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June 6, 2002

Mr. Chris Saari
Wisconsin Dept. of Natural Resources
2501 Golf Course Road
Ashland, WI 54806

Mr. Jonathon Young Eagle
101 S. Webster Street
P.O. Box 7921
Madison, WI 53707-7921

RE: Former Schroeder Lumber Yard/Kreher Park, Ashland, Wisconsin
WDNR Project No: 02 REAU

Dear Mr. Saari and Mr. Young Eagle:

Enclosed are your copies of the Phase II Environmental Site Assessment (ESA) Report prepared by MSA Professional Services, Inc. (MSA) for the Former Schroeder Lumber Yard/Kreher Park project.

We have appreciated the opportunity to work with the Department on this project. We look forward to hearing your comments.

Sincerely,

MSA Professional Services, Inc.

Brian J. Hegge
Project Manager

BJH/jcp
Enc.

Cc: Lynette Carney, MSA, Duluth, MN

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Phase II Environmental Site Assessment Report

Former Schroeder Lumber/
Kreher Park Property
Ashland, Wisconsin

MSA Project No. 212936
WDNR Project No. 02 REAU

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Phase II Environmental Site Assessment Report

Former Schroeder Lumber/
Kreher Park Property
Ashland, Wisconsin

MSA Project No. 212936
WDNR Project No. 02 REAU

SUBMITTAL CERTIFICATION

The following submittal certifications are provided in accordance with ss. NR 712.07 and NR 712.09, Wis. Adm. Code, and are applicable only to the Former Schroeder Lumber / Kreher Park Project in Ashland, Wisconsin.

I, Heather Krauel, 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 of the 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.

Heather A. Krauel
Project Hydrogeologist

6-6-02
Date

I, Lynette Carney, 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 of the 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.

Lynette Carney, P.G.
Project Hydrogeologist

6-6-02
Date

I, Brian J. Hegge, hereby certify that I am a scientist as that term is defined in s. NR 712.03(3), Wis. Adm. Code, and that, to the best of my knowledge, all of the 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.

Brian J. Hegge, P.H.
Project Manager

6-6-02
Date

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INTRODUCTION

This Phase II Environmental Site Assessment Report (ESA) was prepared for the Former Schroeder Lumber/Kreher Park Project in Ashland, Wisconsin. The purpose of this Phase II ESA was to develop sufficient information to determine whether or not environmental contamination exists in the areas of concern identified in the Phase I ESA completed on the property by MSA Professional Services, Inc. (MSA, October 2001). The Phase II ESA site activities were conducted by MSA under contract with the Wisconsin Department of Natural Resources (WDNR Project No. 02 REAU). The Final Phase II ESA Work Plan (MSA, December 2001) was prepared following the guidance of ASTM Standard E 1903-97 and in accordance with applicable chapters of NR 716, Wis. Adm. Code, to meet the goals of the Phase II ESA. A Quality Control/Quality Assurance Plan (MSA, October 2001) was created by MSA presenting equipment decontamination procedures, sample preservation and handling procedures, and laboratory detection limits and quality control for the Phase II ESA activities. Site activities were completed under the guidance of the Site Safety Plan (MSA, October 2001) developed for the project.

BACKGROUND INFORMATION

SITE INFORMATION

The property location is illustrated on Figure 1. It consists of approximately 12.7 acres and is located at the northern terminus of Willis Avenue in the S½ of the NW¼ of Section 33, Township 48 North, Range 4 West, City of Ashland, Ashland County (see Figure 2). Pertinent information regarding the site contact person, site location, and site description follows:

WDNR Contacts:

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Ashland, WI 54806
Telephone: 715-685-2920

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SITE HISTORY

The City of Ashland utilizes the property as a park with a swimming beach, playground, boat landing, and recreational vehicle (RV) parking area. A walking trail passes through the property

along the lakefront. Kreher Park is located approximately six blocks north of downtown Ashland along the shore of Chequamegon Bay of Lake Superior.

Numerous sawmills were constructed in the mid-to-late 1800's along the lakeshore and operated until approximately 1940. The sawmill on the subject property reportedly contained a wood treatment facility in the 1930's. The sawmill was removed from the property by 1946 and Sunset Park (now named Kreher Park) was developed beginning in the 1970's after filling and leveling with general fill material and dredge spoils.

A coal tar pit and/or creosote wood treating operation was reportedly in operation at the Schroeder Sawmill located immediately west of Kreher Park in the 1920 or 1930's. The wood preservative used in the treatment process was reportedly obtained from a former manufactured gas plant located to the southwest of Kreher Park. The property is currently known as the Ashland Lakefront Site (WDNR BRRTS #02-02-000013) and is currently being reviewed for placement on the Federal Superfund National Priorities List.

GEOLOGY AND HYDROGEOLOGY

The surrounding topography is well drained by intermittent streams and creeks. The site is situated at an elevation of approximately 600 feet above mean sea level (MSL) on the south shore of Chequamegon Bay of Lake Superior.

The surficial soils at the subject property consist of a thin layer of topsoil underlain by earthen fill or dredge spoil material, wood wastes from past sawmill operations, and solid waste materials (i.e., concrete, bricks, glass, steel pieces, wire and cinders). Depth to groundwater was estimated to be 5 to 8 feet below ground surface (bgs) and presumed to flow to the northwest towards Chequamegon Bay.

The regional geology of the area was determined through a review of published geologic literature, regional well constructor reports and United States Geological Survey (USGS) 7.5 minute topographic maps (see Figure 1). The following stratigraphic descriptions of this region have been summarized based on Clayton, Lee 1984 - *Pleistocene Geology of the Superior Region, Wisconsin UWEX - GNHS IC #46*

The site is located within the Superior lowland. The sediments of the lowland are characterized as lake-modified glacial deposits, with subdued topography resulting from wave action or deposition in a water-logged state during high stages of Lake Superior. These deposits include clayey glacial and offshore sediment with offshore and shoreline sand associated with the Chippewa Sublobe.

Surficial post-glacial deposits in the vicinity are classified as either stream sand, gravel, and silt sediments, or organic sediments associated with low-lying swamps. The majority of the glacial deposits making up the Superior lowland have been classified within the Miller Creek formation.

These deposits, typically no more than 8 meters thick, consists primarily of till. Where the till overlies clayey material, it typically contains between 45 and 85 percent clay, 10 and 40 percent silt, 3 and 20 percent sand, and a few percent or less of pebbles, cobbles, and boulders. Where it overlies sand, the till contains as much as 60 percent sand. It is commonly dull reddish brown and is calcareous. The resulting topography is flat to undulating, probably at least in part as the result of wave action, but probably also because the clayey till was water logged and highly fluid, causing it to be deposited with a gentle surface slope. This Miller Creek Formation stratigraphically overlies the deposits of the Copper Falls Formation.

The Copper Falls Formation includes the bulk of the Pleistocene deposits south of the Superior lowland. The deposit contains reddish to brownish sandy sediment. The Copper Falls Formation is readily distinguished from the overlying Miller Creek Formation, which is more clayey and somewhat redder. The Copper Falls Formation is defined primarily on the basis of its sandy till. However, it includes a large amount of other material, especially sand and gravel deposited by melt-water streams. Using the U.S. Department of Agriculture terminology, the till of the Copper Falls Formation generally is sandy loam and is only slightly calcareous.

The underlying Precambrian rock has been described as feldspathic quartzose sandstone with some orthoquartzite sandstone of the Orienta Formation of late Proterozoic to early Paleozoic age. Regionally, the reported depth to bedrock ranges from 100 feet to 295 feet bgs.

SCOPE OF WORK

The proposed scope of work for the Phase II ESA activities included soil and groundwater sampling designed to provide sufficient information about the presence of the following recognized environmental concerns identified during the Phase I ESA as reported by MSA (October, 2001).

- The subject property has received fill material from sawmill operations (i.e., sawdust and timbers), dredging, and general filling (i.e., concrete, bricks, glass, steel pieces, wire and cinders). Dredge material was reportedly generated during the dredging of the channel in front of the ore docks. Although this dredge material appears to have originated away from the Ashland Lakefront Site, remnants of the coal gasification discharge to Chequamegon Bay may be present in the dredge spoils and therefore this dredge material may be a recognized environmental concern.

- A wood treatment operation was reportedly located near the terminus of Willis Avenue on the Kreher Park property. It is not known whether historical spillage in the area of the former wood treatment tank has resulted in soil and/or groundwater contamination.

- A coal tar pit and/or creosote wood treating operation was reportedly in operation at the Schroeder Sawmill located immediately west of the property in the 1920 or 1930's. The extent of the groundwater contamination originating from the Ashland Lakefront Site has not been determined to the east of Prentice Avenue and onto the Kreher Park property.

- Several railroad spurs have been located on the subject property and railroad tank cars were used to store and/or transport the coal tar on the adjacent Schroeder Sawmill property. It is not known whether historical spillage in area of the former wood treatment tank or along the former railroad tracks has resulted in soil and/or groundwater contamination.

A site topographic and boundary survey, ground penetrating radar (GPR), soil borings and groundwater monitoring were used to assess the above recognized environmental concerns identified in the Phase I ESA completed by MSA (October, 2001). A detailed scope of services was provided in MSA's Phase II Work Plan (December, 2001). The tasks have been summarized below.

SITE TOPOGRAPHIC AND BOUNDARY SURVEY

A site topographic and boundary survey was conducted in order to prepare a base map of the project site. The base map was used to identify utilities, right-of-ways, and vertical and horizontal control of the monitoring wells and pertinent study and investigation features. To complete this task, a detailed topographic survey of the study area had to be performed with a geodimeter by MSA's registered land surveyor.

GROUND PENETRATING RADAR SURVEY

A Ground Penetrating Radar (GPR) unit was used to isolate suspect areas (i.e., depressions, changes in conductivity of groundwater, buried tanks or debris) so soil borings could be performed in these areas thus increasing the probability of locating the former wood treatment pit. The GPR data was downloaded, reviewed and evaluated prior to initiating the soil boring activities to refine the locations of the borings, as necessary. Maps and or figures were prepared to illustrate the subsurface features.

SOIL BORING INVESTIGATION

Sixteen soil borings were completed using hollow-stem drilling methods. Borings were advanced to the water table or until drilling refusal. The borings were not to extend into the underlying Copper Falls formation. Soil samples were screened for the presence of organic vapors in the field using a photoionization detector (PID).

A minimum of one (1), with a maximum of two (2) soil samples were collected for laboratory analysis from each soil boring. The proposed boring locations are illustrated on Figure 3. The location and number of soil borings were modified based upon information gained by the GPR survey and while the soil borings were in progress.

GROUNDWATER MONITORING WELL INSTALLATION

Groundwater monitoring wells were installed in seven soil borings. The proposed monitoring well locations are illustrated on Figure 3.

Two rounds of groundwater samples were to be collected from each monitoring well, 30 calendar days apart. The first round of groundwater samples was to be collected at least 14 days after the monitoring well installation to allow stabilization of the well. Groundwater elevations were also collected at this time to assess groundwater flow direction.

The hydraulic conductivity of the aquifer was determined using a single-point aquifer test (slug test), and the data analyzed using the method of Bouwer and Rice within the AQTESOLV computer program.

METHODS AND DOCUMENTATION

This section presents the methods used during the Phase II ESA to identify potential contamination to the soil and groundwater.

SITE TOPOGRAPHIC AND BOUNDARY SURVEY

A detailed topographic survey of the study area was performed with a geodimeter by MSA's registered land surveyor. The topographic survey was tied into Mean Sea Level (MSL) elevation data. A site benchmark was established in a power pole 400 feet east of 7th Avenue. A sufficient number of shots were recorded to provide adequate site coverage.

GROUND PENETRATING RADAR SURVEY

The GPR method operates by transmitting low powered microwave energy into the ground via an antenna. The GPR signal is reflected back to the antenna by materials with contrasting electrical and physical properties. Reflections observed on GPR records can be non unique, and the data must be interpreted utilizing knowledge of the local setting and expected stratigraphy.

Where the conditions are good for GPR, it can be extremely effective mapping water tables, groundwater flow, and groundwater contamination with no impact on the surface. There are areas where this tool is not effective and they appear mostly in areas with high clay content. The glacial tills of this area provided adequate conditions for the use of GPR.

At the Kreher Park site it is anticipated that the existence of an old buried pit would appear as a disturbance of the surrounding sediments. This disturbance will need to be isolated from the other disturbances to the property from the fill material. Information obtained during the Phase I ESA also indicated that the wood treatment operations were conducted in a wooden container. It is possible that this container was aboveground and evidence of its existence may not be conclusive with the GPR survey. The methods and documentation used during the GPR survey are detailed in the GRP Survey Report completed by Blackjack Consulting, LLC (Blackjack, January 2002) which has been included as Appendix A.

SOIL SAMPLING METHODS

The soil borings were conducted through a 4 by 8 foot piece of plywood placed on the ground surface. By performing the soil borings through the plywood, drill cuttings were deposited directly on top of the plywood by the augers keeping the area immediately adjacent to the borehole relatively undisturbed. The plywood also served to allow easier containerization of the soil cuttings.

Soil samples were obtained during hollow-stem auger drilling using a 2-inch-diameter, split spoon, soil sampler (ASTM D-1586). Upon retrieving the soil sample from the split spoon the sample was logged and a sample for headspace analysis was transferred from the split spoon to a new, quart-size Ziploc® bag. The bags were filled approximately one-half full, shaken, and placed aside, out of direct sunlight.

Headspace samples were analyzed upon completion of drilling and sampling of the individual boreholes. The organic vapor concentration was determined by inserting the probe on the Thermo Environmental Model 580B PID (10.7 electron volt lamp) thru a small opening made in the top of the bag.

Laboratory samples were collected for analysis on the soil sample that exhibited the highest PID and at the bottom of the boring or groundwater interface. In the case where no contamination was indicated by the PID, laboratory analysis was performed at the bottom of the boring or at the groundwater interface. Samples for laboratory analysis were collected in clean, laboratory-supplied, glass jars.

Soil samples were described in the field in 2-foot intervals using the Unified Soil Classification System (USCS, ASTM D2487). Soil boring logs were compiled, including sample intervals, descriptions, blow counts, sample recovery, and PID concentrations. Soil samples were submitted to the laboratory for the following analyses:

- Volatile organic compounds (VOCs);
- Semi-volatile organic compounds (SVOCs);
- Metals: arsenic, cadmium, chromium, copper, iron, lead, nickel and zinc.

Soil sampling and preservation and headspace screening procedures are described in detail in the Phase II Work Plan (MSA, December 2001). Soil borings were abandoned according to the requirements specified in ch. NR 141, Wis. Adm. Code.

GROUNDWATER SAMPLING METHODS

Boreholes for the monitoring wells were extended beyond the water table with 4¼-inch, inside-diameter, hollow-stem augers. The monitoring wells were constructed in accordance with Chapter NR 141 of the Wisconsin Administrative Code. Each monitoring well was assigned a Wisconsin unique well number. The monitoring wells were developed according to the requirements in s. NR 141.21, Wis. Adm. Code. Monitoring wells were developed by alternately surging and purging the well for a minimum of 30 minutes. Surging and purging was performed using a PVC bailer. After surging and purging, the monitoring well was pumped or bailed until ten well volumes were removed or until the well produced sediment-free water. Documentation of monitoring well installation and development was prepared in accordance with WDNR requirements.

Groundwater samples were collected according to WDNR Groundwater Sampling Desk Reference and Field Manual, Publ-DG-037 96 and Publ-DG-038-96, respectively. Aquifer characterization and stabilization data was obtained using recommended field methods outlined in the WDNR Groundwater Sampling Desk Reference. Groundwater samples were submitted to the laboratory for the following analyses:

- Volatile organic compounds (VOCs);
- Semi-volatile organic compounds (SVOCs);
- Metals: arsenic, cadmium, chromium, copper, iron, lead, nickel and zinc.

DETERMINATION OF AQUIFER PARAMETERS

The hydraulic conductivity of the aquifer (K) was determined using a single-point aquifer test (slug test), and the data was analyzed using the method of Bouwer and Rice within the AQTESOLV computer program. Estimates of groundwater velocity (seepage velocity) in the saturated zone were calculated using the equation:

$$V_s = K/n_e (dh/dl)$$

where:

V_s = groundwater or seepage velocity (cm/sec)
K = hydraulic conductivity (cm/sec)
dh/dl = groundwater gradient or change in elevation over distance (unitless)
n_e = effective porosity (unitless)

The transmissivity (T) of an aquifer is a measure of the amount of water that can be transmitted horizontally by the full saturated thickness of the aquifer under a hydraulic gradient of one. The monitoring wells at this site do not fully penetrate the aquifer, therefore, the height of water in the well was substituted for the full saturated thickness of the aquifer. Estimates of transmissivity for the surficial aquifer were calculated using the following equation:

$$T = Kb$$

where:

T = transmissivity (cm^2/sec)
K = hydraulic conductivity (cm/sec)
b = thickness of the saturated portion of the well (cm)

DOCUMENTATION

The GPR Survey Report completed by Blackjack Consulting has been included as Appendix A. Soil boring logs and abandonment forms are provided in Appendix B. The groundwater monitoring well information form, construction reports and development forms are included in Appendix C.

Groundwater sampling field procedures and field sheets are documented in Appendix D. Soil and groundwater laboratory reports are located in Appendix E. Aquifer parameter calculations are provided in Appendix F.

Investigation-derived waste was placed in labeled and approved Department of Transportation, 55-gallon drums and are temporarily stored at the adjacent Ashland/Northern States Power Company Lakefront Site pending arrangements for proper disposal.

QUALITY ASSURANCE/QUALITY CONTROL

MSA prepared a Quality Control/Quality Assurance Plan (MSA, October 2001) to meet the requirements contained in the WDNR Request for Proposal (RFP). This document presented the equipment decontamination procedures, sampling preservation and handling procedures, and laboratory detection limits and quality control for the Phase II ESA activities.

EVALUATION AND PRESENTATION OF RESULTS

This section presents the results of the Phase II ESA activities.

SITE TOPOGRAPHIC AND BOUNDARY SURVEY

A detailed topographic survey of the study area was competed with a geodimeter by MSA's registered land surveyor. The resulting site layout with contours is presented as Figure 4.

GROUND PENETRATING RADAR SURVEY

Two separate GPR surveys were conducted on December 18, 2001 and January 10, 2002. The initial survey on December 18, 2001 consisted of 25 profiles on a 20 foot north-south line spacing over a 300 by 400 foot area using a 200 mhz unshielded antenna. Based on the results from the first survey, it was decided to expand the project to the north and east. An addtional 25 GPR profiles were gathered on January 10, 2002. The profile spacing was again 20 feet, but the grid was rotated approximately 30 degrees. The two GPR surveys collected over 15,000 feet of GPR for interpretation.

Blackjack's interpretation of the data revealed several sub-parallel linear features thought to be buried railroad grades, or possibly old roads. In addition, several "noisy" areas as well as areas of thicker fill materials were identified to be either possible old building locations or buried debris. Three areas were identified where there was an anomalous data wipeout area related to changes in the subsurface conductivity. These areas were interpreted as areas of buried material.

Based on the results of the two GPR surveys, soil boring and monitoring well locations were adjusted from the locations proposed in the Phase II Work Plan to correspond with the features interpreted by Blackjack. Revised boring and well locations were presented to and approved by the WDNR project manager, Chris Saari, prior to initiating field work. See Appendix A for the complete GRP Survey Report which includes the GPR method, survey layout, interpretations, conclusions and figures.

SOIL

Soil borings were completed at 16 locations, designated SB-1 through SB-16, on January 21, 2002 to January 23, 2002. The actual soil boring locations are presented in Figure 5.

Site Geology

Site-specific stratigraphic information was collected from the soil borings during the investigation

activities to a maximum depth of 24 feet below ground surface (bgs). Information from the borings was interpreted and a generalized stratigraphic relationship of the subsurface sediments was developed. Soil at the site is comprised generally of clay, silt and sand mixtures. The Miller Creek Formation was encountered at the surface at soil boring SB-16 and at a maximum depth of 13.5 feet bgs at soil boring SB-14. The Copper Falls Formation was not encountered.

Headspace Analysis

Headspace analysis was conducted for each sample interval and was used to determine which samples were to be submitted for analysis. Headspace screening results for each sampling interval are recorded on each individual boring log (Appendix B) and Table 1.

Soil Analytical Results

A total of seventeen (17) soil samples were collected and submitted for laboratory analysis. Laboratory analytical results detected concentrations which exceed the Generic Residual Contaminant Level (RCL) defined in Chapter NR 720.11 of the Wisconsin Administrative Code for arsenic and/or chromium at soil borings SB-1, SB-2, SB-3, SB-4, SB-6, SB-9, SB-10, SB-11, SB-12, SB-13, SB-14, SB-15, and SB-16. Concentrations of several SVOCs exceeded the suggested Groundwater Pathway and/or Direct Contact RCLs for Polycyclic Aromatic Hydrocarbons (PAH) defined in Publication RR-519-97 at soil boring SB-7 and SB-13.

Table 2 indicates the soil sample location, depth at which the sample was collected, as well as the Generic Residual Contaminant Level (RCL) defined in Chapter NR 720.09 and 720.11 of the Wisconsin Administrative Code and suggested RCLs for Polycyclic Aromatic Hydrocarbons (PAH) defined in Publication RR-519-97.

GROUNDWATER

Groundwater monitoring wells MW-1 through MW-7 were installed on January 22 and 23, 2002. Monitoring well locations are presented in Figure 5. The monitoring wells were developed according to the requirements in s. NR 141.21, Wis. Adm. Code on January 24, 2002. Two separate rounds of groundwater sampling events were completed, one on February 13, 2002 and one on April 9, 2002. The two groundwater sampling events were to be conducted 30 calendar days apart, but due to excessive snow, the second event was not conducted until April 9, 2002. Due to excessive water covering monitoring well MW-5 on April 9, 2002, groundwater samples were collected from monitoring well MW-5 on April 18, 2002 and water levels were re-recorded for each well.

Hydrogeology

Groundwater encountered during site investigation activities ranged from depths of approximately 3 to 11 feet bgs. Regionally, groundwater flows north, towards Lake Superior. Water levels were

used to interpret local groundwater flow. Contour maps were constructed for water level data collected on January 24, 2002 and April 18, 2002, and are included as Figures 6 and 7, respectively. Water levels and groundwater flow directions at the site are assumed to be seasonally affected but may also be strongly influenced by the proximity of the lake during times of losing vs. gaining, variability in site stratigraphy, and the topographic expression of the landscape. It appears that this is a relatively small, local, non-homogeneous flow system bound at its southern edge and at depth by the Miller Creek Formation. The variations identified between the water table contour maps in Figures 6 and 7, recorded in the winter and spring, respectively, may suggest that this local flow system responds dramatically to changes in recharge.

A slug test was conducted on monitoring well MW-1 on April 9, 2002. Results of the test indicate a hydraulic conductivity value of 9.926×10^{-3} cm/sec (Appendix F). The average horizontal hydraulic gradient calculated for the site is 0.002. Using the measured value of K, the calculated value for hydraulic gradient, and an estimated value for effective porosity of 0.35, the groundwater velocity is calculated to be approximately 58.7 feet/year or 5.67×10^{-5} cm/sec. Using a saturated thickness of 5 feet, the transmissivity is calculated to be 1.51 cm^2/sec.

Groundwater Analytical Results

Groundwater analytical results from monitoring well MW-3 and MW-4 detected arsenic above the Groundwater Quality Preventative Action Limit (PAL) established in chapter NR 140.10 of the Wis. Adm. Code and a PAL exceedence for lead was detected at monitoring well MW-6.

The groundwater analytical results from the two sampling rounds are summarized in Table 3, 4 and 5. Aquifer characterization and stabilization data is summarized in Table 6.

DISCUSSION OF FINDINGS AND CONCLUSIONS

Field observations and soil and groundwater analytical results from the site investigation were analyzed to develop conclusions regarding the potential environmental impacts. Two cross-sections were created to illustrate the site geology, hydrology and contamination concentration and depth at which the samples were collected (see Figure 8 and 9).

SOIL

The results of the soil boring investigation indicate that soil contamination that exceeds the NR 720.11 RCLs is limited to two metals, arsenic and chromium. The RCLs developed in NR 720.11 are levels based on human health risk from direct contact. Of the thirteen samples collected that exceed this standard, only soil borings SB-2, SB-3, SB-4, and SB-13 were collected within four feet of the ground surface. The concentrations of metals detected could be naturally occurring as seen in soil boring SB-16, which was collected from 22 to 24 feet bgs, in the Miller Creek Formation. This sample had detections of both arsenic and chromium.

