (D.T.W.) 5.29 Depth to Bottom (D.T.B.) 13.42 (mushy)

Volume Calculation: (13.42 - 5.29) * .163 * 3 = 3.97

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
	0.25							N	brown + turbid
	1.0							↓	↓
	2.0								
	3.0								

Sample No.: MW-5R Time: 9:40

Field Blank ☐ Time: Sample No.:

Well Duplicate ☐ Time: Sample No.:

Containers: 3 40 mL vials Analysis: PVOC + N

Analysis:

Analysis:

Signature: HRM Date: 10/27/11

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

Carlson McCain

DAILY PROJECT LOG

Client: Trent Sprague	Contractor: Range Environmental Drilling
Site Address: 13195 S. SH 35	Supervisor's Name: Todd Knuckey
Job Location: Moose Junction Lounge	Date: 1/10/12
Carlson Project No.: 2490-00	Workers: —
On-Site Technician: Hillary McBrown	

TIME	NOTES
10:30	I leave the office for the Site.
11:20	I am on-site. Todd pulls in just behind me. He warms up his truck.
11:55	We begin GP-1 adjacent to MW-2.
	- We have to move 3 times to get the boring to at least 12 feet.
12:50	Finally done with GP-1; we got to 13'.
1:05	Begin GP-2 near the NW corner of a shed on Swenson property.
1:30	Done with GP-2; advanced to 14'.
1:43	Begin GP-3 in the middle of Moose Road.
2:05	Done with GP-3; advanced to 12'.
2:10	Begin GP-4 - adjacent to MW-1.
2:22	Done with GP-4 only advanced to 6'.
2:30	Todd and I survey in the wells.
3:00	I am offsite.
4:00	I am back at the office.

Carlson McCain

DAILY PROJECT LOG

Client: Trent Sprague	Contractor: —
Site Address: 13195 S SH 35	Supervisor's Name: —
Job Location: Moose Junction Lounge	Date: 1/26/12
Carlson Project No.: 2490-00	Workers: —
On-Site Technician: Hillary McGowan	

TIME	NOTES
9:00	I leave the office for the site.
9:50	I am on-site. I prepare decon and rinse water.
10:00	I go to Francine Swenson's house. She lets me in to the basement- I usually sample her well from the kitchen faucet but this time it is from a basement sink- I do not ask why she doesn't want me to use her kitchen sink. She has flushed this faucet for ~10 minutes prior. I sample her well at 10:03.
10:30	At MW-3. Sample at 11:00.
11:05	Get depth to water measurement for MW-1.
11:10	At MW-4. Sample at 11:40.
11:45	At MW-5R. Sample at 12:10.
	-While I was purging MW-5R, Trent pulled up to the Tavern. I ask if I can sample his well and if he can flush his well for 10 minutes. He says I can sample it but he can not run it for more than 5 minutes because of draining his holding tanks.
12:15	I sample the Site well. Trent said he could hardly flush the well due to frozen water lines.
12:20	At MW-2. Sample at 12:40.
12:50	Off site.
1:45	Back at office.

Carlson McCain

WATER LEVEL LOG SHEET

Project Name/Location: Moose Junction Lounge/Dairyland Project No.: 2490-00

Well Number	Depth to Water	Depth to Bottom	Elevation of Top of Pipe	Water Elevation	Comments
MW-1	7.41	—		94.57	
MW-2	7.99	14.63		92.57	clear, strong petro. odor, black sediments at very bottom
MW-3	5.10	12.95		95.31	yellow/clear, no odors
MW-4	5.17	14.65		91.65	yellow/clear, moderate petro. odor
MW-5R	5.67	13.43		91.12	Yellow/clear, no noticeable odors

Comments: MW-1, MW-3 and MW-4 well PVC piping has heaved above the metal standpipe/casing.

Signature: HBM Date: 1/26/12

Carlson McCain

Well Purging and Sample Collection

Well No. MW-2

Project Name/Location: Moose Junction Lounge / Dairyland Project No.: 2490-00

Date: 1/26/12 Weather: overcast & 30°

Purging Method ☐ Pumped ☒ Bailed Other

Pump Type: Bailer Type: PVC

Depth to Water (D.T.W.) 7.99 Depth to Bottom (D.T.B.) 14.63

Volume Calculation: (14.63-7.99)*.163*3=3.24

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
	0.25							Y strong	clear
	1.0								
	2.0								
	3.0								
	3.50								

Sample No.: MW-2 Time: 12:40

Field Blank ☐ Time: Sample No.:

Well Duplicate ☐ Time: Sample No.:

Containers: 3 40 mL vials Analysis: PVOC+N

Analysis:

Analysis:

Signature: HRM Date: 1 / 26 / 12

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

Carlson McCain	Well Purging and Sample Collection	Well No. MW-3

Project Name/Location: Moose Junction Lounge/Dairyland Project No.: 2490-00

Date: 1/26/12 Weather: overcast ± 30°

Purging Method ☐ Pumped ☒ Bailed Other

Pump Type: Bailer Type: PVC

Depth to Water (D.T.W.) 5.10 Depth to Bottom (D.T.B.) 12.95

Volume Calculation: (12.95 - 5.10) × .163 × 3 = 3.83

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
	0.25							N	yellowish but clear
	1.0							↓	↓
	2.0							↓	↓

Sample No.: MW-3 Time: 11:00

Field Blank ☐ Time: Sample No.:

Well Duplicate ☐ Time: Sample No.:

Containers: 3 40mL vials Analysis: PVOC+N

Analysis:

Analysis:

Signature: ABM Date: 1/26/12

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

Carlson McCain	Well Purging and Sample Collection	Well No. MW-4

Project Name/Location: Moose Junction Lounge/Dairyland Project No.: 2490-00

Date: 1/26/12 Weather: overcast @ 30°

Purging Method ☐ Pumped ☒ Bailed Other

Pump Type: Bailer Type: PVC

Depth to Water (D.T.W.) 5.17 Depth to Bottom (D.T.B.) 14.65

Volume Calculation: (14.65 - 5.17) * .163 * 3 = 4.63

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
	0.25							Y moderate	clear w/ yellow tint
	1.0								clear w/ yellow tint
	1.25								clear
	2.0								
	3.0								

Sample No.: MW-4 Time: 11:40

Field Blank ☐ Time: Sample No.:

Well Duplicate ☐ Time: Sample No.:

Containers: 3 40mL vials Analysis: PVOC + N

Analysis:

Analysis:

Signature: [signature] Date: 1/26/12

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

Carlson McCain

Well Purging and Sample Collection

Well No. MW-5R

Project Name/Location: Moose Junction Lounge/Dairyland Project No.: 2490-00

Date: 1/26/12 Weather: overcast ± 30°

Purging Method ☐ Pumped ☒ Bailed Other

Pump Type: Bailer Type: PVC

Depth to Water (D.T.W.) 5.67 Depth to Bottom (D.T.B.) 13.43 (mush)

Volume Calculation: (13.43 - 5.67) * .163 * 3 = 3.79

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
	0.25							N	clear
	1.0								clear
	1.50								very brown & turbid
	2.0								very brown & turbid

Sample No.: MW-5R Time: 12:10

Field Blank ☐ Time: Sample No.:

Well Duplicate ☐ Time: Sample No.:

Containers: 3 40 mL vials Analysis: PVOC + N

Analysis:

Analysis:

Signature: RM Date: 1/26/12

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