The compounds benze(a)anthracene, benzo(a)pyrene, benzo(k)fluoranthene and phenanthrene were detected at concentrations which exceed the Groundwater and/or Direct Contact Pathway suggested RCLs for Polycyclic Aromatic Hydrocarbons (PAH) defined in Publication RR-519-97 at SB-7 and SB-13. There were no VOC detections in soil exceeding NR 720.09 RCLs.

GROUNDWATER

Groundwater analytical results from monitoring well MW-3 and MW-4 detected arsenic above the Groundwater Quality Preventative Action Limit (PAL) established in chapter NR 140.10 of the Wis. Adm. Code and a PAL exceedence for lead was detected at monitoring well MW-6. There were no VOC or SVOC detections in groundwater exceeding NR 140.10.

STUDY LIMITATIONS AND RESTRICTIONS

In conducting this assessment, MSA's professional services were provided in a manner consistent with that level of skill, care and judgment ordinarily exercised by similar professionals providing services in this locality under similar conditions, all as measured as of the time MSA's services were rendered. Information provided to MSA by individuals familiar and/or associated with the subject property and/or facility, or adjacent land parcels and/or facilities, has been accepted by MSA in good faith and is assumed to be accurate. Similarly, information provided to MSA by database search services or via governmental or regulatory records or databases, has been accepted by MSA in good faith and is assumed to be accurate. Client has neither requested nor paid MSA to independently verify the truthfulness, accuracy or completeness of the information provided to MSA by database search services, governmental or regulatory records or databases, or by individuals. MSA assumes no responsibility for and provides no certification, warranty or guarantee of the truthfulness, validity, accuracy or completeness of governmental or regulatory records or databases, database search services, or information provided by others to MSA.

This report does not assess the property or facility for the presence or absence of asbestos, lead, or radon. MSA expresses no opinion, finding, conclusion or recommendation regarding these conditions.

MSA's findings, opinions, conclusions and recommendations are based on the actually observed conditions and operations at the property or facility on the specific date or dates of the site tour. Conditions that limit visual observation, such as the presence of snow, thick vegetation, pavement, or structures may interfere with the identification of possible environmental factors or conditions. Hidden or concealed conditions, subsurface conditions, subsequent changes to those conditions actually observed, or incomplete disclosure by others to MSA of past or present activities at, upon or beneath the property or facility, may alter MSA's findings, opinions, conclusions and recommendations contained herein. MSA does not accept, and specifically disavows any responsibility or liability for environmental conditions at the property or facility which currently exists, formerly existed, or may exist in the future.

The information reported herein may trigger for the Client certain obligations pursuant to local, state or federal ordinances, laws, rules or regulations to report the discovery of environmental releases or conditions to local, state or federal regulatory or governmental authorities. Client has not requested and MSA has not provided herein any advice, recommendation or conclusion regarding the reportable nature of any of the findings or observations described herein. The determination of Client's reporting requirements or obligations, if any, under law is a legal conclusion for which MSA assumes no responsibility and about which MSA provides no opinion, conclusion, finding or certification. Client is advised to seek the advice of legal counsel to determine Client's obligations should environmental releases or conditions be noted herein.

Because professional judgments, conclusions and opinions noted in this report are based on limited evidence, there is inherent uncertainty in the findings, opinions, conclusions and recommendations

reached and reported herein. The Client has approved the scope of services and the level of effort for MSA to undertake and, therefore, has determined the corresponding degree of uncertainty as acceptable for the Client's purposes.

This report was prepared for the exclusive use of the Client and not for use or reliance upon by any third-party. Any third-party necessarily has different interests, purposes, concerns, and motives than the Client with regard to this report or assessment. Therefore, use of this report by any third-party is expressly prohibited without the joint written authorization of the Client and MSA, which shall necessarily include the precondition that the third-party agree to accept MSA's "Environmental Consulting Services Agreement," including the limitation of liability and indemnification protections.

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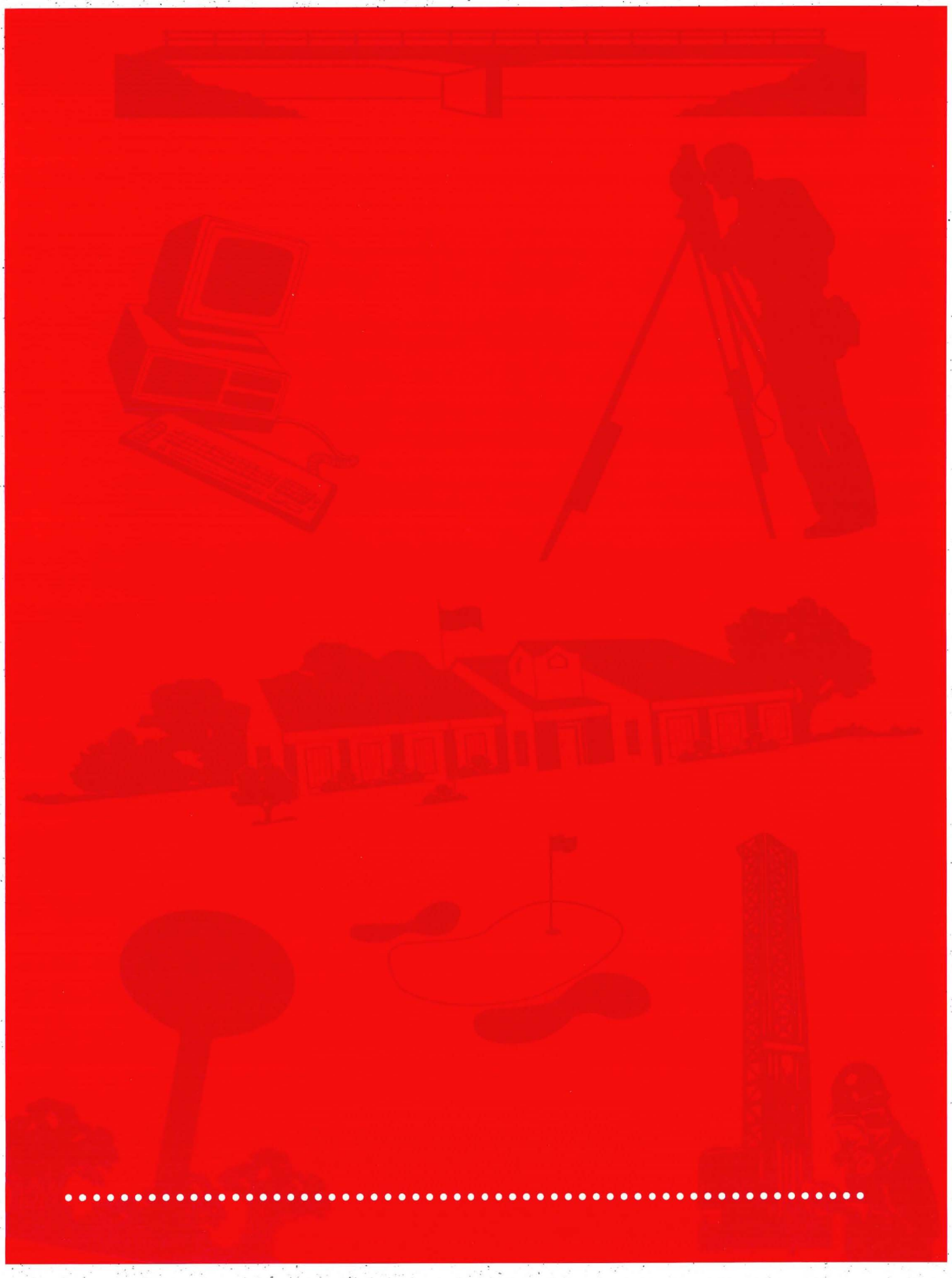


TABLES

TABLE 1
FIELD ORGANIC VAPOR READINGS
Kreher Park
Ashland, Wisconsin

Location	SB-1	SB-2	SB-3	SB-4	SB-5	SB-6	SB-7	SB-8	SB-9	SB-10/MW-1	SB-11/MW-2	SB-12/MW-3	SB-13/MW-4	SB-14/MW-5	SB-15/MW-6	SB-15/MW-7
Depth (feet)																
1	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.8	0.8	0.0	0.1	0.9	1.5	7.1	
2																
3	0.0	0.6	0.0	0.0	0.0	0.0	0.8	0.0	1.0	0.0	0.1		1.3	0.0	5.9	
4																
5	0.0	0.0	0.0	0.0	1.6	0.8	0.0	0.8	0.0	0.0	0.2	0.0	8.0	0.0	4.2	
6																
7	0.0				3.4	1.0	0.0			0.0	0.0	0.0	0.9	1.3	5.0	
8																
9						0.0		0.0		0.8	0.0	0.0			4.2	
10																
11						0.2				61.7	0.1	0.0	5.2		4.6	
12																
13						1.4				0.0	0.0		0.0	0.0	9.0	
14																
15						0.0					0.0		0.0	1.5	9.4	
16																
17						0.0								4.2	8.2	
18																
19															6.9	
20																
21															9.9	
22																
23															13.2	
24																

Explanation:

Concentrations were measured with a Thermo Environmental Instruments OVM Model 580B

Calibration was to 100 ppm isobutylene

TABLE 2
SOIL ANALYTICAL RESULTS SUMMARY
ORGANICS AND METALS
Kreher Park
Ashland, Wisconsin

SAMPLE DESCRIPTIONS					VOCs (mg/kg)							
Boring & Sample No.	Sample Date	Depth (ft. bgs)	PID (ppm eq)	Qualifiers	1,2-Dichloropropane	Ethylbenzene	Isopropylbenzene	n-Butylbenzene	n-Propylbenzene	Naphthalene	sec-Butylbenzene	Toluene
SB-1	1/21/02	4-6'	0.0		<0.022	<0.017	<0.022	<0.024	<0.019	0.313	<0.023	<0.020
SB-2	1/21/02	2-4'	0.6		<0.020	<0.015	<0.020	<0.022	<0.017	0.280	<0.021	<0.018
SB-3	1/21/02	2-4'	0.4	Q	<0.020	<0.016	<0.021	<0.022	<0.018	0.283	<0.021	0.037
SB-4	1/21/02	2-4'	0.0		<0.020	<0.016	<0.021	<0.023	<0.018	<0.048	<0.021	<0.018
SB-5	1/21/02	4-6'	1.6	Q	<0.019	0.065	<0.019	<0.021	<0.017	<0.045	<0.020	0.099
SB-6	1/21/02	18-20'	0.0		<0.017	<0.014	<0.018	<0.019	<0.015	<0.041	<0.018	<0.016
MeOH Blank	1/21/02	--	--		<0.016	<0.013	<0.016	<0.018	<0.014	<0.038	<0.017	<0.015
SB-7	1/22/02	6-8'	0.0	Q	<0.018	<0.014	<0.018	<0.020	<0.015	<0.041	<0.018	<0.016
SB-8	1/22/02	6-8'	na	Q	<0.020	<0.016	<0.020	<0.022	<0.017	0.340	<0.021	0.064
SB-9	1/22/02	4-6'	0.0	Q	<0.018	<0.014	<0.018	<0.019	<0.015	0.255	<0.018	<0.016
SB-10	1/22/02	4-6'	0.0	Q	<0.022	<0.017	<0.022	<0.025	<0.019	<0.052	<0.023	<0.020
SB-10	1/22/02	10-12'	61.7		<0.025	<0.020	<0.025	<0.028	<0.022	<0.058	<0.026	<0.022
SB-11	1/22/02	4-6'	0.0	Q	<0.022	<0.017	<0.023	<0.025	<0.019	<0.052	<0.023	<0.020
SB-12	1/22/02	8-10'	0.0	Q	<0.021	0.043	<0.021	<0.023	<0.018	0.743	<0.022	0.049
SB-13	1/23/02	2-4'	na	Q	<0.020	0.025	0.023	0.038	0.034	2.060	0.028	0.039
MeOH Blank	1/23/02	--	--		<0.016	<0.013	<0.016	<0.018	<0.014	<0.038	<0.017	<0.015
SB-14	1/23/02	4-6'	8.0	Q	0.320	0.054	0.221	1.650	0.431	0.660	0.918	0.063
SB-15	1/23/02	4-6'	0.0	Q	<0.021	<0.016	<0.021	<0.023	<0.018	<0.048	<0.022	<0.019
SB-16	1/23/02	22-24'	13.2	Q	<0.017	<0.014	<0.018	<0.019	<0.015	<0.041	<0.018	<0.016
MeOH Blank	1/23/02	--	--		<0.016	<0.013	<0.016	<0.018	<0.014	<0.038	<0.017	<0.015
NR 720 RCLs (mg/kg)					--	2900	--	--	--	--	--	1500
Groundwater Pathway (Publication RR-519-97)					--	--	--	--	--	--	--	--
Direct Contact Pathway (Publication RR-519-97)					--	--	--	--	--	--	--	--

TABLE 2
SOIL ANALYTICAL RESULTS SUMMARY
ORGANICS AND METALS
Kreher Park
Ashland, Wisconsin

SAMPLE DESCRIPTIONS					VOCs cont. (mg/kg)						SVOCs (mg/kg)	
Boring & Sample No.	Sample Date	Depth (ft. bgs)	PID (ppm eq)	Qualifiers	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	Trichloroethene	1,3, 5-Trimethylbenzene	1,2,4-Trimethylbenzene	Xylenes	Acenaphthene	Acenaphthylene
SB-1	1/21/02	4-6'	0.0		<0.034	<0.032	<0.023	<0.023	<0.020	<0.053	<0.097	<0.084
SB-2	1/21/02	2-4'	0.6		<0.030	<0.029	<0.021	<0.021	<0.018	<0.048	<0.088	<0.076
SB-3	1/21/02	2-4'	0.4	Q	<0.031	<0.029	<0.022	<0.022	<0.019	<0.050	<0.090	<0.078
SB-4	1/21/02	2-4'	0.0		<0.031	<0.030	<0.022	<0.022	<0.019	<0.050	<0.091	<0.079
SB-5	1/21/02	4-6'	1.6	Q	<0.029	<0.028	<0.020	<0.020	0.036	0.050	<0.085	<0.074
SB-6	1/21/02	18-20'	0.0		<0.027	<0.025	<0.019	<0.019	<0.016	<0.043	<0.039	<0.034
MeOH Blank	1/21/02	--	--		<0.025	<0.023	<0.017	<0.017	<0.015	<0.040	na	na
SB-7	1/22/02	6-8'	0.0	Q	<0.027	<0.026	<0.019	<0.019	<0.016	<0.043	<0.039	<0.034
SB-8	1/22/02	6-8'	na	Q	<0.030	<0.029	<0.021	<0.021	<0.018	0.036	<0.088	<0.077
SB-9	1/22/02	4-6'	0.0	Q	<0.027	<0.025	<0.019	<0.019	<0.016	<0.043	<0.039	<0.034
SB-10	1/22/02	4-6'	0.0	Q	<0.034	<0.032	<0.024	<0.024	<0.021	<0.054	<0.099	<0.086
SB-10	1/22/02	10-12'	61.7		<0.038	<0.036	<0.027	<0.027	<0.023	<0.060	<0.111	<0.096
SB-11	1/22/02	4-6'	0.0	Q	<0.034	<0.032	<0.024	<0.024	<0.021	<0.054	<0.099	<0.086
SB-12	1/22/02	8-10'	0.0	Q	<0.032	<0.030	<0.022	0.030	0.063	0.082	<0.046	<0.040
SB-13	1/23/02	2-4'	na	Q	0.032	<0.033	<0.021	0.030	0.050	0.092	0.565	0.206
MeOH Blank	1/23/02	--	--		<0.025	<0.023	<0.017	<0.017	<0.015	<0.040	na	na
SB-14	1/23/02	4-6'	8.0	Q	<0.032	<0.030	0.025	0.307	3.590	0.245	<0.230	<0.200
SB-15	1/23/02	4-6'	0.0	Q	<0.032	<0.030	<0.022	<0.022	<0.019	<0.050	<0.046	<0.040
SB-16	1/23/02	22-24'	13.2	Q	<0.027	<0.025	<0.019	<0.018	<0.016	<0.042	<0.039	<0.034
MeOH Blank	1/23/02	--	--		<0.025	<0.023	<0.017	<0.017	<0.015	<0.040	na	na
NR 720 RCLs (mg/kg)					--	--	--	--	--	4100	--	--
Groundwater Pathway (Publication RR-519-97)					--	--	--	--	--	--	38	0.7
Direct Contact Pathway (Publication RR-519-97)					--	--	--	--	--	--	900	18

TABLE 2
SOIL ANALYTICAL RESULTS SUMMARY
ORGANICS AND METALS
Kreher Park
Ashland, Wisconsin

SAMPLE DESCRIPTIONS					SVOCs cont. (mg/kg)							
Boring & Sample No.	Sample Date	Depth (ft. bgs)	PID (ppm eq)	Qualifiers	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(g,h,I)perylene	Benzo(k)fluoranthene	Chrysene	Dibenzofuran	Fluoranthene
SB-1	1/21/02	4-6'	0.0		<0.078	<0.098	<0.078	<0.104	<0.102	<0.096	<0.102	0.368
SB-2	1/21/02	2-4'	0.6		<0.070	<0.089	<0.070	<0.094	<0.092	<0.087	<0.092	<0.071
SB-3	1/21/02	2-4'	0.4	Q	<0.072	<0.091	<0.072	<0.096	<0.095	<0.089	<0.094	<0.073
SB-4	1/21/02	2-4'	0.0		<0.073	<0.092	<0.073	<0.097	<0.095	<0.090	<0.095	<0.074
SB-5	1/21/02	4-6'	1.6	Q	<0.068	<0.086	<0.068	<0.091	<0.089	<0.084	<0.089	0.299
SB-6	1/21/02	18-20'	0.0		<0.031	<0.039	<0.031	<0.042	<0.041	<0.039	<0.041	<0.032
MeOH Blank	1/21/02	--	--		na	na	na	na	na	na	na	na
SB-7	1/22/02	6-8'	0.0	Q	<0.032	**0.583**	**0.449**	0.315	0.387	0.606	<0.041	<0.032
SB-8	1/22/02	6-8'	na	Q	0.443	<0.089	<0.071	<0.094	<0.093	<0.087	0.175	2.510
SB-9	1/22/02	4-6'	0.0	Q	<0.031	<0.040	<0.031	<0.042	<0.041	<0.039	<0.041	<0.032
SB-10	1/22/02	4-6'	0.0	Q	<0.079	<0.100	<0.079	<0.105	<0.104	<0.098	<0.103	0.166
SB-10	1/22/02	10-12'	61.7		<0.089	<0.112	<0.089	<0.119	<0.117	<0.110	<0.116	<0.090
SB-11	1/22/02	4-6'	0.0	Q	<0.080	<0.101	<0.080	<0.106	<0.104	<0.098	<0.104	0.112
SB-12	1/22/02	8-10'	0.0	Q	<0.037	<0.047	<0.037	<0.049	<0.048	<0.046	<0.048	<0.037
SB-13	1/23/02	2-4'	na	Q	2.340	**5.030**	**4.010**	<0.237	**3.190**	3.800	0.540	9.870
MeOH Blank	1/23/02	--	--		na	na	na	na	na	na	na	na
SB-14	1/23/02	4-6'	8.0	Q	<0.184	<0.233	<0.184	<0.246	<0.242	<0.228	<0.241	<0.187
SB-15	1/23/02	4-6'	0.0	Q	<0.037	<0.046	<0.037	<0.049	<0.048	<0.045	<0.048	<0.037
SB-16	1/23/02	22-24'	13.2	Q	<0.031	<0.039	<0.031	<0.041	<0.041	<0.038	<0.040	<0.031
MeOH Blank	1/23/02	--	--		na	na	na	na	na	na	na	na
NR 720 RCLs (mg/kg)					--	--	--	--	--	--	--	--
Groundwater Pathway (Publication RR-519-97)					3000	17	48	6800	870	37	--	500
Direct Contact Pathway (Publication RR-519-97)					5000	0.0088	0.088	1.8	0.88	8.8	--	600

TABLE 2
SOIL ANALYTICAL RESULTS SUMMARY
ORGANICS AND METALS
Kreher Park
Ashland, Wisconsin

SAMPLE DESCRIPTIONS					SVOCs cont. (mg/kg)						Metals (mg/kg)	
Boring & Sample No.	Sample Date	Depth (ft. bgs)	PID (ppm eq)	Qualifiers	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Phenanthrene	Pyrene	Arsenic	Cadmium
SB-1	1/21/02	4-6'	0.0		<0.111	<0.144	<0.082	<0.082	<0.096	0.497	<2.84	<0.47
SB-2	1/21/02	2-4'	0.6		<0.100	<0.130	<0.074	<0.074	<0.087	<0.081	<2.56	<0.43
SB-3	1/21/02	2-4'	0.4	Q	<0.103	<0.134	<0.076	<0.076	<0.089	<0.083	<2.64	<0.44
SB-4	1/21/02	2-4'	0.0		<0.103	<0.135	<0.076	<0.076	<0.090	<0.084	<2.65	<0.44
SB-5	1/21/02	4-6'	1.6	Q	<0.097	<0.126	0.179	0.186	<0.084	0.370	<2.48	<0.41
SB-6	1/21/02	18-20'	0.0		<0.044	<0.058	<0.033	<0.033	<0.039	<0.036	<2.27	<0.38
MeOH Blank	1/21/02	--	--		na	na	na	na	na	na	na	na
SB-7	1/22/02	6-8'	0.0	Q	<0.045	0.273	<0.033	<0.033	<0.039	<0.036	<2.30	<0.38
SB-8	1/22/02	6-8'	na	Q	0.304	<0.131	0.124	0.170	0.492	2.180	<2.58	<0.43
SB-9	1/22/02	4-6'	0.0	Q	<0.045	<0.058	<0.033	<0.033	<0.039	<0.036	<2.29	<0.38
SB-10	1/22/02	4-6'	0.0	Q	<0.112	<0.147	<0.083	<0.083	<0.098	0.194	**20**	<0.48
SB-10	1/22/02	10-12'	61.7		<0.127	<0.165	<0.093	<0.093	<0.110	<0.102	**11**	<0.54
SB-11	1/22/02	4-6'	0.0	Q	<0.113	<0.148	<0.083	<0.083	<0.098	0.116	**36**	<0.48
SB-12	1/22/02	8-10'	0.0	Q	<0.052	<0.068	0.144	0.056	<0.046	<0.042	**14**	<0.45
SB-13	1/23/02	2-4'	na	Q	1.050	4.010	0.280	0.222	**8.550**	8.870	**27**	<0.43
MeOH Blank	1/23/02	--	--		na	na	na	na	na	na	na	na
SB-14	1/23/02	4-6'	8.0	Q	<0.262	<0.342	<0.193	<0.193	<0.228	<0.213	**24**	<0.45
SB-15	1/23/02	4-6'	0.0	Q	<0.052	<0.068	<0.039	<0.039	<0.045	<0.042	**3.1**	<0.45
SB-16	1/23/02	22-24'	13.2	Q	<0.044	<0.057	<0.032	<0.032	<0.038	<0.036	**8.1**	<0.38
MeOH Blank	1/23/02	--	--		na	na	na	na	na	na	na	na
NR 720 RCLs (mg/kg)					--	--	--	--	--	--	0.039	8
Groundwater Pathway (Publication RR-519-97)					100	680	23	20	1.8	8700	--	--
Direct Contact Pathway (Publication RR-519-97)					600	0.088	1100	600	18	500	--	--

TABLE 2
SOIL ANALYTICAL RESULTS SUMMARY
ORGANICS AND METALS
Kreher Park
Ashland, Wisconsin

SAMPLE DESCRIPTIONS					Metals cont. (mg/kg)					
Boring & Sample No.	Sample Date	Depth (ft. bgs)	PID (ppm eq)	Qualifiers	Chromium (total)	Copper	Iron	Lead	Nickel	Zinc
SB-1	1/21/02	4-6'	0.0		**25**	12	19900	29	16	57
SB-2	1/21/02	2-4'	0.6		**16**	6.5	13300	16	11	36
SB-3	1/21/02	2-4'	0.4	Q	**17**	7.1	13600	19	12	41
SB-4	1/21/02	2-4'	0.0		**18**	9.2	15200	19	13	44
SB-5	1/21/02	4-6'	1.6	Q	13	9.2	12300	44	9.7	66
SB-6	1/21/02	18-20'	0.0		**14**	4.6	14800	6.9	12	25
MeOH Blank	1/21/02	--	--		na	na	na	na	na	na
SB-7	1/22/02	6-8'	0.0	Q	13	4.9	13000	4.6	11	23
SB-8	1/22/02	6-8'	na	Q	12	39	19900	18	13	54
SB-9	1/22/02	4-6'	0.0	Q	**16**	7.5	15100	6.4	13	26
SB-10	1/22/02	4-6'	0.0	Q	**18**	15	15800	20	15	49
SB-10	1/22/02	10-12'	61.7		**17**	10	14000	20	13	47
SB-11	1/22/02	4-6'	0.0	Q	**17**	15	15600	36	14	60
SB-12	1/22/02	8-10'	0.0	Q	13	<0.38	12100	11	14	26
SB-13	1/23/02	2-4'	na	Q	**18**	17	20900	34	22	59
MeOH Blank	1/23/02	--	--		na	na	na	na	na	na
SB-14	1/23/02	4-6'	8.0	Q	**32**	23	22300	42	22	75
SB-15	1/23/02	4-6'	0.0	Q	1.3	0.8	3330	<3.13	1.7	4.9
SB-16	1/23/02	22-24'	13.2	Q	11	5.9	11300	2.9	9.3	21
MeOH Blank	1/23/02	--	--		na	na	na	na	na	na
NR 720 RCLs (mg/kg)					(hexavale	--	--	50	--	--
Groundwater Pathway (Publication RR-519-97)					--	--	--	--	--	--
Direct Contact Pathway (Publication RR-519-97)					--	--	--	--	--	--

TABLE 2
SOIL ANALYTICAL RESULTS SUMMARY
Organics and Metals
Kreher Park
Ashland, Wisconsin

Explanation:

Table presents only those compounds for which there were detections
All results are reported in mg/kg milligrams per kilogram
Results in **bold** equal or exceed the NR 720.09 or 720.11 Wis. Adm. Code Residual Contaminant Level (RCL)
or Publication RR-519-97 RCLs (April 1997)
PID results are reported in parts per million (ppm) isobutylene equivalents
<1.5 = not detected above the indicated detection limit
-- = does not apply
na = not analyzed for this parameter
Q = a parameter was detected below the Limit of Quantitation (LOQ) but above the Limit of Detection (LOD)

TABLE 3
GROUNDWATER ANALYTICAL RESULTS SUMMARY
VOLATILE ORGANIC COMPOUNDS
Kreher Park
Ashland, Wisconsin

	n-Butylbenzene	sec-Butylbenzene	Ethylbenzene	Isopropylbenzene	p-Isopropyltoluene	n-Propylbenzene	Toluene	Trimethylbenzenes	Xylenes	Qualified	Water Level
NR 140 ES	--	--	**700**	--	--	--	**1000**	**480**	**10000**	--	--
NR 140 PAL	--	--	*140*	--	--	--	*200*	*96*	*1000*	--	--
MW-1	Top of Well Screen: 601. Length of Well Screen: 10 Feet										
13-Feb-02	<0.36	<0.34	<0.25	<0.33	53	<0.28	4.7	<0.64	<0.78		600.25
09-Apr-02	<0.36	<0.34	<0.25	<0.33	99	<0.28	5	<0.64	<0.78		600.94
MW-2	Top of Well Screen: 603. Length of Well Screen: 10 Feet										
13-Feb-02	<0.36	<0.34	<0.25	<0.33	10	<0.28	0.86	<0.64	<0.78	Q	600.10
09-Apr-02	<0.36	<0.34	<0.25	<0.33	8.2	<0.28	0.48	<0.64	<0.78	Q	600.25

TABLE 3
GROUNDWATER ANALYTICAL RESULTS SUMMARY
VOLATILE ORGANIC COMPOUNDS
Kreher Park
Ashland, Wisconsin

	n-Butylbenzene	sec-Butylbenzene	Ethylbenzene	Isopropylbenzene	p-Isopropyltoluene	n-Propylbenzene	Toluene	Trimethylbenzenes	Xylenes	Qualified	Water Level
NR 140 ES	--	--	**700**	--	--	--	**1000**	**480**	**10000**	--	--
NR 140 PAL	--	--	*140*	--	--	--	*200*	*96*	*1000*	--	--
MW-3	Top of Well Screen: 605.		Length of Well Screen: 10 Feet								
13-Feb-02	<0.36	<0.34	<0.25	<0.33	38	<0.28	1.2	<0.64	<0.78		600.43
09-Apr-02	<0.36	<0.34	0.28	0.33	31	<0.28	0.46	0.95	1.21	Q	601.01
MW-4	Top of Well Screen: 600.		Length of Well Screen: 10 Feet								
13-Feb-02	<0.36	<0.34	<0.25	<0.33	10	<0.28	1.0	<0.64	0.83	Q	599.94
09-Apr-02	<0.36	<0.34	<0.25	<0.33	6.6	<0.28	<0.29	<0.64	<0.78		600.34

TABLE 3
GROUNDWATER ANALYTICAL RESULTS SUMMARY
VOLATILE ORGANIC COMPOUNDS
Kreher Park
Ashland, Wisconsin

	n-Butylbenzene	sec-Butylbenzene	Ethylbenzene	Isopropylbenzene	p-Isopropyltoluene	n-Propylbenzene	Toluene	Trimethylbenzenes	Xylenes	Qualified	Water Level
NR 140 ES	--	--	**700**	--	--	--	**1000**	**480**	**10000**	--	--
NR 140 PAL	--	--	*140*	--	--	--	*200*	*96*	*1000*	--	--
MW-5	Top of Well Screen: 602.		Length of Well Screen: 10 Feet								
13-Feb-02	0.87	1.1	<0.25	0.42	8.5	0.29	1.5	10.2	1.98	Q	599.94
18-Apr-02	<0.36	<0.34	<0.25	<0.33	0.58	<0.28	<0.29	4.4	<0.78	Q	600.20
MW-6	Top of Well Screen: 607.		Length of Well Screen: 10 Feet								
13-Feb-02	<0.36	<0.34	<0.25	<0.33	180	<0.28	5.3	<0.64	<0.78		599.80
09-Apr-02	<0.72	<0.68	<0.50	<0.66	161	<0.56	1.9	<1.28	<1.60		600.67

TABLE 3
GROUNDWATER ANALYTICAL RESULTS SUMMARY
VOLATILE ORGANIC COMPOUNDS
Kreher Park
Ashland, Wisconsin

	n-Butylbenzene	sec-Butylbenzene	Ethylbenzene	Isopropylbenzene	p-Isopropyltoluene	n-Propylbenzene	Toluene	Trimethylbenzenes	Xylenes	Qualified	Water Level
NR 140 ES	--	--	**700**	--	--	--	**1000**	**480**	**10000**	--	--
NR 140 PAL	--	--	*140*	--	--	--	*200*	*96*	*1000*	--	--
MW-7	Top of Well Screen: 603. Length of Well Screen: 10 Feet										
13-Feb-02	well was dry										
09-Apr-02											
Field Blank											
13-Feb-02	<0.36	<0.34	<0.25	<0.33	1.3	<0.28	<0.29	<0.64	<0.78		--
09-Apr-02	<0.36	<0.34	<0.25	<0.33	<0.31	<0.28	<0.29	<0.64	<0.78		--

TABLE 3
GROUNDWATER ANALYTICAL RESULTS SUMMARY
VOLATILE ORGANIC COMPOUNDS
Kreher Park
Ashland, Wisconsin

	n-Butylbenzene	sec-Butylbenzene	Ethylbenzene	Isopropylbenzene	p-Isopropyltoluene	n-Propylbenzene	Toluene	Trimethylbenzenes	Xylenes	Qualified	Water Level
NR 140 ES	--	--	**700**	--	--	--	**1000**	**480**	**10000**	--	--
NR 140 PAL	--	--	*140*	--	--	--	*200*	*96*	*1000*	--	--

Explanation:

All elevations are in feet relative to Mean Sea Level (MSL)

All results are reported in ug/l, micrograms per liter

Results in **bold** equal or exceed the NR 140 Wis. Adm. Code Enforcement Standard (March 2000)

Results in *italics* equal or exceed the NR 140 Wis. Adm. Code Preventative Action Limit (March 2000)

<0.40 = less than the indicated limit of detection (LOD)

Q = a parameter was above the LOD but below the limit of quatitation (LOQ)

na = not analyzed for this parameter during this sampling event

-- = does not apply

Water levels from the April 2002 were recorded on April 18, 2002

TABLE 4
GROUNDWATER ANALYTICAL RESULTS SUMMARY
SEMI-VOLATILE ORGANIC COMPOUNDS
Kreher Park
Ashland, Wisconsin

	Benzyl alcohol	Bis(2-ethylhexyl)phthalate	Di-n-butylphthalate	Diethylphthalate	1-Methylnaphthalene	3-+4-Methylphenol	Phenol	Qualified	Water Level
NR 140 ES	--	--	--	--	--	--	6000	--	--
NR 140 PAL	--	--	--	--	--	--	1200	--	--
MW-1	Top of Well Screen: 601.26								
13-Feb-02	<1.4	2.0	1.5	<0.62	<0.60	<0.80	<0.80	Q	600.25
09-Apr-02	<1.6	10	3.4	1.6	<0.67	<0.89	<0.89	Q	600.94
MW-2	Top of Well Screen: 603.55								
13-Feb-02	<1.4	<1.3	0.90	<0.62	<0.60	<0.80	<0.80	Q	600.10
09-Apr-02	2.2	4.4	4.2	<0.69	<0.67	<0.89	<0.89	Q	600.25

TABLE 4
GROUNDWATER ANALYTICAL RESULTS SUMMARY
SEMI-VOLATILE ORGANIC COMPOUNDS
Kreher Park
Ashland, Wisconsin

	Benzyl alcohol	Bis(2-ethylhexyl)phthalate	Di-n-butylphthalate	Diethylphthalate	1-Methylnaphthalene	3-+4-Methylphenol	Phenol	Qualified	Water Level
NR 140 ES	--	--	--	--	--	--	6000	--	--
NR 140 PAL	--	--	--	--	--	--	1200	--	--
MW-3	Top of Well Screen: 605.19								
13-Feb-02	<1.4	1.5	1.2	<0.62	<0.60	<0.80	<0.80	Q	600.43
09-Apr-02	3.7	<2.6	4.3	2.8	1.4	<1.6	<1.6	Q	601.01
MW-4	Top of Well Screen: 600.97								
13-Feb-02	<1.4	<1.3	0.78	<0.62	<0.60	<0.80	<0.80	Q	599.94
09-Apr-02	<1.6	14	5.6	2.4	<0.67	0.91	<0.89	Q	600.34

TABLE 4
GROUNDWATER ANALYTICAL RESULTS SUMMARY
SEMI-VOLATILE ORGANIC COMPOUNDS
Kreher Park
Ashland, Wisconsin

	Benzyl alcohol	Bis(2-ethylhexyl)phthalate	Di-n-butylphthalate	Diethylphthalate	1-Methylnaphthalene	3-+4-Methylphenol	Phenol	Qualified	Water Level
NR 140 ES	--	--	--	--	--	--	6000	--	--
NR 140 PAL	--	--	--	--	--	--	1200	--	--
MW-5	Top of Well Screen: 602.30								
13-Feb-02	<1.4	<1.3	1.9	<0.62	1.6	<0.80	<0.80	Q	599.94
18-Apr-02	<1.4	6.9	5.4	<0.62	1.2	<0.80	<0.80	Q	600.20
MW-6	Top of Well Screen: 607.06								
13-Feb-02	<1.4	29	0.64	<0.62	<0.60	11	<0.80	Q	599.80
09-Apr-02	<2.8	4.1	5.1	<1.2	<1.2	519	41	Q	600.20

TABLE 4
GROUNDWATER ANALYTICAL RESULTS SUMMARY
SEMI-VOLATILE ORGANIC COMPOUNDS
Kreher Park
Ashland, Wisconsin

	Benzyl alcohol	Bis(2-ethylhexyl)phthalate	Di-n-butylphthalate	Diethylphthalate	1-Methylnaphthalene	3-+4-Methylphenol	Phenol	Qualified	Water Level
NR 140 ES	--	--	--	--	--	--	6000	--	--
NR 140 PAL	--	--	--	--	--	--	1200	--	--

MW-7	Top of Well Screen: 603.69
13-Feb-02 09-Apr-02	well is was dry

Explanation:
All elevations are in feet relative to Mean Sea Level (MSL)
All results are reported in ug/l, micrograms per liter
Results in **bold** equal or exceed the NR 140 Wis. Adm. Code Enforcement Standard (March 2000)
Results in *italics* equal or exceed the NR 140 Wis. Adm. Code Preventative Action Limit (March 2000)
<0.40 = less than the indicated limit of detection (LOD)
Q = a parameter was above the LOD but below the limit of quatitation (LOQ)
na = not analyzed for this parameter during this sampling event

TABLE 5
GROUNDWATER ANALYTICAL RESULTS SUMMARY
METALS
Kreher Park
Ashland, Wisconsin

	Arsenic	Cadmium	Chromium	Copper	Iron	Lead	Nickel	Zinc	Qualified	Water Level
NR 140 ES	**50**	**5**	**100**	**1300**	--	**15**	**100**	--	--	--
NR 140 PAL	*5*	*0.5*	*10*	*130*	--	*1.5*	*20*	--	--	--
MW-1						Length of Well Screen: 10 Feet				
13-Feb-02	<42	<7	<8	<6	39000	<49	<11	<14		600.25
09-Apr-02	<5.6	<0.4	<8	<6	51000	<1.5	<11	30	Q	600.94
MW-2						Length of Well Screen: 10 Feet				
13-Feb-02	<42	<7	<8	<6	74000	<49	<11	40	Q	600.10
09-Apr-02	<5.6	<0.4	<8	<6	70000	<1.5	<11	20	Q	600.25

TABLE 5
GROUNDWATER ANALYTICAL RESULTS SUMMARY
METALS
Kreher Park
Ashland, Wisconsin

	Arsenic	Cadmium	Chromium	Copper	Iron	Lead	Nickel	Zinc	Qualified	Water Level
NR 140 ES	**50**	**5**	**100**	**1300**	--	**15**	**100**	--	--	--
NR 140 PAL	*5*	*0.5*	*10*	*130*	--	*1.5*	*20*	--	--	--
MW-3						Length of Well Screen: 10 Feet				
13-Feb-02	<42	<8	<8	<6	28000	<49	<11	20	Q	600.43
09-Apr-02	*7.2*	<0.4	<8	<6	22000	<1.5	<11	40	Q	601.01
MW-4						Length of Well Screen: 10 Feet				
13-Feb-02	<42	<7	<8	<6	10000	<49	<11	20	Q	599.94
09-Apr-02	*6.8*	<0.4	<8	<6	5100	<1.5	<11	30	Q	600.34

TABLE 5
GROUNDWATER ANALYTICAL RESULTS SUMMARY
METALS
Kreher Park
Ashland, Wisconsin

	Arsenic	Cadmium	Chromium	Copper	Iron	Lead	Nickel	Zinc	Qualified	Water Level
NR 140 ES	**50**	**5**	**100**	**1300**	--	**15**	**100**	--	--	--
NR 140 PAL	*5*	*0.5*	*10*	*130*	--	*1.5*	*20*	--	--	--
MW-5						Length of Well Screen: 10 Feet				
13-Feb-02	<42	<7	<8	<6	3600	<49	<11	30	Q	599.94
18-Apr-02	<5.6	<0.4	<8	8	290	<1.5	<11	60	Q	600.20
MW-6						Length of Well Screen: 10 Feet				
13-Feb-02	<42	<7	<8	<6	40000	<49	<11	<14		599.80
09-Apr-02	<5.6	<0.4	<8	<6	22000	*1.7*	<11	20	Q	600.67

TABLE 5
GROUNDWATER ANALYTICAL RESULTS SUMMARY
METALS
Kreher Park
Ashland, Wisconsin

	Arsenic	Cadmium	Chromium	Copper	Iron	Lead	Nickel	Zinc	Qualified	Water Level
NR 140 ES	**50**	**5**	**100**	**1300**	--	**15**	**100**	--	--	--
NR 140 PAL	*5*	*0.5*	*10*	*130*	--	*1.5*	*20*	--	--	--

MW-7	Length of Well Screen: 10 Feet
13-Feb-02 09-Apr-02	well is was dry

Explanation:
All elevations are in feet relative to Mean Sea Level (MSL)
All results are reported in ug/l, micrograms per liter
Results in **bold** equal or exceed the NR 140 Wis. Adm. Code Enforcement Standard (March 2000)
Results in *italics* equal or exceed the NR 140 Wis. Adm. Code Preventative Action Limit (March 2000)
<0.40 = less than the indicated limit of detection (LOD)
Q = a parameter was above the LOD but below the limit of quatitation (LOQ)
na = not analyzed for this parameter during this sampling event
-- = does not apply

TABLE 6
AQUIFER CHARACTERIZATION AND STABILIZATION DATA
Kreher Park
Ashland, Wisconsin

MW-1

Sample Date	Temperature deg C	Conductance ms/cm	Dissolved Oxygen mg/l	pH standard unit	Salinity PSS	DO% percent	ORP mV
13-Feb-02	7.32	0.923	0.74	6.5	0.45	6.2	160
09-Apr-02	7.46	1.006	0.56	6.81	0.49	4.8	128

MW-2

Sample Date	Temperature deg C	Conductance ms/cm	Dissolved Oxygen mg/l	pH standard unit	Salinity PSS	DO% percent	ORP mV
13-Feb-02	7.89	2.150	0.56	6.7	1.08	4.7	131
09-Apr-02	8.75	2.050	0.57	6.87	1.03	5.1	92

MW-3

Sample Date	Temperature deg C	Conductance ms/cm	Dissolved Oxygen mg/l	pH standard unit	Salinity PSS	DO% percent	ORP mV
13-Feb-02	9.7	3.040	0.53	6.92	1.56	4.7	122
09-Apr-02	8.48	1.530	0.5	6.81	0.76	4.3	177

TABLE 6
AQUIFER CHARACTERIZATION AND STABILIZATION DATA
Kreher Park
Ashland, Wisconsin

MW-4

Sample Date	Temperature deg C	Conductance ms/cm	Dissolved Oxygen mg/l	pH standard unit	Salinity PSS	DO% percent	ORP mV
13-Feb-02	7.56	1.156	0.75	7.38	0.57	6.3	65
09-Apr-02	8.06	1.230	0.6	7.21	0.51	7.0	79

MW-5

Sample Date	Temperature deg C	Conductance ms/cm	Dissolved Oxygen mg/l	pH standard unit	Salinity PSS	DO% percent	ORP mV
13-Feb-02	8.5	4.010	0.5	6.75	2.09	4.4	189
09-Apr-02	9.01	3.010	0.48	7.09	1.54	4.5	92

MW-6

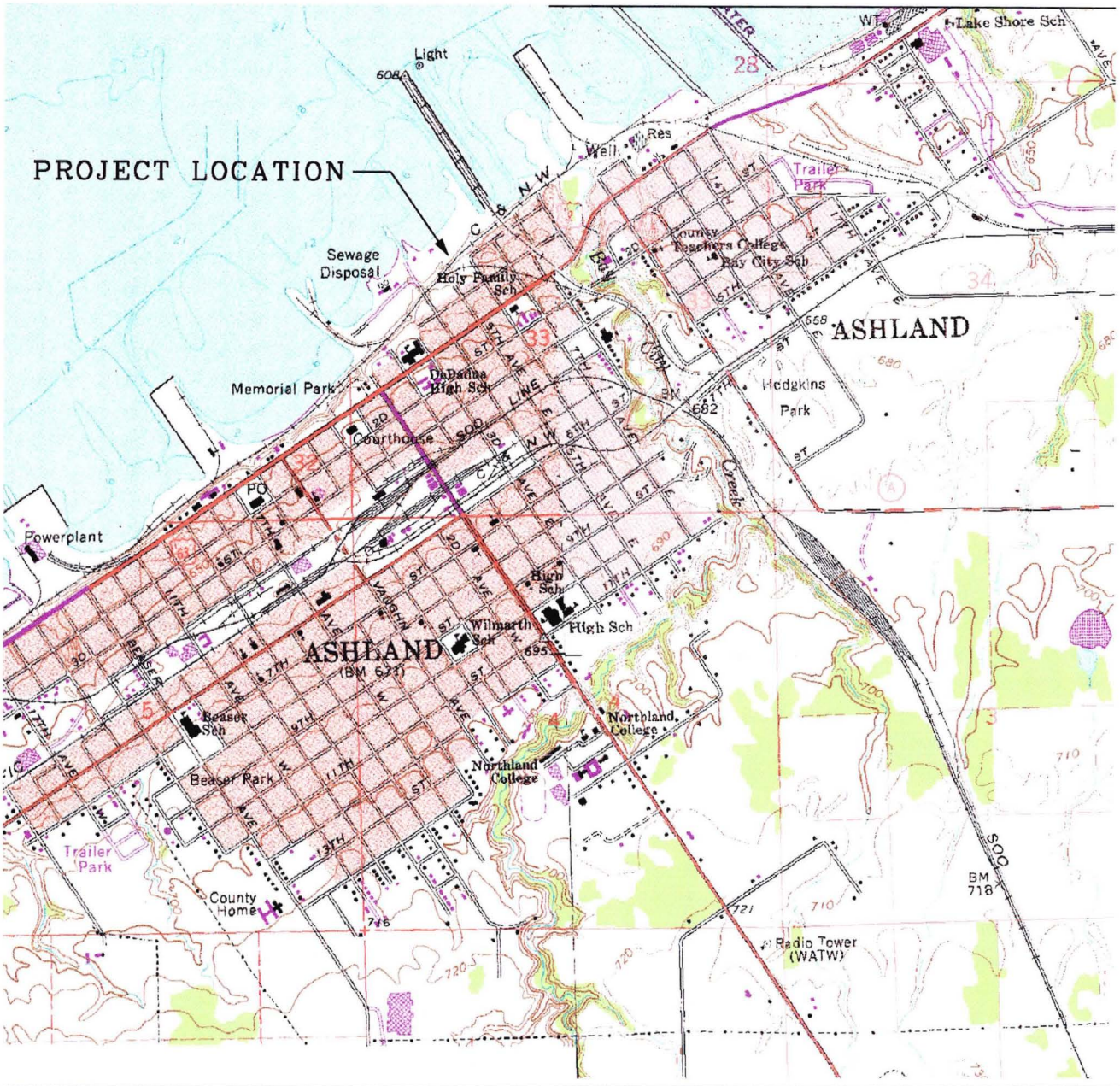
Sample Date	Temperature deg C	Conductance ms/cm	Dissolved Oxygen mg/l	pH standard unit	Salinity PSS	DO% percent	ORP mV
13-Feb-02	9.66	2.750	0.51	7.02	1.40	4.5	7.4
09-Apr-02	9.42	3.170	0.38	7.09	1.63	3.3	-68

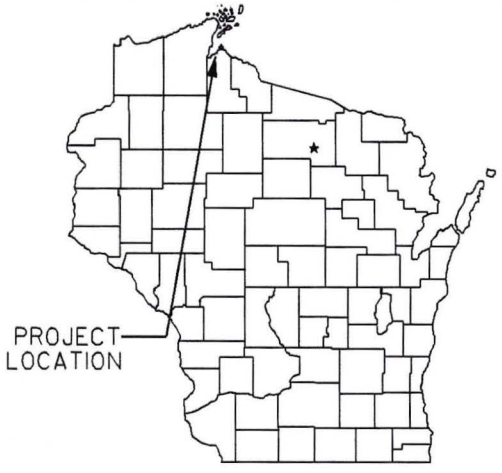
TABLE 6
AQUIFER CHARACTERIZATION AND STABILIZATION DATA
Kreher Park
Ashland, Wisconsin

MW-7							
Sample Date	Temperature deg C	Conductance ms/cm	Dissolved Oxygen mg/l	pH standard unit	Salinity PSS	DO% percent	ORP mV
13-Feb-02	well was dry						
09-Apr-02							

Explanation:
ORP = oxidation-reduction potential
PSS = Practical Salinity Scale

FIGURES





2000 0 2000

SCALE IN FEET
1 INCH = 2000 FT.

N
W E
S

Ashland East & West Quadrangle
Wisconsin- Ashland Co.
7.5 Minute Series (Topographic)
SW/4 SE/4 Ashland 15' Quadrangle
Contour Interval 10 Feet
1975

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FIGURE 1
SITE LOCATION MAP
KREHER PARK, ASHLAND, WI

212936

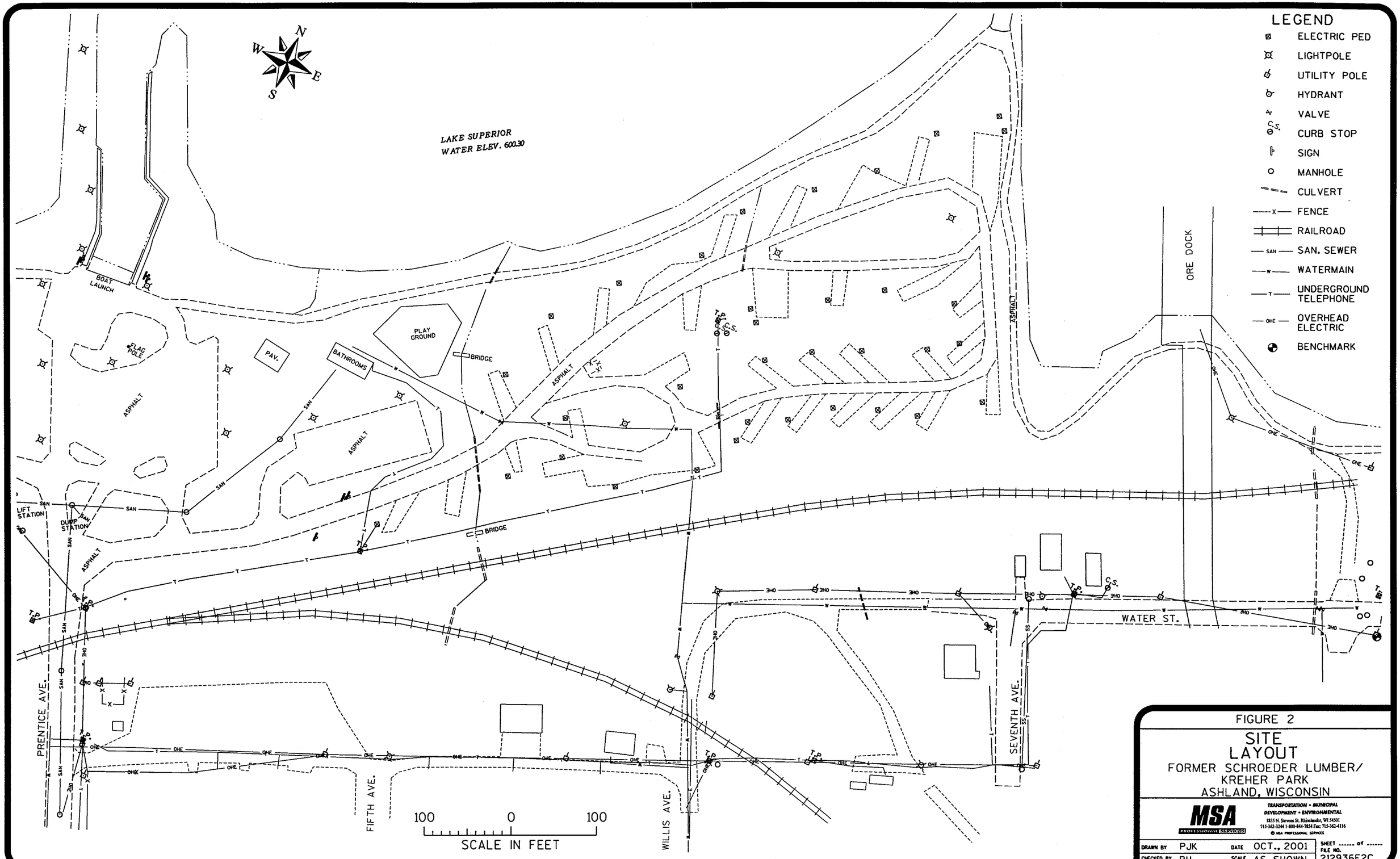

FIGURE 2

SITE LAYOUT

FORMER SCHROEDER LUMBER/
KREHER PARK
ASHLAND, WISCONSIN

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1835 N. Stevens St. Rhinelander, WI 54501
715-362-3244 1-800-844-7854 Fax: 715-362-4116

DRAWN BY	PJK	DATE	OCT., 2001
CHECKED BY	BH	SCALE	AS SHOWN

SHEET ..... of .....
FILE NO. 212936F2C

LAKE SUPERIOR
WATER ELEV. 600.30

BOAT LAUNCH
FLAG POLE
PAV.
PLAY GROUND
BRIDGE
BATHROOMS
ASPHALT
LIFT STATION
DUMP STATION
PRENTICE AVE.
FIFTH AVE.
WILLIS AVE.
SEVENTH AVE.
ORE DOCK
WATER ST.

100 0 100
SCALE IN FEET

LEGEND

- ELECTRIC PED
- LIGHTPOLE
- UTILITY POLE
- HYDRANT
- VALVE
- C.S. CURB STOP
- SIGN
- MANHOLE
- CULVERT
- FENCE
- RAILROAD
- SAN. SEWER
- WATERMAIN
- UNDERGROUND TELEPHONE
- OVERHEAD ELECTRIC
- PROPOSED SOIL BORING
- PROPOSED MONITORING WELL

FIGURE 3

PROPOSED SOIL BORING AND MONITORING WELL LOCATIONS

FORMER SCHROEDER LUMBER/
KREHER PARK
ASHLAND, WISCONSIN

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715-362-3244 1-800-844-7854 Fax: 715-362-4116

DRAWN BY	PJK	DATE	OCT., 2001
CHECKED BY	BH	SCALE	AS SHOWN

SHEET ..... of .....
FILE NO. 212936F2A

LEGEND

SEE FIGURE 2 FOR EXISTING FEATURES

N
W
E
S

LAKE SUPERIOR
WATER ELEV. 600.30

BOAT LAUNCH
FLAG POLE
PAV.
BATHROOMS
PLAY GROUND
BRIDGE
ASPHALT
ASPHALT
ASPHALT
ASPHALT
ASPHALT
ORE DOCK
LIFT STATION
DUMP STATION
BRIDGE
WATER ST.
PRENTICE AVE.
FIFTH AVE.
WILLIS AVE.
SEVENTH AVE.

605 609 610 615 620 625 630 604 602

100 0 100
SCALE IN FEET

FIGURE 4

SITE LAYOUT WITH CONTOURS

FORMER SCHROEDER LUMBER/ KREHER PARK
ASHLAND, WISCONSIN

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DRAWN BY	PJK	DATE	OCT., 2001
CHECKED BY	BH	SCALE	AS SHOWN

SHEET ..... OF .....
FILE NO. 212936F2B

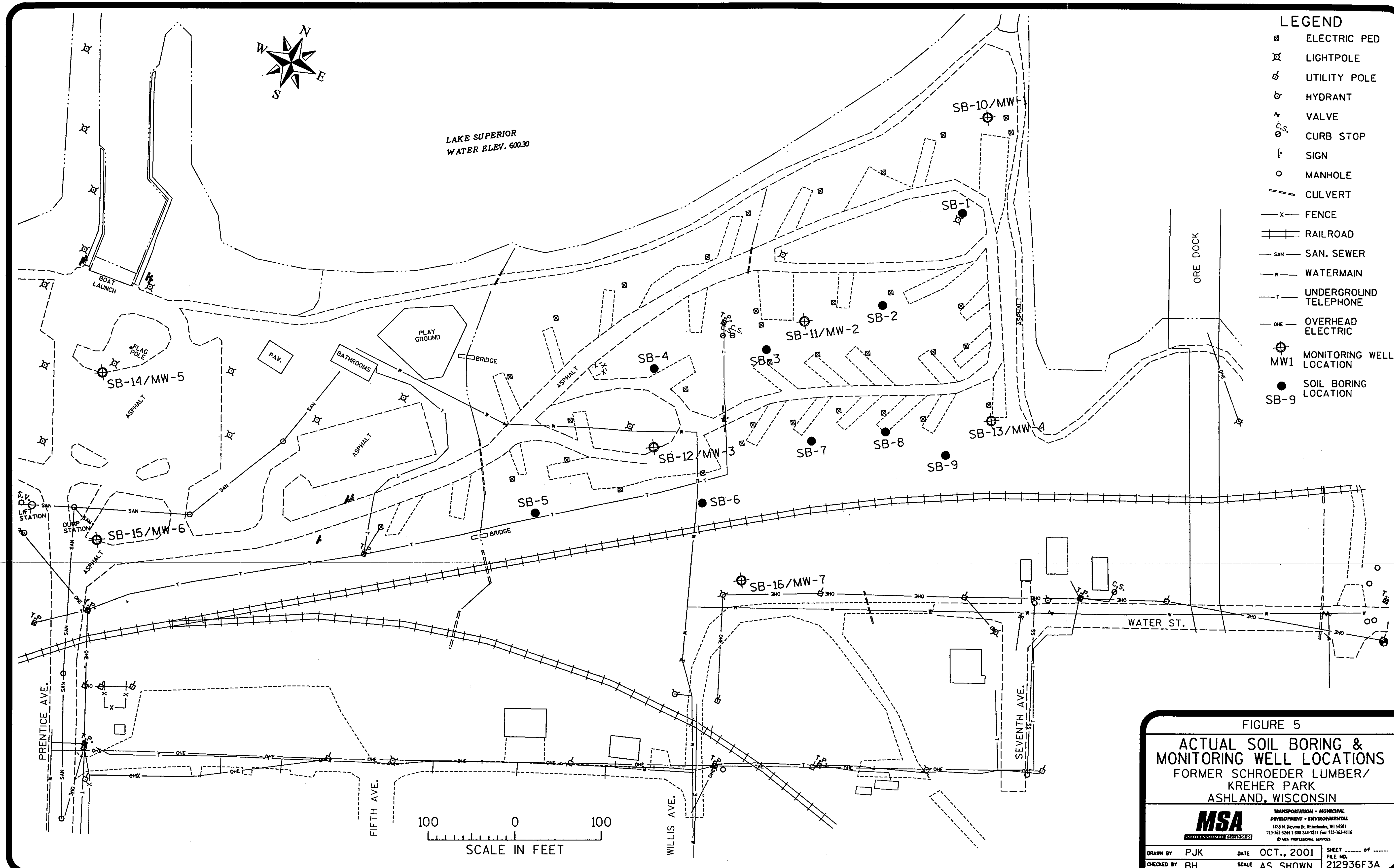
LEGEND
ELECTRIC PED
LIGHTPOLE
UTILITY POLE
HYDRANT
VALVE
CURB STOP
SIGN
MANHOLE
CULVERT
FENCE
RAILROAD
SAN. SEWER
WATERMAIN
UNDERGROUND TELEPHONE
OVERHEAD ELECTRIC
MW1 MONITORING WELL LOCATION
SB-9 SOIL BORING LOCATION
N
E
S
W
LAKE SUPERIOR
WATER ELEV. 600.30
SB-10/MW-1
SB-1
SB-2
SB-11/MW-2
SB-3
SB-4
SB-12/MW-3
SB-13/MW-4
SB-14/MW-5
SB-15/MW-6
SB-16/MW-7
SB-5
SB-6
SB-7
SB-8
SB-9
ORE DOCK
BOAT LAUNCH
FLAG POLE
PAV.
BATHROOMS
PLAY GROUND
BRIDGE
ASPHALT
LIFT STATION
DUMP STATION
S.V.
T.P.
C.S.
SAN
OHE
WATER ST.
PRENTICE AVE.
FIFTH AVE.
WILLIS AVE.
SEVENTH AVE.
100 0 100
SCALE IN FEET

FIGURE 5

ACTUAL SOIL BORING & MONITORING WELL LOCATIONS

FORMER SCHROEDER LUMBER/ KREHER PARK
ASHLAND, WISCONSIN

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DRAWN BY	PJK	DATE	OCT., 2001	SHEET ___ of ___
CHECKED BY	BH	SCALE	AS SHOWN	FILE NO. 212936F3A

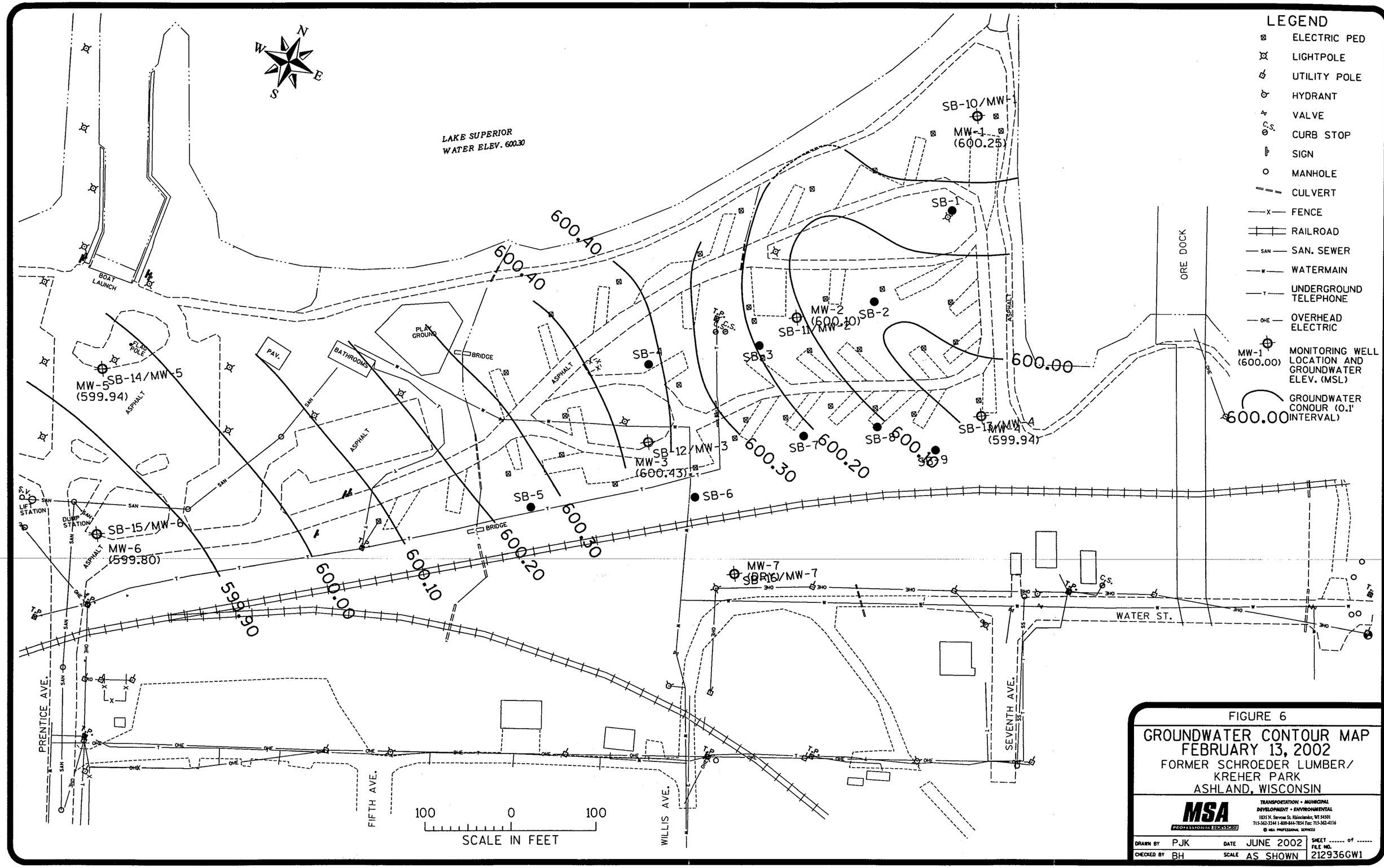

FIGURE 6

GROUNDWATER CONTOUR MAP FEBRUARY 13, 2002

FORMER SCHROEDER LUMBER/
KREHER PARK
ASHLAND, WISCONSIN

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DRAWN BY	PJK	DATE	JUNE 2002	SHEET ..... OF	
CHECKED BY	BH	SCALE	AS SHOWN	FILE NO.	212936GW1

LAKE SUPERIOR
WATER ELEV. 600.30

MW-1
(600.94)

MW-2
(600.25)

MW-3
(601.01)

MW-4
(600.34)

MW-5
(600.20)

MW-6
(600.67)

MW-7
(DRY)

600.90
600.80
600.70
600.60
600.50
600.40
601.00

BOAT LAUNCH
FLAG POLE
PAV.
BATHROOMS
PLAY GROUND
BRIDGE
ASPHALT
LIFT STATION
DUMP STATION
ORE DOCK
WATER ST.
PRENTICE AVE.
FIFTH AVE.
WILLIS AVE.
SEVENTH AVE.

100 0 100
SCALE IN FEET

LEGEND

- ELECTRIC PED
- LIGHTPOLE
- UTILITY POLE
- HYDRANT
- VALVE
- C.S. CURB STOP
- SIGN
- MANHOLE
- CULVERT
- FENCE
- RAILROAD
- SAN. SEWER
- WATERMAIN
- UNDERGROUND TELEPHONE
- OVERHEAD ELECTRIC
- MW-1 (600.00) MONITORING WELL LOCATION AND GROUNDWATER ELEV. (MSL)
- 600.00 GROUNDWATER CONTOUR (0.1' INTERVAL)
- GROUNDWATER FLOW DIRECTION

FIGURE 7

GROUNDWATER CONTOUR MAP
APRIL 18, 2002
FORMER SCHROEDER LUMBER/
KREHER PARK
ASHLAND, WISCONSIN

MSA PROFESSIONAL SERVICES
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1835 N. Stevens St. Rhinelander, WI 54501
715-362-3244 1-800-844-7854 Fax: 715-362-4116

DRAWN BY	PJK	DATE	JUNE 2002
CHECKED BY	BH	SCALE	AS SHOWN

SHEET ____ of ____
FILE NO. 212936GW2

LEGEND

- SW WELL GRADED SANDS, GRAVELLY SANDS
- SP POORLY GRADED SANDS
- SM SILTY SANDS, POORLY GRADED SAND SILT MIXTURE
- ML SILT
- CL-ML SILTY CLAY
- CL INORGANIC CLAYS, SANDY CLAYS SILTY CLAY

EXPLANATION

MONITORING WELL — PID READING IN PPM AS ISOBUTYLENE EQUIVALENTS — SCREENED INTERVAL — SOIL BORING

SOIL

0.449	BENZO(a)PYRENE (mg/Kg)
13	ARSENIC (mg/Kg)

WATER

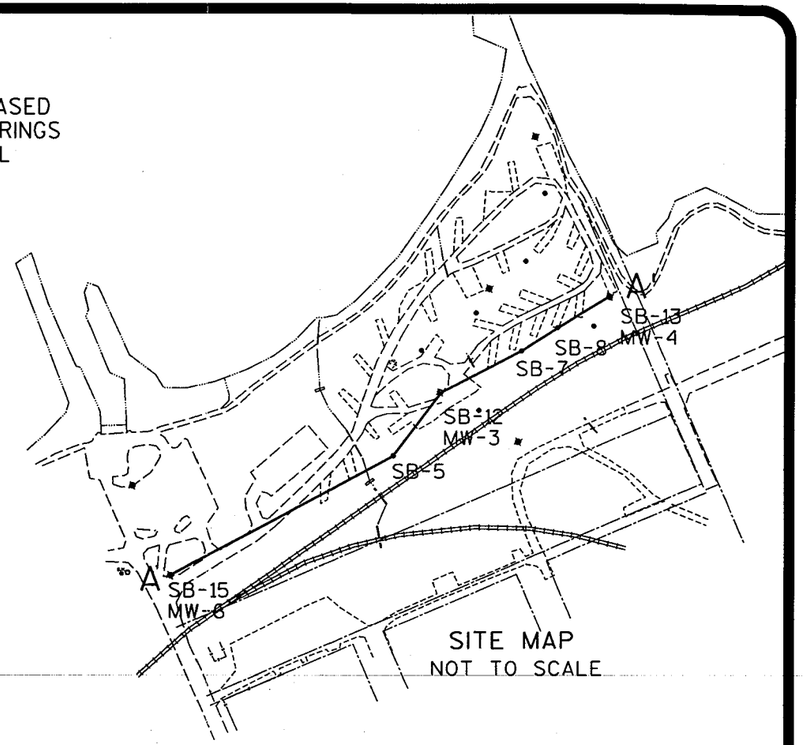
0.46	TOLULENE(µg/L)
7.2	ARSENIC (µg/L)

<0.037= NOT DETECTED ABOVE INDICATED LIMIT

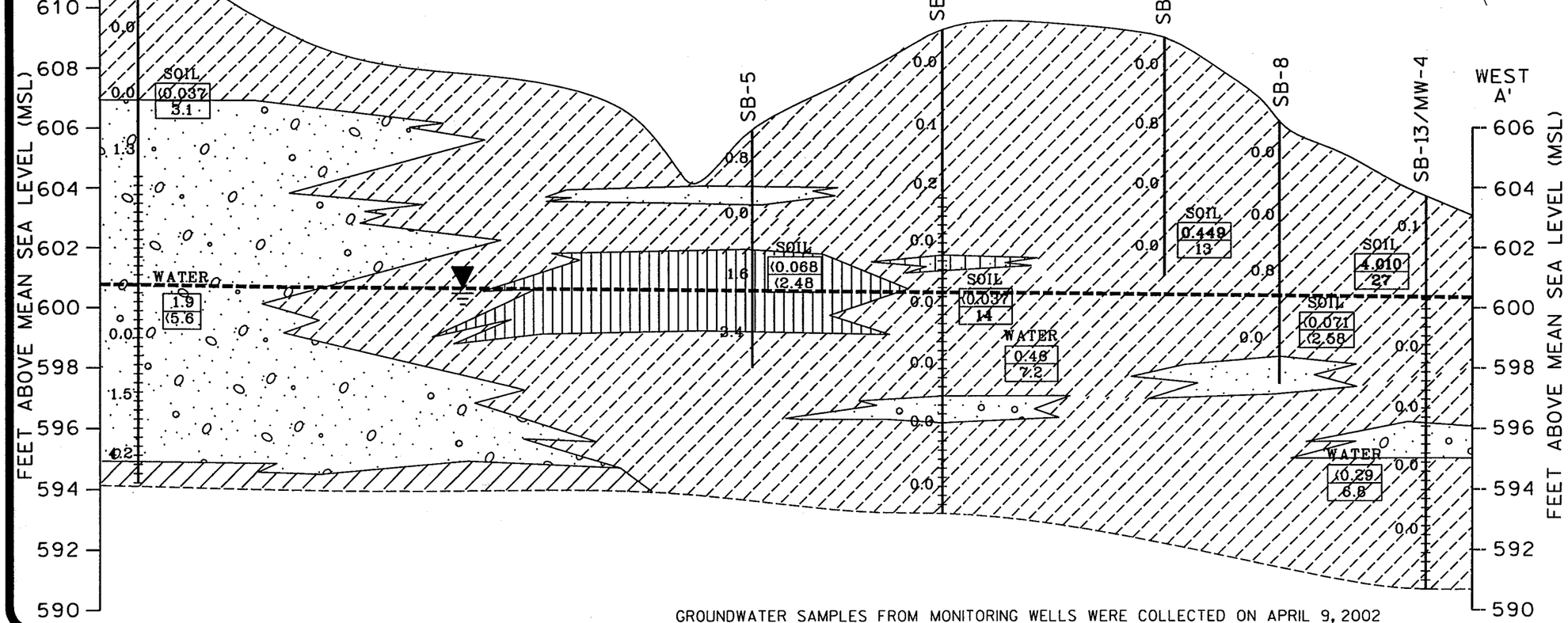
BOLD NUMBERS INDICATE DETECTION EXCEEDS STANDARD

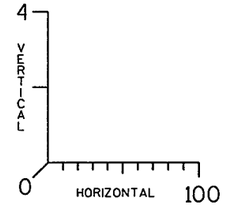
GROUNDWATER ELEV. BASED ON APRIL 18, 2002 DATA

NOTE:
GEOLOGIC INTERPRETATION ARE BASED ON INTERPOLATION FROM SOIL BORINGS AND MAY NOT REPRESENT ACTUAL SUBSURFACE CONDITIONS



SITE MAP
NOT TO SCALE





SCALE IN FEET
VERTICAL EXAGGERATION=25X

GROUNDWATER SAMPLES FROM MONITORING WELLS WERE COLLECTED ON APRIL 9, 2002

FIGURE 8

GEOLOGIC CROSS SECTION A-A'

FORMER SCHROEDER LUMBER/
KREHER PARK
ASHLAND, WISCONSIN

MSA PROFESSIONAL SERVICES
TRANSPORTATION • MUNICIPAL
DEVELOPMENT • ENVIRONMENTAL
1835 N. Stevens St. Rhinelander, WI 54501
715-362-3244 1-800-844-7854 Fax: 715-362-4116

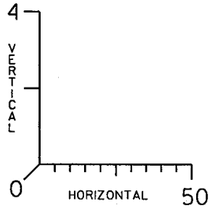
DRAWN BY	PJK	DATE	JUNE, 2002
CHECKED BY	BH	SCALE	AS SHOWN

SHEET ----- of -----
FILE NO. 212936XA

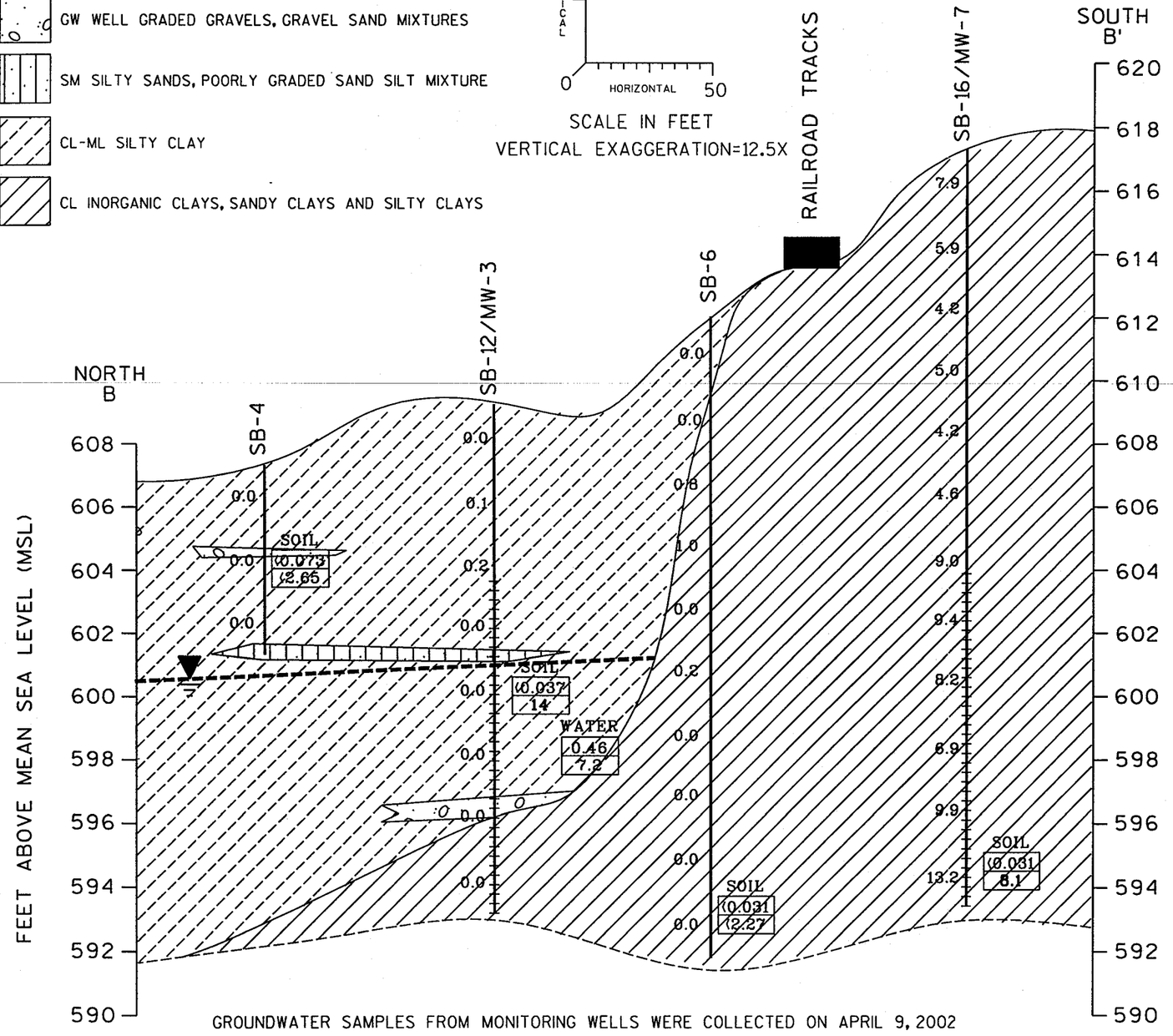
NOTE:
GEOLOGIC INTERPRETATION ARE BASED ON INTERPOLATION FROM SOIL BORINGS AND MAY NOT REPRESENT ACTUAL SUBSURFACE CONDITIONS

LEGEND

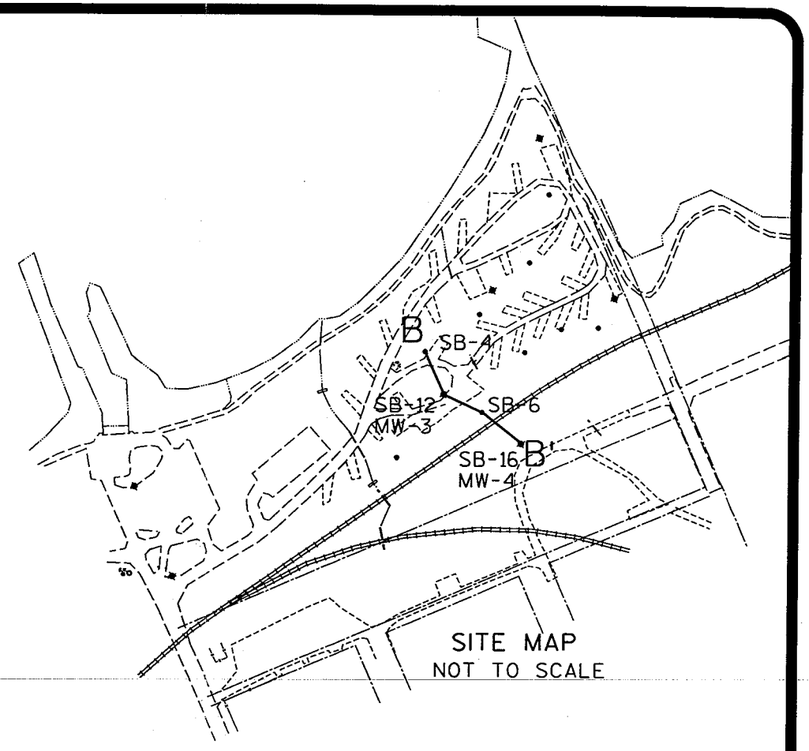
- SW WELL GRADED SANDS, GRAVELLY SANDS
- GW WELL GRADED GRAVELS, GRAVEL SAND MIXTURES
- SM SILTY SANDS, POORLY GRADED SAND SILT MIXTURE
- CL-ML SILTY CLAY
- CL INORGANIC CLAYS, SANDY CLAYS AND SILTY CLAYS



SCALE IN FEET
VERTICAL EXAGGERATION=12.5X



GROUNDWATER SAMPLES FROM MONITORING WELLS WERE COLLECTED ON APRIL 9, 2002



SITE MAP
NOT TO SCALE

EXPLANATION

MONITORING WELL
PID READING IN PPM AS ISOBUTYLENE EQUIVALENTS
SCREENED INTERVAL

SOIL BORING

SOIL
0.449 BENZO(a)PYRENE (mg/Kg)
13 ARSENIC (mg/Kg)

WATER
0.46 TOLULENE(µg/L)
7.2 ARSENIC (µg/L)

<0.037= NOT DETECTED ABOVE INDICATED LIMIT

BOLD NUMBERS INDICATE DETECTION EXCEEDS STANDARD

GROUNDWATER ELEV. BASED ON APRIL 18, 2002 DATA

FIGURE 9

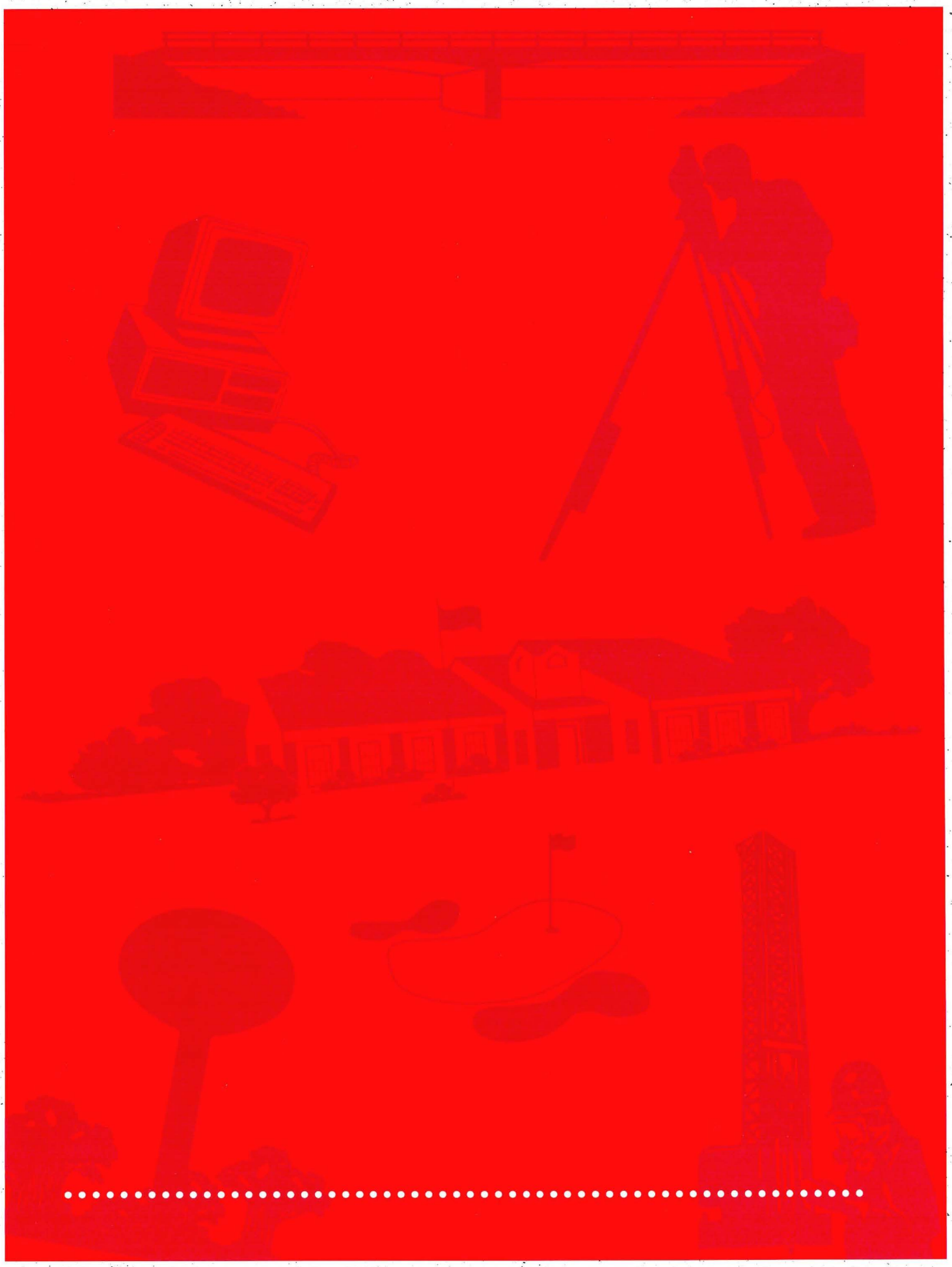
GEOLOGIC CROSS SECTION B-B'

FORMER SCHROEDER LUMBER/
KREHER PARK
ASHLAND, WISCONSIN

MSA PROFESSIONAL SERVICES
TRANSPORTATION • MUNICIPAL
DEVELOPMENT • ENVIRONMENTAL
1835 N. Stevens St. Rhinelander, WI 54501
715-362-3244 1-800-844-7854 Fax: 715-362-4116
© MSA PROFESSIONAL SERVICES

DRAWN BY	PJK	DATE	JUNE, 2002
CHECKED BY	BH	SCALE	AS SHOWN

SHEET ------ of ------
FILE NO. 212936XB



APPENDIX A

Ground Penetrating Radar Survey Report
(Blackjack, January 2002)

Former Schroeder Lumber/Kreher Park Property

GPR Survey

Ashland, Wisconsin

Prepared for MSA Professional Services

Rhinelander, Wisconsin

January 17, 2002

Blackjack Consulting, LLC
Eagle River, Wisconsin
(715)479-1428

Former Schroeder Lumber/Kreher Park Project

Project Summary

Two separate Ground Penetrating Radar (GPR) surveys were conducted in Kreher Park within the city of Ashland on December 18, 2001 and January 10, 2002. The park was developed in the 1970's when the area was filled with dredge spoils and graded. The overlapping GPR surveys were designed to evaluate the near surface to identify remnants of the sawmill and railroad yard that operated in the area until the 1930's. In particular, a wood treatment pit, or above ground tank approximately 30 feet in diameter is reported to have existed in the area. Any indications of the pit such as depressions or anomalous data area possibly indicating contamination are of interest. This along with the location of the now buried railroads and streets would aid in design of a drilling program in the area.

The initial survey gathered on December 18 consisted of 25 profiles on a 20 foot north-south line spacing over a 300 by 400 foot area using a 200 mhz unshielded antenna. In general the data quality was good in the upper 5-10 feet of the surface revealing the fill areas and underlying features that are interpreted to be old railroad grades. Based on these results, it was decided to expand the project to the north and east. An additional 25 GPR profiles were gathered on January 10. The profile spacing was again 20 feet, but the grid is rotated approximately 30 degrees since the trends change in the area. A total of over 15,000 feet of GPR was gathered, processed and interpreted for the project.

The resulting interpretation of the data reveals several sub parallel buried linear features thought to be buried railroad grades, or some possibly old roads. In addition, the data character reveals the areas of thicker fill materials as well as "noisy" areas that could be caused by buried debris or possible old building locations. In addition, three areas were identified where there was an anomalous data wipeout area related to changes in the subsurface conductivity. These could be related to subsurface contamination or other unidentified buried material.

GPR Method

The ground penetrating radar (GPR) method operates by transmitting low-powered microwave energy into the ground via an antenna. The GPR signal is reflected back to the antenna by materials with contrasting electrical and physical properties. Reflections observed on GPR records can be non-unique, and the data must be interpreted utilizing knowledge of the local setting and expected stratigraphy. Interbedded sands, silts, and clay layers typically produce strong continuous reflections. Gravel layers often appear as low amplitude, discontinuous reflections. Pipes, cobbles and boulders typically produce isolated high-amplitude hyperbolic reflections on GPR records. Conductive areas, often clay or sometimes subsurface contamination, limit the transmission of GPR data and become areas of very poor data quality or data wipeout zones.

The antenna radiation pattern is cone-shaped; emanating GPR signals approximately 15 degrees from horizontal fore and aft of the antenna. Therefore, buried objects may be detected before the antenna is located directly over them and GPR anomalies may appear larger than actual target dimensions.

GPR travel times are converted to depths either by direct on-site calibration of the radar antenna over an object of known depth, or by conducting a velocity survey. This is achieved by separating the transmitter and receiver so that a common midpoint stack can be used to calculate the velocity of the underlying material.

In areas where there are near surface conductive materials GPR will not work satisfactorily. Very few of these areas have been encountered in Northern Wisconsin. The glacial tills of this area provide some of the best GPR data seen anywhere. Within this project area, a clay layer underlies the area at depths between 5 and 15 feet limiting the penetration of sediments in the area. However, the objectives of this evaluation were located above this clay layer. Other problems occur in areas of considerable cultural development. Power lines, guard rails, and microwave transmission (cell phones) can interfere with GPR data. These cultural effects were minimal in the survey area.

Survey Layout

The survey layout is shown in Figure 1. The first survey was laid out from a base line (Line 00) which started at the edge of the grass near the tracks and extend to the NNE directly through a power box 185 feet out and then to the south end of the culvert under the path near the lake. From this base line, the other lines were located every 20 feet for the North-South Lines and every 100 feet for the cross lines. Figures 2 and 3 show the location of Line 00 and Xline 00. The location of both these photos in noted in Figure 1.

For the second survey, the orientation was changed by approximately 30 degrees due to the change in orientation of the underlying trends. The base line started in the northwest corner of this survey at a power box and extended 425 feet to the northeast to the lakeside railing for the observation platform (Figure 4). The first line ran from the same power box to the southeast directly through another power box 225 feet away and extended to the base of the railroad grade (Figure 5). Again lines were established every 20 feet and cross lines every 100 feet.

A total of 15,100 feet of GPR profiles were gathered with subsurface sampling every 4 inches (10cm).

Velocity and Depth Determination

To convert the GPR time based data to depth velocity assumptions must be made. The velocity for sands and gravels, can vary from 60 to 120 meters per microseconds. To determine the velocity in this area a two velocity surveys was run near location center of the first survey area. The sediments had a velocity of 75 meters per microsecond (245 feet per microsecond). Diffraction patterns in the data suggest a velocity of 70 -80 meters per microsecond. Base on this, a velocity of 245 feet per microsecond was used for estimating depths. This velocity is estimated to be accurate within 10 percent.

Interpretation

The interpretation of the GPR data is shown in Figures 6 and 7. The profile locations have been removed in Figure 7 to better see the interpretation in reference to the park map. These maps show several linear high trend areas that can be mapped from line to line across the area. It is thought that these are mostly railroads or some perhaps streets. The geometry of these features can be seen on the six GPR profiles, Figures 8-13. The locations of these profiles are shown as red lines on the interpretation (Figures 6 and 7). Most of the mapped features are 2 to 3 foot buildups about 20 feet wide.

One difficulty in the interpretation is that the data quality and character varied with the surface material. In general, over the grass areas was the best data quality. Where asphalt or gravel for the RV pads was present, the data was of lower frequency and generally less detail could be seen. Caution must be used and line to line consistency be evaluated to assure mapping of changes in the subsurface and not changes resulting from surface coupling.

One feature seen numerous times is data wipeouts under many of the gravel pads and occasionally under the asphalt. Over 40 examples of this can be seen throughout the two surveys. An example can be seen on Line 1_80 (Figure 8) at location 100. Several other examples can be seen on Figures 8-13. Generally, three changes in the data character are evident: the two high energy events at the surface, the lower frequency content of the data, and the data wipeout starting between 4 and 5 feet depth. These are most likely caused by near surface energy absorption caused by increased conductivity. The data wipeout consistently starting between 4 to 5 feet is interesting. If this is the top of the ground water, the near surface material (such as the limestone used for the RV pads) may be leaching down to the ground water and increases the conductivity of the ground water to a point where the GPR energy is totally absorbed at this level.

In three areas subsurface data wipeout zones occur where there is no change in surface (consistent grass areas). This would indicate that something is present in the near surface material that increased the conductivity and may be leaching into the ground water. Several possibilities exist, including, but not limited to hydrocarbons (gasoline, tar, creosote, etc), sewage contamination, or possibly a buried concrete.

The most interesting of these features can be seen on Line 1_180 (Figure 9) between 100 and 200 and is highlighted in yellow on the interpretation map. The location of this feature is directly out from the end of Willis Avenue in the area reported to have the wood treatment tank. The feature is approximately 30 by 40 feet in dimension. The arrows on top of Line 1_180 at 80 and 210 show the typical data character change when going from grass to asphalt. At approximately 160 you see that same change in near surface character and the data wipeout, but the surface is grass with no changes.

Two similar features have been identified to the northeast in the second survey area. These can be seen on the interpretation map and on Lines 2_260 and 2_280 near location 100 (Figures 12 and 13). All other data wipeouts on these lines are related to asphalt or RV pads.

Another interesting feature identified is a buried linear object, most likely a pipe or culvert probably 10-14 inches in diameter running over 100 feet across the survey area. It has been identified on 12 lines and is shown as the blue line in the middle of the interpretation area on Figures 6 and 7. The object that is buried between 4 and 6 feet can be seen on lines 1_340 and 2_100 at locations 150 to 180 (Figures 10 and 11).

Within the mapped area, the thicker areas of fill could be mapped. These are noted as gray areas on the interpretation map and can be seen on the GPR profiles as the lighter colored "quiet" areas. In contrast to these "quiet" areas are the "noisy" areas. The data here shows more energy, the blues and reds on the data set, but the reflectors are not continuous. There are many hyperbolas in the data. This is typical of course gravel or areas of buried debris. These areas have been highlighted blue on the interpretation map. Line 1_80 shows good examples of "quiet" data between 100 and 200 and "noisy" data from 200 to 300. May of the proposed railroad beds appear as high areas in the noisy data.

One of the larger of these high "noisy" areas noted as the purple in the eastern part of the survey area. This 4-5 foot thick mound of material is about 40 feet wide and 70 feet long. It can be seen very clearly on Line 2_260 (Figure 12) between 100 and 200. What makes this feature different than some of the railroads is its width and how abruptly it stops. Compare Line 2_260 with Line 2_280 (Figure 13). Although these profiles are only 20 feet apart, the feature is totally gone. One possible interpretation for this feature would be a 40 x 70 foot building. You would be seeing the foundation and bulldozed remains.

In some areas, the top of the deeper underlying clay could be seen. The trends of these deeper highs and lows have been noted as green trend lines on the interpretation map. An example of this data can be seen between 200 and 300 on Line 1_80 (Figure 8) dipping from 3 feet down to 8 feet or deeper.

Conclusion

The GPR method can be very effective determining subsurface stratigraphy and mapping these changes. The close inline spacing of the data allows for a clear 'picture" of what is happening in the subsurface. This is especially true when mapping linear features such as railroads and areas of infill.

In addition to mapping the main lineations in the area, three anomalous data wipeout zones were located, one near the reported location of a wood treatment tank. Areas of possible building locations or debris dumping locations have also been identified.

This interpretation has been focusing on trends and generalizations of the area to aid in planning drilling locations. Considerable more time and effort could be put into this interpretation, but would not significantly change the evaluation. If other more specific project objectives arise, the data could be revisited and additional detail could most likely be derived from the data set.

Disclaimer

It must be emphasized that the interpretation of GPR data is non-unique and is a combination of science, art, and observation. The key is to develop an interpretation, which is consistent with the acquired data and which fits the known geology and history of the area. Our objective was to evaluate the subsurface stratigraphy using our knowledge and experience. All interpretations are subjective, however, and therefore cannot be construed as proof or a guarantee of the subsurface conditions.

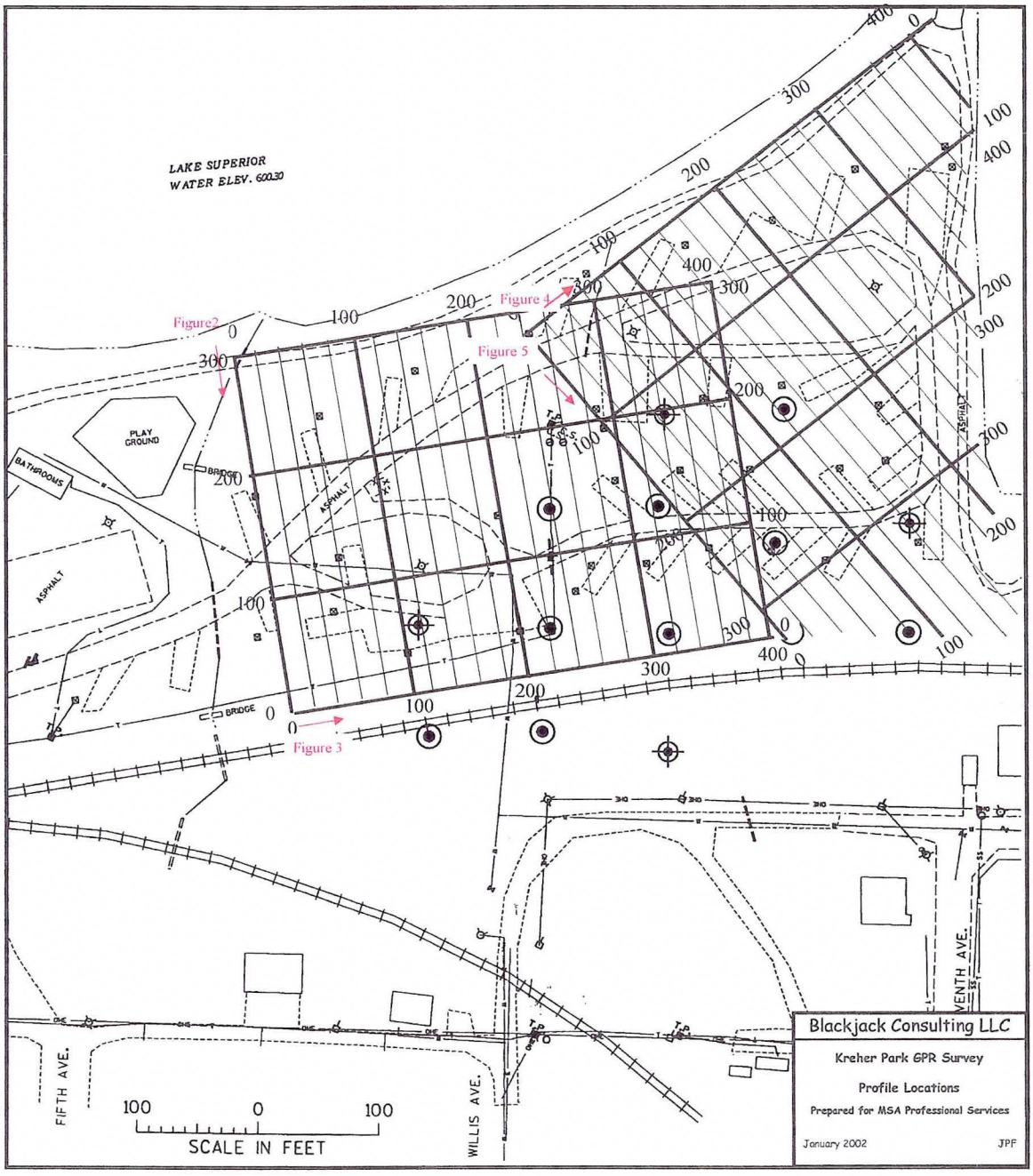

LAKE SUPERIOR
WATER ELEV. 600.30
Figure2
Figure 3
Figure 4
Figure 5
PLAY GROUND
BATHROOMS
BRIDGE
ASPHALT
FIFTH AVE.
WILLIS AVE.
VENTH AVE.
100 0 100
SCALE IN FEET
Blackjack Consulting LLC
Kreher Park GPR Survey
Profile Locations
Prepared for MSA Professional Services
January 2002
JPF

Figure 1

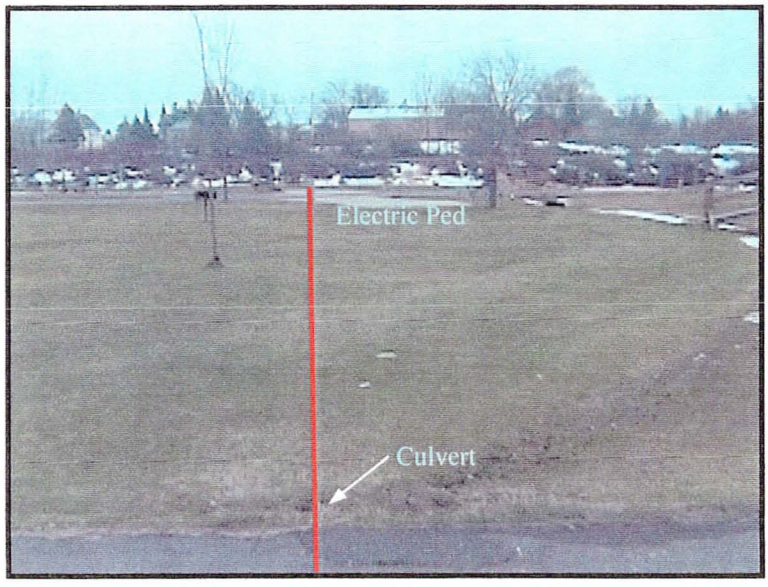


Figure 2 Base Line 00 for first survey December 18. Line runs from culvert through electric pedestal. Photo location noted on Figure 1.

Figure 3 Cross Line 00 for first survey December 18. Line runs along edge of grass near railroad grade. Photo location noted on Figure 1.

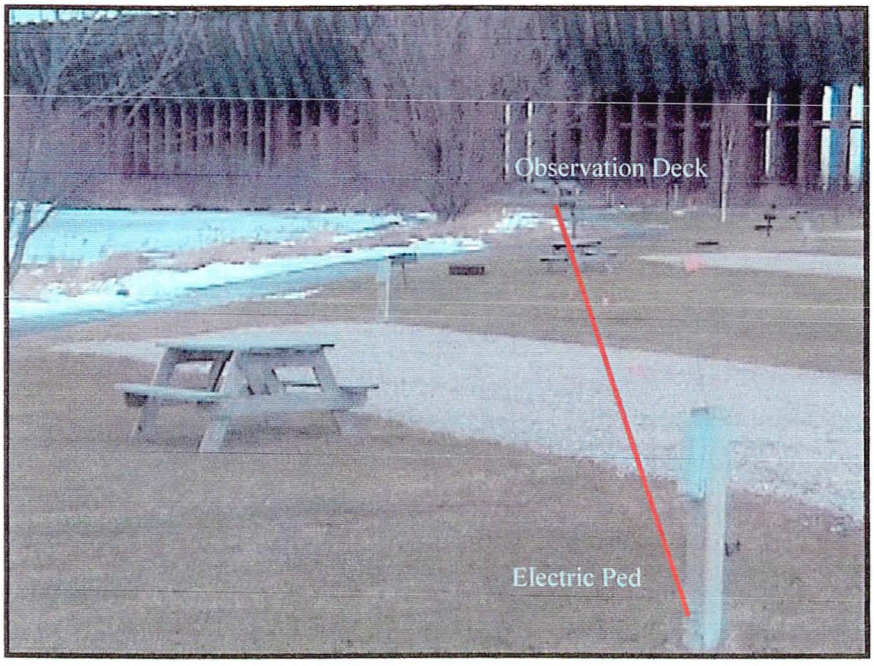


Figure 4 Base Line 00 for second survey January 10. Line runs from electric pedestal out to lakeside rail of observation platform. Photo location noted on Figure 1.

Figure 5 Line 00 for second survey January 10. Line runs from electric pedestal near lakeside through pedestal 225 out. Photo location noted on Figure 1.

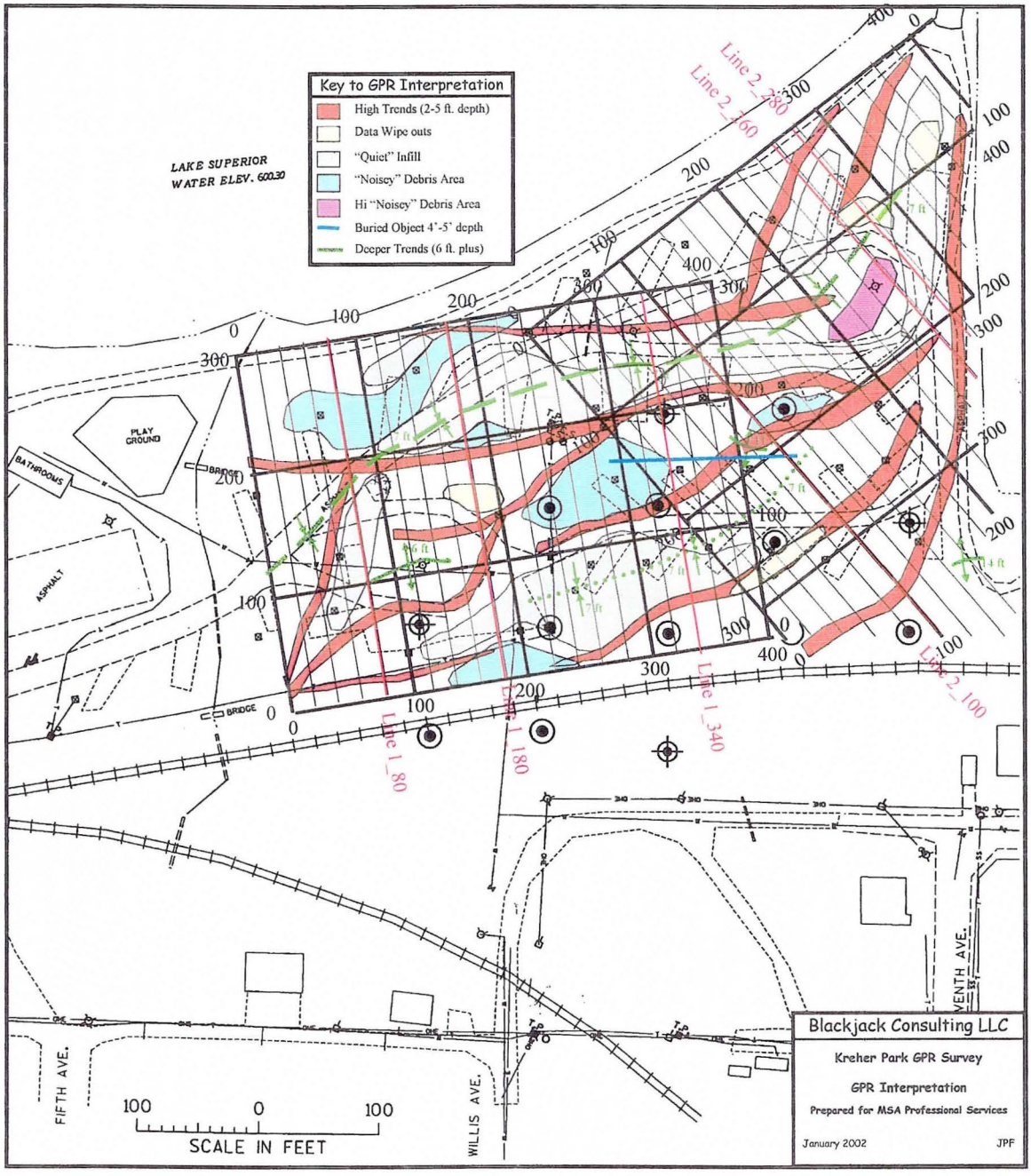

Key to GPR Interpretation
High Trends (2-5 ft. depth)
Data Wipe outs
"Quiet" Infill
"Noisey" Debris Area
Hi "Noisey" Debris Area
Buried Object 4'-5' depth
Deeper Trends (6 ft. plus)
LAKE SUPERIOR
WATER ELEV. 600.30
PLAY GROUND
BATHROOMS
ASPHALT
BRIDGE
Line 2_280
Line 2_160
Line 2_100
Line 1_340
Line 1_180
Line 1_80
FIFTH AVE.
WILLIS AVE.
TENTH AVE.
100 0 100
SCALE IN FEET
Blackjack Consulting LLC
Kreher Park GPR Survey
GPR Interpretation
Prepared for MSA Professional Services
January 2002
JPF

Figure 6

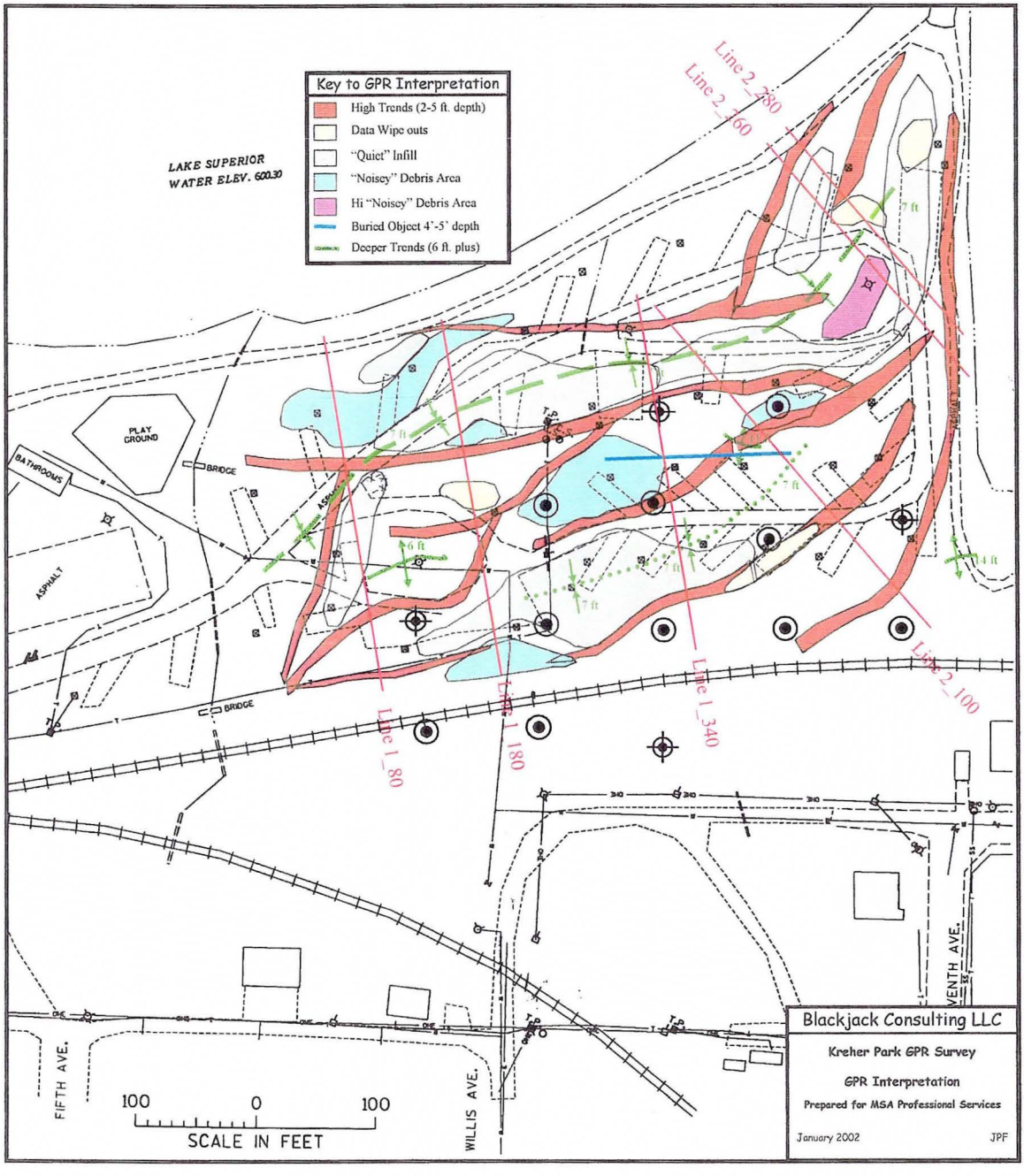

Key to GPR Interpretation
High Trends (2-5 ft. depth)
Data Wipe outs
"Quiet" Infill
"Noisey" Debris Area
Hi "Noisey" Debris Area
Buried Object 4'-5' depth
Deeper Trends (6 ft. plus)
LAKE SUPERIOR
WATER ELEV. 600.30
Line 2_280
Line 2_260
Line 2_100
Line 1_80
Line 1_180
Line 1_340
PLAY GROUND
BATHROOMS
BRIDGE
ASPHALT
FIFTH AVE.
WILLIS AVE.
VENTH AVE.
100 0 100
SCALE IN FEET
Blackjack Consulting LLC
Kreher Park GPR Survey
GPR Interpretation
Prepared for MSA Professional Services
January 2002
JPF

Figure 7

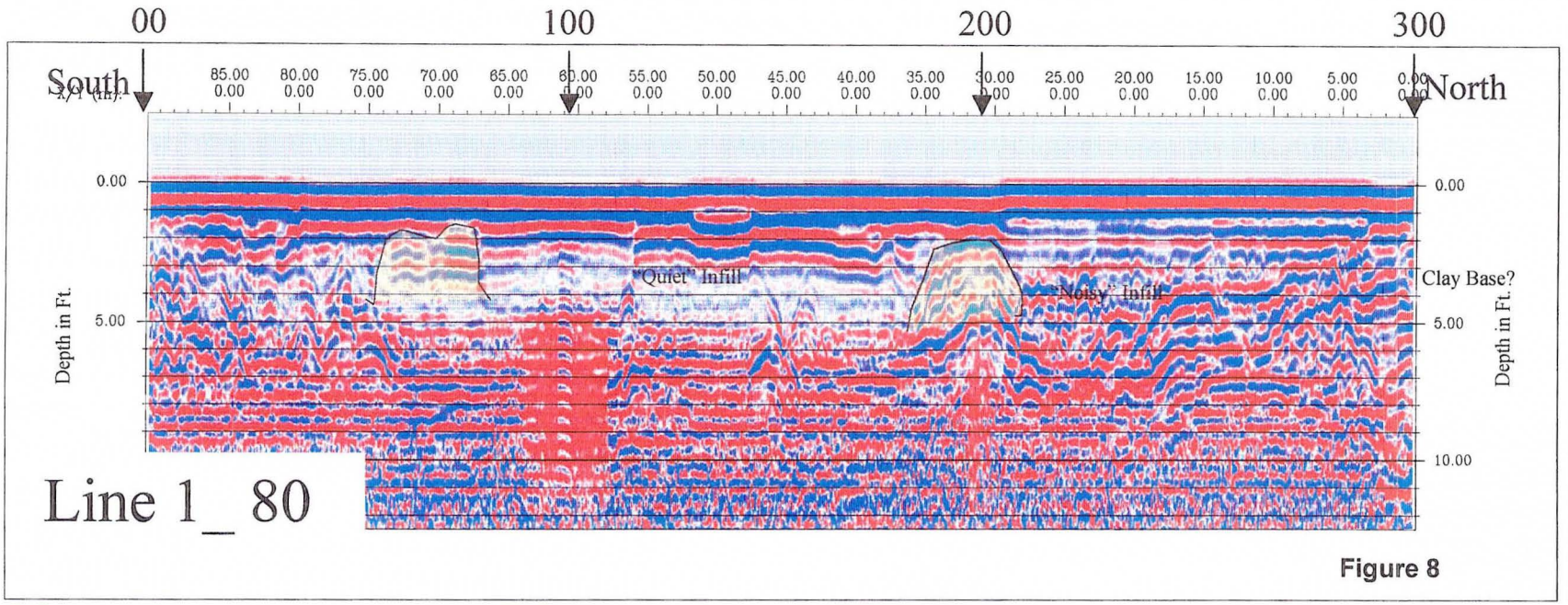


Figure 8

VERSION: 04 DEPTH CONVERSION
SCCYD
PROF9
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14-JAN-02 15:49

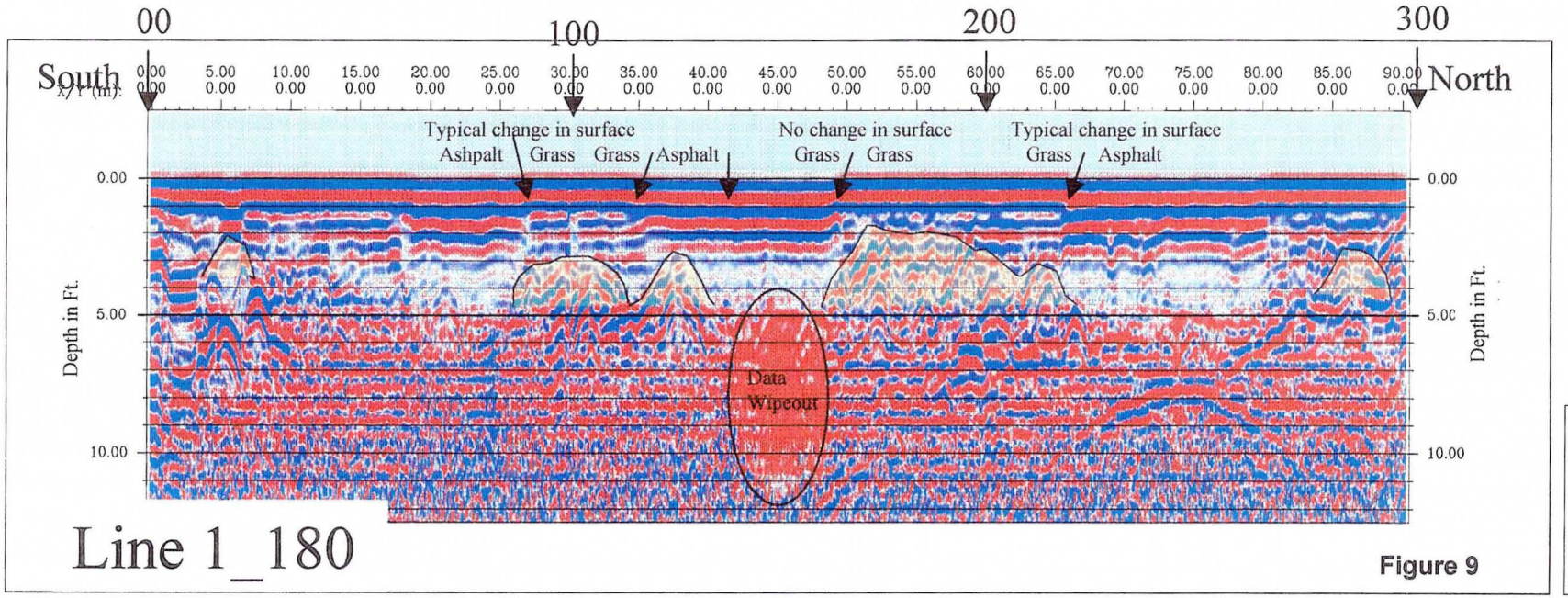

Figure 9

VERSION: 03 DEPTH CONVERSION
SCCYD
PROF14
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VERTICAL EXAGGERATION: 2.0:1
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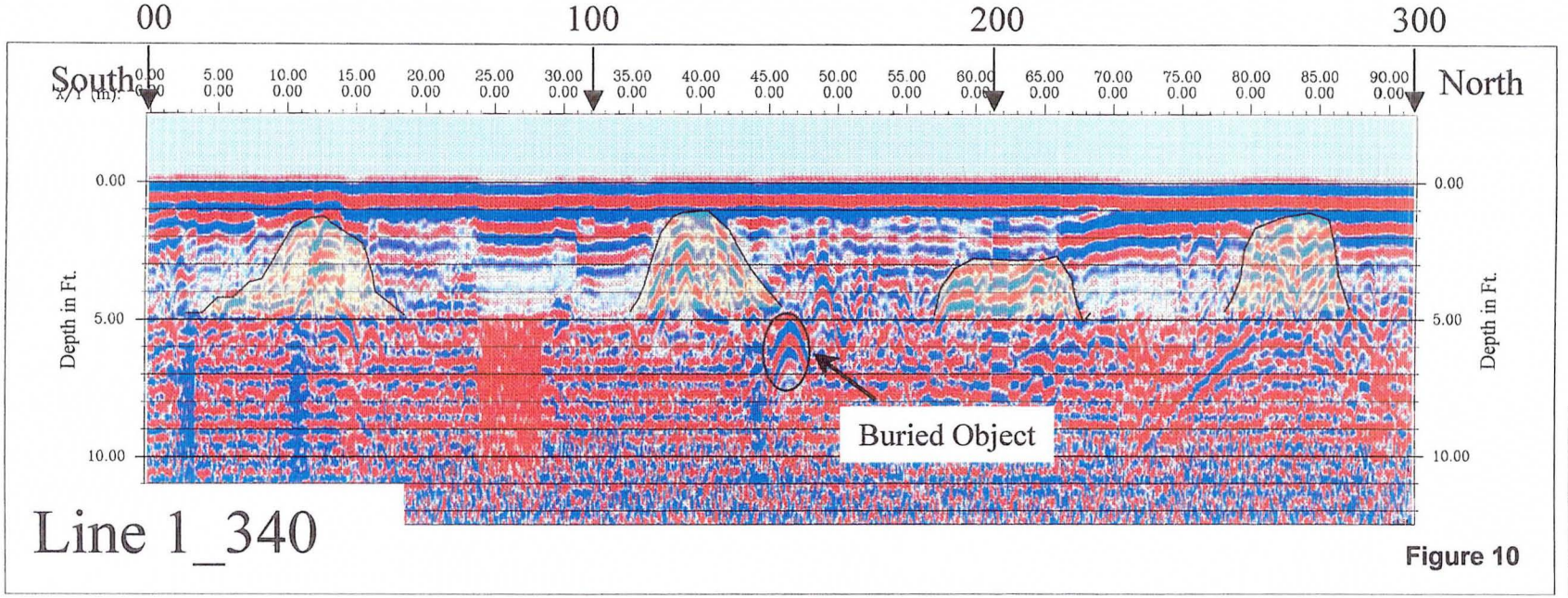


Figure 10

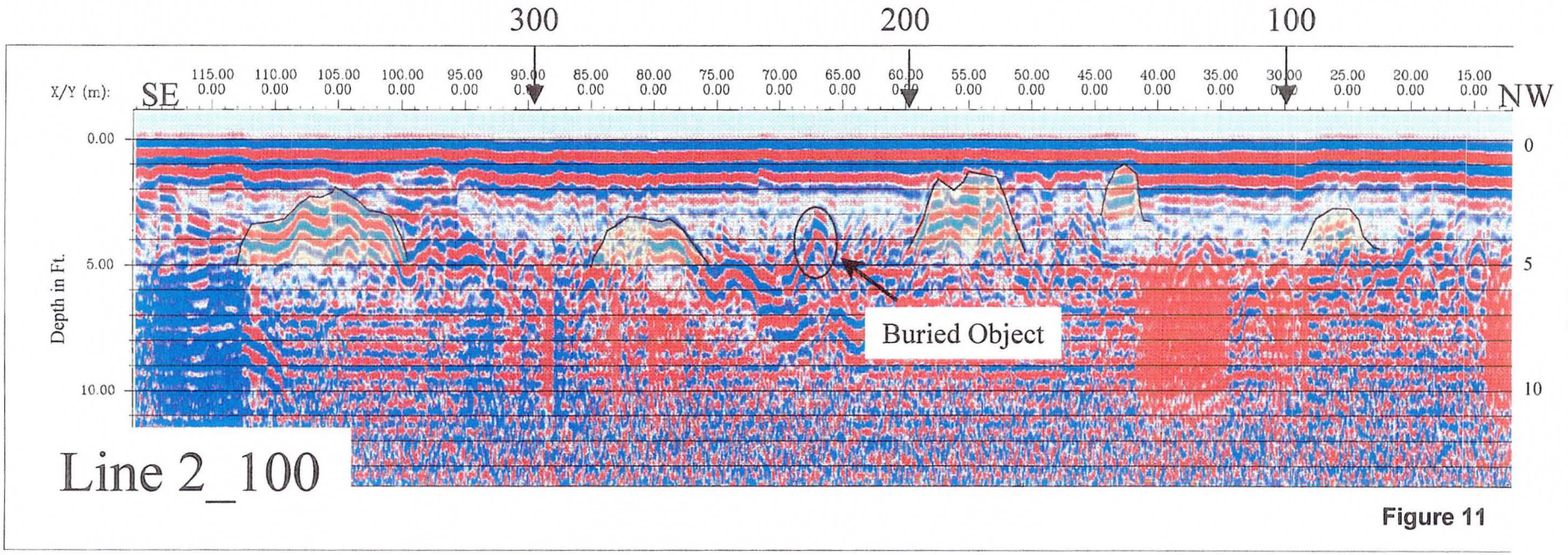
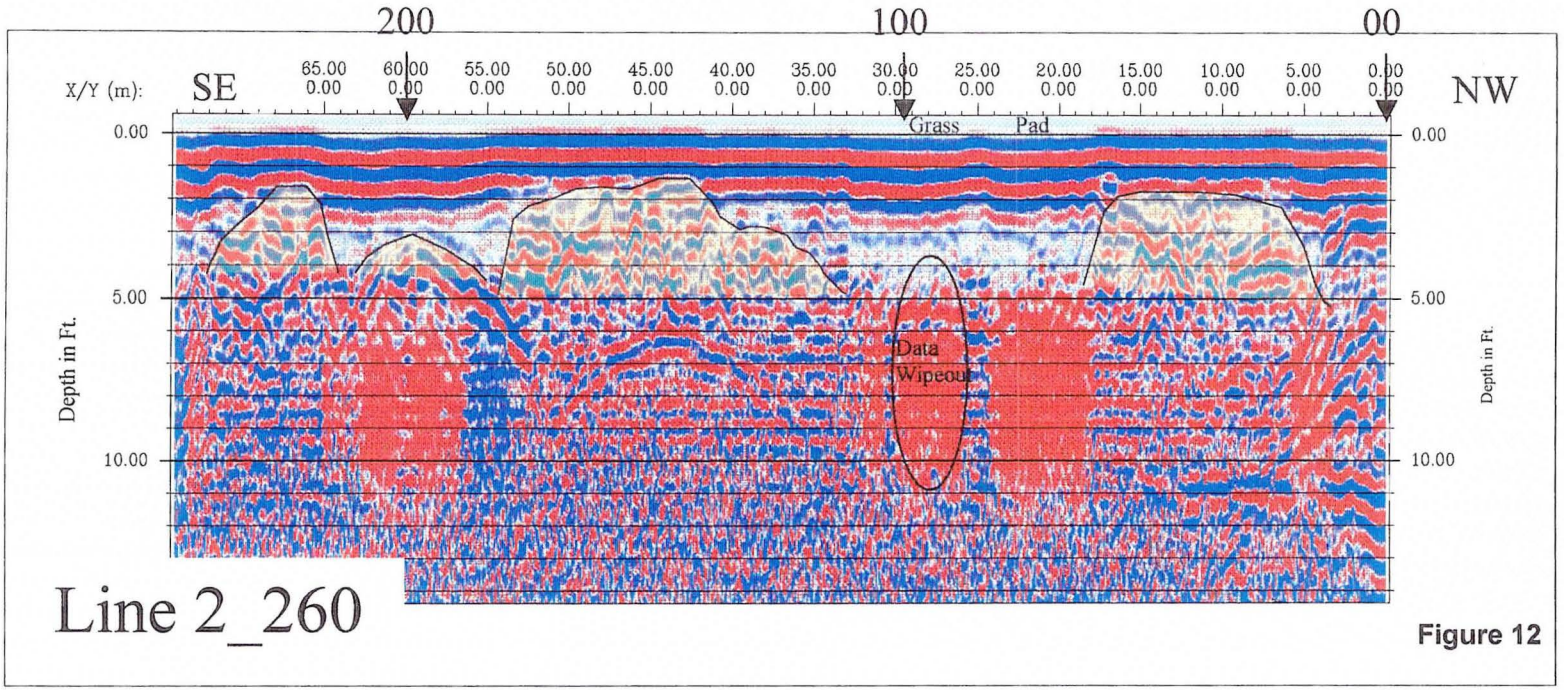
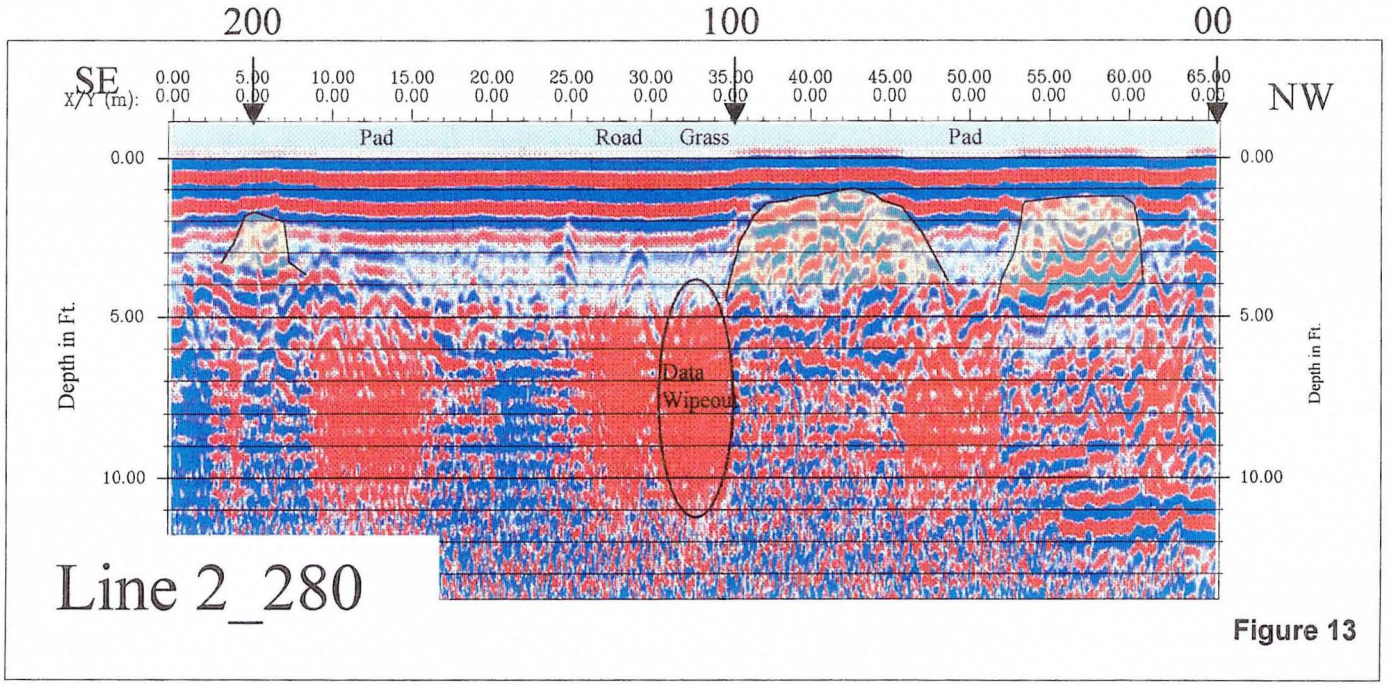


Figure 11



Line 2_260

Figure 12



Line 2_280

Figure 13

APPENDIX B

Soil Boring Logs and Abandonment Forms

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Schroeder Lumber/Kreher Park		SB-1

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Randy and Dillion Boart Longyear	1/21/2002	1/21/2002	hollow stem auger

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	607.0 Feet MSL	8.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
1/4 of NW 1/4 of Section 33, T 48 N, R 4 W
Lat 46° 35' 53.0" Long 90° 52' 47.0"
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Ashland	2	Ashland

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	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
1 SS	24 12	3 3 3 3	1	0.0 to 8.0': Brown/red (5YR/3/2) SILTY CLAY with trace very fine-grained sand. Clay is very soft and plastic. Lenses of very fine-grained SAND, less than 1 cm thick, from 5.5 to 6.0 feet.				0.0						
2 SS	24 18	1 1 1 1	2 3					0.0						
3 SS	24 24	2 2 1 1	4 5		CL-ML			0.0						collected soil sample from 4 to 6 feet
4 SS	24 24	1 1 1 1	6 7					0.0						
			8	End of boring at 8 feet bgs.										

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

Signature: [signature] Firm: MSA Professional Services, Inc.
301 West First Street Suite 408 Duluth, MN 55802
Tel: 218-722-391
Fax: 218-722-454

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 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/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Schroeder Lumber/Kreher Park		SB-10

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Randy and Dillion Boart Longyear	1/22/2002	1/22/2002	hollow stem auger

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
JG403	MW-1	MW-1	600.6 Feet MSL	604.1 Feet MSL	8.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
1/4 of NW 1/4 of Section 33, T 48 N, R 4 W

Lat 46° 35' 53.0"
Long 90° 52' 47.0"

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

Facility ID	County	County Code	Civil Town/City/ or Village
	Ashland	2	Ashland

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	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
1 SS	24 6	10 4 3 3	1	0.0 to 13.8': Brown/red (5YR/3/2) SILTY CLAY with trace very fine-grained sand. Clay is very soft and plastic. Lenses of very fine-grained sand, less than 1 cm thick, from 3.2 to 13.8 feet.				0.8						
2 SS	24 24	1 1 1 2	2 3					0.0						
3 SS	24 24	2 2 2 2	4 5					0.0						collected soil sample fr 4 to 6 fee
4 SS	24 24	5 4 4 5	6 7		CL-ML			0.0						
5 SS	24 24	2 2 2 2	8 9					0.8						
6 SS	24 12	4 4 5 4	10 11					61.7						collected sample fr 10 to 12 fee
7 SS	24 12	4 2 2 1	12 13					0.0						
			14	13.8 to 14.0': Brown, fine to medium-grained SAND. End of boring at 14 feet bgs.	SP									

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

Signature [signature] Firm MSA Professional Services, Inc. Tel: 218-722-
301 West First Street Suite 408 Duluth, MN 55802 Fax: 218-722-45

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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/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Schroeder Lumber/Kreher Park		SB-11

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Randy and Dillion Boart Longyear	1/22/2002	1/22/2002	hollow stem auger

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
JG404	MW-2	MW-2	600.2 Feet MSL	606.7 Feet MSL	8.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
1/4 of NW 1/4 of Section 33, T 48 N, R 4 W
Lat 46° 35' 53.0" Long 90° 52' 47.0"
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Ashland	2	Ashland

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	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
1 SS	24 24	4 5 6 0	1.5	0.0 to 6.5': Brown/red (5YR/3/1) SILTY CLAY with trace very fine-grained sand. Clay is very soft and plastic.				0.0						
2 SS	24 20	5 3 2 2	3.0		CL-ML			0.0						
3 SS	24 20	1 2 2 2	4.5					0.0						collected soil sample from 4 to 6 feet
4 SS	24 12	2 2 2 3	6.0											
			7.5	6.5 to 7.5': Grey (Grey/6/1), fine to medium-grained SAND. Sand is very loose.	SP			0.0						
5 SS	24 6	1 1 2 1	9.0	7.5 to 8.0: Wood fragments. 8.0 to 11.2': Brown/red (5YR/3/1) SILTY CLAY with trace very fine-grained sand. Clay is very soft and plastic.	CL-ML			0.2						
6 SS	24 12	2 2 2 2	10.5											
			12.0	11.2 to 11.5: Wood fragments. 11.5 to 13.5': Brown, fine to coarse-grained SAND. Sand is loose with little or no fines.	SW			0.0						
7 SS	24 20	4 3 5 5	13.5					0.0						
8 SS	24 6	4 7 7 11	15.0	13.5 to 16.0': Red/brown (5YR/4/4) SILTY CLAY. Clay is very stiff, dense and dry. (MILLER CREEK FORMATION)	CL			0.4						
				End of boring at 16 feet bgs.										

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

Signature [signature] Firm MSA Professional Services, Inc.
301 West First Street Suite 408 Duluth, MN 55802
Tel: 218-722-39
Fax: 218-722-45

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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/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Schroeder Lumber/Kreher Park		SB-12

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Randy and Dillion Boart Longyear	1/22/2002	1/22/2002	hollow stem auger

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
JG405	MW-3	MW-3	601.3 Feet MSL	609.3 Feet MSL	8.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
1/4 of NW 1/4 of Section 33, T 48 N, R 4 W
Lat 46° 35' 53.0"
Long 90° 52' 47.0"
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Ashland	2	Ashland

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	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
1 SS	24 20	2 2 2 2	1.5	0.0 to 7.5': Brown/red (5YR/3/2) SILTY CLAY. Clay is very soft and plastic.	CL-ML			0.0						
2 SS	24 24	1 1 1 1	3.0					0.1						
3 SS	24 24	1 1 1 1	4.5					0.2						
4 SS	24 20	1 1 2 3	6.0					0.0						
5 SS	24 4	2 2 2 3	7.5	7.5 to 8.0': Brown, very fine-grained SAND with SILT.	SM			0.0						
6 SS	24 20	2 2 2 2	9.0	8.0 to 12.5': Brown/red (5YR/3/2) SILTY CLAY. Clay is very soft and plastic.	CL-ML			0.0						collected soil sample from 8 to 10 fe
7 SS	24 20	2 2 4 7	10.5					0.0						
8 SS	24 6	7 8 8 10	12.0	12.5 to 13.5': Brown, fine to medium-grained SAND. Sand is very loose with little or no fines.	SW			0.0						
			13.5	13.5 to 16.0': Red/brown (5YR/4/4) SILTY CLAY. Clay is very stiff, dense and dry. (MILLER CREEK FORMATION)	CL			0.0						
			15.0	End of boring at 16 feet bgs.										

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

Signature	Firm	Tel:
	MSA Professional Services, Inc. 301 West First Street Suite 408 Duluth, MN 55802	Tel: 218-722-39 Fax: 218-722-45

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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/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Schroeder Lumber/Kreher Park		SB-13

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Randy and Dillion Boart Longyear	1/23/2002	1/23/2002	hollow stem auger

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
JG409	MW-4	MW-4	600.2 Feet MSL	603.7 Feet MSL	8.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
1/4 of NW 1/4 of Section 33, T 48 N, R 4 W
Lat 46° 35' 53.0"
Long 90° 52' 47.0"
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Ashland	2	Ashland

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	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
1 SS	24 20	4 2 1 1	1	0.0 to 7.5': Brown/red (5YR/3/3) SILTY CLAY. Clay is very soft and plastic.	CL-ML			0.1						collected soil sample from 2 to 4 feet
2 SS	24 18	1 1 1 1	2 3											
3 SS	24 4	2 2 2 2	4 5					0.0						
4 SS	24 16	7 15 4 2	6 7					0.0						
5 SS	24 12	4 3 2 8	8 9	7.5 to 8.5': Brown, fine to medium-grained SAND. Sand is very loose with little or no fines.	SW			0.0						
6 SS	24 12	4 6 10 10	10 11	8.5 to 13.0': Red/brown (5YR/4/4) SILTY CLAY. Clay is very stiff, dense and dry. (MILLER CREEK FORMATION)	CL			0.0						
			12 13	End of boring at 13 feet bgs.										

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301 West First Street Suite 408 Duluth, MN 55802
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Fax: 218-722-45

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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/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Schroeder Lumber/Kreher Park		SB-14

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Randy and Dillion Boart Longyear	1/23/2002	1/23/2002	hollow stem auger

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
JG408	MW-5	MW-5	600.0 Feet MSL	605.0 Feet MSL	8.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
1/4 of NW 1/4 of Section 33, T 48 N, R 4 W
Lat 46° 35' 53.0" Long 90° 52' 47.0"
Local Grid Location ☐ N Feet ☐ S ☐ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Ashland	2	Ashland

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	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
1 SS	24 20	6 5 4 4	1.5	0.0 to 13.0': Brown/red (5YR/3/3) SILTY CLAY with some sand. Clay is very soft and plastic.				0.9						
2 SS	24 20	4 4 5 5	3.0					1.3						
3 SS	24 12	3 2 2 3	4.5					8.0						collected soil sample from 4 to 6 feet
4 SS	24 18	1 1 1 1	6.0 7.5		CL-ML			0.9						
5 SS	24 0		9.0											
6 SS	24 6	2 2 3 2	10.5 12.0					5.2						
7 SS	24 12	4 4 5 6	13.5	13.0 to 13.5': Brown/red, very fine-grained SILT and SAND.	SM			0.0						
8 SS	24 12	8 10 10 11	15.0	13.5 to 16.0': Red/brown (5YR/4/4) SILTY CLAY with trace sand. Clay is stiff, dense, and dry.	CL			0.0						
				End of boring at 16 feet bgs.										

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

Signature [signature] Firm MSA Professional Services, Inc. Tel: 218-722-39
301 West First Street Suite 408 Duluth, MN 55802 Fax: 218-722-454

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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/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Schroeder Lumber/Kreher Park		SB-15

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Randy and Dillion Boart Longyear	1/23/2002	1/23/2002	hollow stem auger

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
JG407	MW-6	MW-6	601.3 Feet MSL	612.3 Feet MSL	8.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
1/4 of NW 1/4 of Section 33, T 48 N, R 4 W
Lat 46° 35' 53.0" Long 90° 52' 47.0"
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Ashland	2	Ashland

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	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
1 SS	24 18	2 2 3 4	1	0.0 to 5.2': Brown/red (5YR/3/3) SILTY CLAY with some sand. Clay is very soft and plastic.	CL-ML			1.5						
2 SS	24 18	1 2 2 3	2 3					0.0						
3 SS	24 16	1 1 6 12	4 5					0.0						
4 SS	24 12	35 50/3	6 7	5.2 to 17.5': Brown, fine to coarse-grained SAND. Sand is very loose with little or no fines.	SW			1.3						collected soil sample from 4 to 6 feet
5 SS	24 0	6 4 21	8 9											
6 SS	24 0	10 5 22	10 11											
7 SS	24 0	7 2 25	12 13					0.0						
8 SS	24 12	10 7 11 10	14 15 16					1.5						

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301 West First Street Suite 408 Duluth, MN 55802
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Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number SB-15 Use only as an attachment to Form 4400-122.

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
9 SS	24 6		17		SW			4.2						
			18	17.5 to 18.0': Red/brown (5YR/4/4) SILTY CLAY with sand. Clay is very dense, stiff and dry. (MILLER CREEK FORMATION)	CL									
				End of boring at 18 feet bgs.										

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Schroeder Lumber/Kreher Park		SB-16

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Randy and Dillion Boart Longyear	1/23/2002	1/23/2002	hollow stem auger

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
JG402	MW-7	MW-7	Feet MSL	617.7 Feet MSL	8.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
1/4 of NW 1/4 of Section 33, T 48 N, R 4 W
Lat 46° 35' 53.0"
Long 90° 52' 47.0"
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Ashland	2	Ashland

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	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
1 SS	24 20	5 7 7 7	1	0.0 to 24.0': Red/brown (5YR/4/4) SILTY CLAY. Clay is very stiff, dense and dry. Small lenses of very fine-grained sand, less than 2 cm thick. (MILLER CREEK FORMATION)	CL			7.1						
2 SS	24 16	4 5 6 7	2 3					5.9						
3 SS	24 16	4 6 8 8	4 5					4.2						
4 SS	24 16	10 8 10 11	6 7					5.0						
5 SS	24 20	6 8 8 12	8 9					4.2						
6 SS	24 12	8 10 10 12	10 11					4.6						
7 SS	24 12	7 10 11 13	12 13					9.0						
8 SS	24 12	7 11 15 15	14 15 16					9.4						

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Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number SB-16 Use only as an attachment to Form 4400-122.

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	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
9 SS	24 24	5 6 6 11	17					8.2						
10 SS	24 20	5 7 7 11	18 19					6.9						
11 SS	24 20	7 8 11 11	20 21		CL			9.9						
12 SS	24 20	3 5 9 11	22 23					13.2						collected sample from 22 to 24 feet
			24	End of boring at 24 feet bgs.										

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Schroeder Lumber/Kreher Park		SB-2

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Randy and Dillion Boart Longyear	1/21/2002	1/21/2002	hollow stem auger

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	606.0 Feet MSL	8.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
1/4 of NW 1/4 of Section 33, T 48 N, R 4 W
Lat 46° 35' 53.0"
Long 90° 52' 47.0"
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Ashland	2	Ashland

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	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
1 SS	24 12	3 4 7 5	1	0.0 to 4.0': Brown/red (5YR/3/2) SILTY CLAY with little very fine-grained sand. Clay is very soft and plastic.				0.0						
2 SS	24 12	3 3 3 4	2 3		CL-ML			0.6						collected soil sample from 2 to 4 feet
3 SS	24 12	2 2 2 2	4 5	4.0 to 4.5': Black (5BG/2.5/1), organic SILT.	ML									
				4.5 to 6.0': Brown/red (5YR/3/2) SILTY CLAY with some very fine-grained sand. Clay is very soft and plastic.	CL-ML			0.0						
			6	End of boring at 6 feet bgs.										

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

Signature	Firm	Tel:
	MSA Professional Services, Inc. 301 West First Street Suite 408 Duluth, MN 55802	Tel: 218-722-391 Fax: 218-722-454

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SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Schroeder Lumber/Kreher Park		SB-3

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Randy and Dillion Boart Longyear	1/21/2002	1/21/2002	hollow stem auger

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	608.0 Feet MSL	8.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
1/4 of NW 1/4 of Section 33, T 48 N, R 4 W

Lat 46° 35' 53.0"
Long 90° 52' 47.0"

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

Facility ID	County	County Code	Civil Town/City/ or Village
	Ashland	2	Ashland

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	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
1 SS	24 20	4 4 3 4	1	0.0 to 6.0': Brown/red (5YR/3/2) SILTY CLAY with little very fine-grained sand. Clay is very soft and plastic, becomes more sandy with depth.				0.0						
2 SS	24 24	1 1 2 2	2 3		CL-ML			0.4						collected sample fr 2 to 4 feet
3 SS	24 24	1 1 1 1	4 5					0.0						
			6	End of boring at 6 feet bgs.										

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

Signature [signature] Firm MSA Professional Services, Inc. Tel: 218-722-
301 West First Street Suite 408 Duluth, MN 55802 Fax: 218-722-45

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 ma_ 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 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/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Schroeder Lumber/Kreher Park		SB-4

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Randy and Dillion Boart Longyear	1/21/2002	1/21/2002	hollow stem auger

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	608.0 Feet MSL	8.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
1/4 of NW 1/4 of Section 33, T 48 N, R 4 W
Lat 46° 35' 53.0"
Long 90° 52' 47.0"
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Ashland	2	Ashland

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	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
1 SS	24 12	3 30 4 4	0 1 2	0.0 to 2.5': Brown/red (5YR/3/2) SILTY CLAY with some very fine-grained sand. Clay is very dense and stiff.	CL-ML			0.0						
2 SS	24 24	1 2 2 2	2 3	2.5 to 2.7': Brown/grey, fine to coarse-grained GRAVEL and SAND. Gravel and sand somewhat loose.	GW			0.0						collected soil sample from 2 to 4 feet
3 SS	24 24	1 1 1 2	4 5	2.7 to 5.8': Brown/red (5YR/3/2) SILTY CLAY with some very fine-grained sand. Clay is very soft and plastic.	CL-ML			0.0						
			6	5.8 to 6.0': Brown, fine-grained SAND with minor silt. Sand is somewhat loose. End of boring at 6 feet bgs.	SM									

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

Signature [signature] Firm MSA Professional Services, Inc.
301 West First Street Suite 408 Duluth, MN 55802
Tel: 218-722-391
Fax: 218-722-45

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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/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Schroeder Lumber/Kreher Park		SB-5

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Randy and Dillion Boart Longyear	1/21/2002	1/21/2002	hollow stem auger

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	606.0 Feet MSL	8.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
1/4 of NW 1/4 of Section 33, T 48 N, R 4 W
Lat 46° 35' 53.0" Long 90° 52' 47.0"
Local Grid Location ☐ N ☐ S Feet ☐ E ☐ W Feet

Facility ID	County	County Code	Civil Town/City/ or Village
	Ashland	2	Ashland

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	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
1 SS	24 20	4 5 6 6	1	0.0 to 2.2': Brown/red (5YR/3/2) SILTY CLAY with some very fine-grained sand.	CL-ML			0.8						
2 SS	24 20	1 2 2 2	2 3	2.2 to 2.5': Brown, fine-grained SAND. Sand is very loose.	SP									
				2.5 to 4.2': Brown/red (5YR/3/2) SILTY CLAY with some very fine-grained sand. Clay is very soft and plastic.	CL-ML			0.0						
3 SS	24 12	1 1	4 5	4.2 to 7.0': Red/black SILT with some sand.	ML			1.6						collected soil sample fr- 4 to 6 fee-
4 SS	24 24	1 1	6 7	7.0 to 8.0': Wood fragments.				3.4						
			8	End of boring at 8 feet bgs.										

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

Signature	Firm	Tel:
	MSA Professional Services, Inc. 301 West First Street Suite 408 Duluth, MN 55802	218-722-3 Fax: 218-722-45

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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/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Schroeder Lumber/Kreher Park		SB-6

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Randy and Dillion Boart Longyear	1/21/2002	1/21/2002	hollow stem auger

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	610.0 Feet MSL	8.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
1/4 of NW 1/4 of Section 33, T 48 N, R 4 W
Lat 46° 35' 53.0" Long 90° 52' 47.0"
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Ashland	2	Ashland

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	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
1 SS	24 12	5 6 5 7	1	0.0 to 2.2': Brown/red (5YR/3/2) SILTY CLAY with trace very fine-grained sand. Clay is very soft and plastic.	CL-ML			0.0						
2 SS	24 24	1 2 3 3	3	2.2 to 20.0': Red/brown (5YR/4/4) SILTY CLAY. Silty clay is very stiff and dense. (MILLER CREEK FORMATION)				0.0						
3 SS	24 24	3 3 5 6	5					0.8						
4 SS	24 24	8 9 9 9	7		CL			1.0						
5 SS	24 24	9 10 10 11	9					0.0						
6 SS	24 24	10 10 11 10	11					0.2						

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

Signature [signature] Firm MSA Professional Services, Inc.
301 West First Street Suite 408 Duluth, MN 55802
Tel: 218-722-391
Fax: 218-722-45

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number SB-6 Use only as an attachment to Form 4400-122. Page 2 of 2

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	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
7 SS	24 24	6 10 11 13	13					1.4						
8 SS	24 24	11 12 12 11	14 15					0.0						
9 SS	24 24	8 10 10 11	16 17		CL			0.0						
10 SS	24 18	11 11 11 11	18 19					0.0						collected soi sample fr 18 to 20
			20	End of boring at 20 feet.										

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Schroeder Lumber/Kreher Park		SB-7

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Randy and Dillion Boart Longyear	1/22/2002	1/22/2002	hollow stem auger

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	609.0 Feet MSL	8.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
1/4 of NW 1/4 of Section 33, T 48 N, R 4 W
Lat 46° 35' 53.0"
Long 90° 52' 47.0"
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Ashland	2	Ashland

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	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
1 SS	24 6	1 2 2 3	1	0.0 to 5.8': Brown/red (5YR/3/2) SILTY CLAY with trace very fine-grained sand. Clay is very soft and plastic.				0.0						
2 SS	24 18	1 1 1 2	2 3		CL-ML			0.8						
3 SS	24 8	2 2 2 1	4 5					0.0						
4 SS	24 18	11 12 12 13	6 7	5.8 to 8.0': Red/brown (5YR/4/4) SILTY CLAY.	CL-ML			0.0						collected soil sample from 6 to 8 feet
			8	End of boring at 8 feet.										

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

Signature [signature] Firm MSA Professional Services, Inc.
301 West First Street Suite 408 Duluth, MN 55802
Tel: 218-722-391
Fax: 218-722-454

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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/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Schroeder Lumber/Kreher Park		SB-8

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Metho-
Randy and Dillion Boart Longyear	1/22/2002	1/22/2002	hollow stem auger

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	606.0 Feet MSL	8.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
1/4 of NW 1/4 of Section 33, T 48 N, R 4 W

Lat 46° 35' 53.0"
Long 90° 52' 47.0"

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

Facility ID	County	County Code	Civil Town/City/ or Village
	Ashland	2	Ashland

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	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
1 SS	24 18	10 11 5 7	1	0.0 to 0.5': Crushed LIMESTONE (RV Pad). 0.5 to 7.8': Brown/red (5YR/3/2) SILTY CLAY. Clay is very soft and plastic.				0.0						
2 SS	24 10	4 2 3 4	2 3					0.0						
3 SS	24 6	5 4 2 2	4 5		CL-ML			0.8						
4 SS	24 6	5 1 6 10	6 7											collected sample fr 6 to 8 feet
5 SS	24 3		8	7.8 to 8.5': Brown (5YR/4/2), fine to medium-grained sand. Sand is poorly graded with little to no fines. Met refusal at 8.5 feet bgs.	SP			0.0						

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

Signature [signature] Firm MSA Professional Services, Inc.
301 West First Street Suite 408 Duluth, MN 55802
Tel: 218-722-391
Fax: 218-722-454

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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/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Schroeder Lumber/Kreher Park		SB-9

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Randy and Dillion Boart Longyear	1/22/2002	1/22/2002	hollow stem auger

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	606.0 Feet MSL	8.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
1/4 of NW 1/4 of Section 33, T 48 N, R 4 W

Lat 46° 35' 53.0"
Long 90° 52' 47.0"

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

Facility ID	County	County Code	Civil Town/City/ or Village
	Ashland	2	Ashland

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	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
1 SS	24 / 24	5 5 4 5	0 – 2	0.0 to 2.5': Brown/red (5YR/3/2) SILTY CLAY. Silty clay is very stiff and dense.	CL-ML			0.8						
2 SS	24 / 18	2 2 3 2	2 – 4	2.5 to 3.8': Black (2.5YR/2.5/1), organic SILT.	ML			1.0						
3 SS	24 / 24	3 4 2 1	4 – 6	3.8 to 5.0': Brown (5YR/4/4), fine to coarse-grained SAND. Sand is very loose with little or no fines.	SW									
				5.0 to 8.0': Brown/red (5YR/3/2) SILTY CLAY with little very fine-grained sand.				0.0						collected soi sample from 4 to 6 feet
4 SS	24 / 0				CL-ML									
				End of boring at 8 feet bgs.										

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

Signature: [signature] Firm: MSA Professional Services, Inc.
301 West First Street Suite 408 Duluth, MN 55802
Tel: 218-722-39
Fax: 218-722-45

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State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT
Form 3300-5B Rev. 4-97

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or 141, Wis. Admin. Code, whichever is applicable.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location: SB-1
County: Ashland
___ 1/4 of NW 1/4 of Sec. 33 ; T. 48 N; R. 4 ☐ E ☒ W
(If Applicable) ____ Gov't Lot ____ Grid Number
Grid Location ____ ft. ☐ N. ☐ S., ____ ft. ☐ E. ☐ W.
Civil Town Name: Ashland
Street Address of Well: Kreher Park
City, Village: Ashland

(2) FACILITY NAME Former Schroeder Lumber/Kreher Park

Original Well Owner (If Known):
Present Well Owner: City of Ashland
Street or Route: 601 Main Street
City, State, Zip Code: Ashland, WI 54806
Facility Well No. and/or Name (If Applicable):
WI Unique Well No.:
Reason For Abandonment: test boring
Date of Abandonment: 1/21/02

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 1/21/2002

☐ Monitoring Well
☐ Water Well
☒ Drillhole
☐ Borehole

Construction Report Available? ☐ Yes ☒ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) ____

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft) (From ground surface) ____
Casing Diameter (in.) ____
Casing Depth (ft.) ____

Lower Drillhole Diameter (in.) 8.0

Was Well Annular Space Grouted? ☐ Yes ☒ No ☐ Unknown
If Yes, To What Depth? ____ Feet

(4) Depth to Water (Feet) 5.5

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☒ No	☐ Not Applicable
Screen Removed?	☐ Yes	☒ No	☐ Not Applicable
Casing Left in Place?	☐ Yes	☒ No	

If No, Explain NA

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	☒ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☒ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe - Gravity ☐ Conductor Pipe - Pumped
☐ Dump Bailer ☒ Other (Explain) gravity

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☐ Granular Bentonite
☐ Bentonite-Cement Grout

(7)

Sealing Material Used	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
Bentonite Chips	Surface	8.0	2	

(8) Comments ____

(9) Name of Person or Firm Doing Sealing Work: Boart Longyear
Signature of Person Doing Work
Date Signed
Street or Route: 101 Alderson Street
Telephone Number: 715-359-7090
City, State, Zip Code: Schofield, WI 54476

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

DNR/COUNTY

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT
Form 3300-5B Rev. 4-97

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or 141, Wis. Admin. Code, whichever is applicable.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location: SB-2
County: Ashland
____ 1/4 of NW 1/4 of Sec. 33 ; T. 48 N; R. 4 ☐ E ☒ W
(If Applicable) _____ Gov't Lot _____ Grid Number
Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.
Civil Town Name: Ashland
Street Address of Well: Kreher Park
City, Village: Ashland

(2) FACILITY NAME Former Schroeder Lumber/Kreher Park

Original Well Owner (If Known):
Present Well Owner: City of Ashland
Street or Route: 601 Main Street
City, State, Zip Code: Ashland, WI 54806
Facility Well No. and/or Name (If Applicable):
WI Unique Well No.:
Reason For Abandonment: test boring
Date of Abandonment: 1/21/02

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 1/21/2002

☐ Monitoring Well
☐ Water Well
☒ Drillhole
☐ Borehole

Construction Report Available? ☐ Yes ☒ No

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

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft) (From ground surface) _____
Casing Diameter (in.) _____
Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) 8.0

Was Well Annular Space Grouted? ☐ Yes ☒ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) 4.0

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☒ No	☐ Not Applicable
Screen Removed?	☐ Yes	☒ No	☐ Not Applicable
Casing Left in Place?	☐ Yes	☒ No	

If No, Explain NA

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	☒ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☒ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe - Gravity ☐ Conductor Pipe - Pumped
☐ Dump Bailer ☒ Other (Explain) gravity

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☐ Granular Bentonite
☐ Bentonite-Cement Grout

(7)

Sealing Material Used	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
Bentonite Chips	Surface	6.0	1.5	

(8) Comments _____

(9) Name of Person or Firm Doing Sealing Work: Boart Longyear
Signature of Person Doing Work
Date Signed
Street or Route: 101 Alderson Street
Telephone Number: 715-359-7090
City, State, Zip Code: Schofield, WI 54476

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

DNR/COUNTY

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMEN
Form 3300-5B Rev. 4-97

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or 141, Wis. Admin. Code, whichever is applicable.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location: SB-4
County: Ashland
___ 1/4 of NW 1/4 of Sec. 33 ; T. 48 N; R. 4 ☐ E ☒ W
(If Applicable) ___ Gov't Lot ___ Grid Number
Grid Location ___ ft. ☐ N. ☐ S., ___ ft. ☐ E. ☐ W.
Civil Town Name: Ashland
Street Address of Well: Kreher Park
City, Village: Ashland

(2) FACILITY NAME Former Schroeder Lumber/Kreher Park

Original Well Owner (If Known):
Present Well Owner: City of Ashland
Street or Route: 601 Main Street
City, State, Zip Code: Ashland, WI 54806
Facility Well No. and/or Name (If Applicable):
WI Unique Well No.:
Reason For Abandonment: test boring
Date of Abandonment: 1/21/02

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 1/21/2002

☐ Monitoring Well
☐ Water Well
☒ Drillhole
☐ Borehole

Construction Report Available? ☐ Yes ☒ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) ___

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft) (From ground surface) ___
Casing Diameter (in.) ___
Casing Depth (ft.) ___

Lower Drillhole Diameter (in.) 8.0

Was Well Annular Space Grouted? ☐ Yes ☒ No ☐ Unknown
If Yes, To What Depth? ___ Feet

(4) Depth to Water (Feet) 4.0

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☒ No	☐ Not Applicable
Screen Removed?	☐ Yes	☒ No	☐ Not Applicable
Casing Left in Place?	☐ Yes	☒ No	

If No, Explain: NA

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	☒ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☒ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe - Gravity ☐ Conductor Pipe - Pumped
☐ Dump Bailer ☒ Other (Explain) gravity

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☐ Granular Bentonite
☐ Bentonite-Cement Grout

(7)

Sealing Material Used	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
Bentonite Chips	Surface	6.0	1.5	

(8) Comments ___

(9) Name of Person or Firm Doing Sealing Work: Boart Longyear
Signature of Person Doing Work
Date Signed
Street or Route: 101 Alderson Street
Telephone Number: 715-359-7090
City, State, Zip Code: Schofield, WI 54476

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Wor
Follow-up Necessary	

DNR/COUNTY

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT
Form 3300-5B Rev. 4-97

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or 141, Wis. Admin. Code, whichever is applicable.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location: SB-5
County: Ashland
___ 1/4 of NW 1/4 of Sec. 33 ; T. 48 N; R. 4 ☐ E ☒ W
(If Applicable) Gov't Lot ___ Grid Number ___
Grid Location ___ ft. ☐ N. ☐ S., ___ ft. ☐ E. ☐ W.
Civil Town Name: Ashland
Street Address of Well: Kreher Park
City, Village: Ashland

(2) FACILITY NAME Former Schroeder Lumber/Kreher Park

Original Well Owner (If Known):
Present Well Owner: City of Ashland
Street or Route: 601 Main Street
City, State, Zip Code: Ashland, WI 54806
Facility Well No. and/or Name (If Applicable):
WI Unique Well No.:
Reason For Abandonment: test boring
Date of Abandonment: 1/21/02

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 1/21/2002

☐ Monitoring Well
☐ Water Well
☒ Drillhole
☐ Borehole

Construction Report Available? ☐ Yes ☒ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) ___

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft) (From ground surface) ___
Casing Diameter (in.) ___
Casing Depth (ft.) ___

Lower Drillhole Diameter (in.) 8.0

Was Well Annular Space Grouted? ☐ Yes ☒ No ☐ Unknown
If Yes, To What Depth? ___ Feet

(4) Depth to Water (Feet) 4.0

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☒ No	☐ Not Applicable
Screen Removed?	☐ Yes	☒ No	☐ Not Applicable
Casing Left in Place?	☐ Yes	☒ No	

If No, Explain: NA

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	☒ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☒ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe - Gravity ☐ Conductor Pipe - Pumped
☐ Dump Bailer ☒ Other (Explain) gravity

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☐ Granular Bentonite
☐ Bentonite-Cement Grout

(7) Sealing Material Used	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
Bentonite Chips	Surface	8.0	2	

(8) Comments ___

(9) Name of Person or Firm Doing Sealing Work: Boart Longyear
Signature of Person Doing Work
Date Signed
Street or Route: 101 Alderson Street
Telephone Number: 715-359-7090
City, State, Zip Code: Schofield, WI 54476

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

DNR/COUNTY

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT
Form 3300-5B Rev. 4-97

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or 141, Wis. Admin. Code, whichever is applicable.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location: SB-6
County: Ashland
___ 1/4 of NW 1/4 of Sec. 33 ; T. 48 N; R. 4 ☐ E ☒ W
(If Applicable) ___ Gov't Lot ___ Grid Number
Grid Location ___ ft. ☐ N. ☐ S., ___ ft. ☐ E. ☐ W.
Civil Town Name: Ashland
Street Address of Well: Kreher Park
City, Village: Ashland

(2) FACILITY NAME Former Schroeder Lumber/Kreher Park

Original Well Owner (If Known):
Present Well Owner: City of Ashland
Street or Route: 601 Main Street
City, State, Zip Code: Ashland, WI 54806
Facility Well No. and/or Name (If Applicable):
WI Unique Well No.:
Reason For Abandonment: test boring
Date of Abandonment: 1/21/02

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 1/21/2002

☐ Monitoring Well
☐ Water Well
☒ Drillhole
☐ Borehole

Construction Report Available? ☐ Yes ☒ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) ___

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft) (From ground surface) ___
Casing Diameter (in.) ___
Casing Depth (ft.) ___

Lower Drillhole Diameter (in.) 8.0

Was Well Annular Space Grouted? ☐ Yes ☒ No ☐ Unknown
If Yes, To What Depth? ___ Feet

(4) Depth to Water (Feet) ___

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applica
Liner(s) Removed?	☐ Yes	☒ No	☐ Not Applica
Screen Removed?	☐ Yes	☒ No	☐ Not Applicable
Casing Left in Place?	☐ Yes	☒ No	

If No, Explain NA

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	☒ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☒ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe - Gravity ☐ Conductor Pipe - Pumped
☐ Dump Bailer ☒ Other (Explain) gravity

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☐ Granular Bentonite
☐ Bentonite-Cement Grout

(7)

Sealing Material Used	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
Bentonite Chips	Surface	20.0	4	

(8) Comments ___

(9) Name of Person or Firm Doing Sealing Work: Boart Longyear
Signature of Person Doing Work
Date Signed
Street or Route: 101 Alderson Street
Telephone Number: 715-359-7090
City, State, Zip Code: Schofield, WI 54476

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Wor
Follow-up Necessary	

DNR/COUNTY

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT
Form 3300-5B Rev. 4-97

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or 141, Wis. Admin. Code, whichever is applicable.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location: SB-7
County: Ashland
___ 1/4 of NW 1/4 of Sec. 33 ; T. 48 N; R. 4 ☐ E ☒ W
(If Applicable) ___ Gov't Lot ___ Grid Number
Grid Location ___ ft. ☐ N. ☐ S., ___ ft. ☐ E. ☐ W.
Civil Town Name: Ashland
Street Address of Well: Kreher Park
City, Village: Ashland

(2) FACILITY NAME Former Schroeder Lumber/Kreher Park

Original Well Owner (If Known):
Present Well Owner: City of Ashland
Street or Route: 601 Main Street
City, State, Zip Code: Ashland, WI 54806
Facility Well No. and/or Name (If Applicable):
WI Unique Well No.:
Reason For Abandonment: test boring
Date of Abandonment: 1/22/02

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On
(Date) 1/22/2002

☐ Monitoring Well
☐ Water Well
☒ Drillhole
☐ Borehole

Construction Report Available? ☐ Yes ☒ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) ___

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft) (From ground surface) ___
Casing Diameter (in.) ___
Casing Depth (ft.) ___

Lower Drillhole Diameter (in.) 8.0

Was Well Annular Space Grouted? ☐ Yes ☒ No ☐ Unknown
If Yes, To What Depth? ___ Feet

(4) Depth to Water (Feet) 6.5

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☒ No	☐ Not Applicable
Screen Removed?	☐ Yes	☒ No	☐ Not Applicable
Casing Left in Place?	☐ Yes	☒ No	

If No, Explain: NA

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	☒ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☒ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe - Gravity ☐ Conductor Pipe - Pumped
☐ Dump Bailer ☒ Other (Explain) gravity

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☐ Granular Bentonite
☐ Bentonite-Cement Grout

(7) Sealing Material Used	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
Bentonite Chips	Surface	8.0	2	

(8) Comments ___

(9) Name of Person or Firm Doing Sealing Work: Boart Longyear
Signature of Person Doing Work
Date Signed
Street or Route: 101 Alderson Street
Telephone Number: 715-359-7090
City, State, Zip Code: Schofield, WI 54476

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

DNR/COUNTY

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT
Form 3300-5B Rev. 4-97

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or 141, Wis. Admin. Code, whichever is applicable.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location: SB-8
County: Ashland
___ 1/4 of NW 1/4 of Sec. 33 ; T. 48 N; R. 4 ☐ E ☒ W
(If Applicable) ____ Gov't Lot ____ Grid Number
Grid Location ____ ft. ☐ N. ☐ S., ____ ft. ☐ E. ☐ W.
Civil Town Name: Ashland
Street Address of Well: Kreher Park
City, Village: Ashland

(2) FACILITY NAME Former Schroeder Lumber/Kreher Park

Original Well Owner (If Known):
Present Well Owner: City of Ashland
Street or Route: 601 Main Street
City, State, Zip Code: Ashland, WI 54806
Facility Well No. and/or Name (If Applicable):
WI Unique Well No.:
Reason For Abandonment: test boring
Date of Abandonment: 1/22/02

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 1/22/2002

☐ Monitoring Well
☐ Water Well
☒ Drillhole
☐ Borehole

Construction Report Available? ☐ Yes ☒ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) ____

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft) (From ground surface) ____
Casing Diameter (in.) ____
Casing Depth (ft.) ____

Lower Drillhole Diameter (in.) 8.0

Was Well Annular Space Grouted? ☐ Yes ☒ No ☐ Unknown
If Yes, To What Depth? ____ Feet

(4) Depth to Water (Feet) 7.5

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☒ No	☐ Not Applicable
Screen Removed?	☐ Yes	☒ No	☐ Not Applicable
Casing Left in Place?	☐ Yes	☒ No	

If No, Explain NA

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	☒ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☒ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe - Gravity ☐ Conductor Pipe - Pumped
☐ Dump Bailer ☒ Other (Explain) gravity

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☐ Granular Bentonite
☐ Bentonite-Cement Grout

(7)

Sealing Material Used	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
Bentonite Chips	Surface	8.5	2	

(8) Comments ____

(9) Name of Person or Firm Doing Sealing Work: Boart Longyear
Signature of Person Doing Work
Date Signed
Street or Route: 101 Alderson Street
Telephone Number: 715-359-7090
City, State, Zip Code: Schofield, WI 54476

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

DNR/COUNTY

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT
Form 3300-5B Rev. 4-97

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or 141, Wis. Admin. Code, whichever is applicable.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location: SB-9
County: Ashland
___ 1/4 of NW 1/4 of Sec. 33 ; T. 48 N; R. 4 ☐ E ☒ W
(If Applicable)
_____ Gov't Lot _____ Grid Number
Grid Location
_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.
Civil Town Name: Ashland
Street Address of Well: Kreher Park
City, Village: Ashland

(2) FACILITY NAME Former Schroeder Lumber/Kreher Park

Original Well Owner (If Known)
Present Well Owner: City of Ashland
Street or Route: 601 Main Street
City, State, Zip Code: Ashland, WI 54806
Facility Well No. and/or Name (If Applicable)
WI Unique Well No.
Reason For Abandonment: test boring
Date of Abandonment: 1/22/02

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On
(Date) 1/22/2002

☐ Monitoring Well
☐ Water Well
☒ Drillhole
☐ Borehole

Construction Report Available? ☐ Yes ☒ No

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

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft) _____ (From ground surface)
Casing Diameter (in.) _____
Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) 8.0

Was Well Annular Space Grouted? ☐ Yes ☒ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) 5.0

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☒ No	☐ Not Applicable
Screen Removed?	☐ Yes	☒ No	☐ Not Applicable
Casing Left in Place?	☐ Yes	☒ No	

If No, Explain NA

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	☒ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☒ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe - Gravity ☐ Conductor Pipe - Pumped
☐ Dump Bailer ☒ Other (Explain) gravity

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☐ Granular Bentonite
☐ Bentonite-Cement Grout

(7) Sealing Material Used	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
Bentonite Chips	Surface	8.0	2	

(8) Comments _____

(9) Name of Person or Firm Doing Sealing Work
Boart Longyear

Signature of Person Doing Work
Date Signed
Street or Route: 101 Alderson Street
Telephone Number: 715-359-7090
City, State, Zip Code: Schofield, WI 54476

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected
District/County
Reviewer/Inspector
☐ Complying Work
☐ Noncomplying Work
Follow-up Necessary

DNR/COUNTY

APPENDIX C

Monitoring Well Information Form, Construction Reports and Development Forms

State of Wisconsin
Department of Natural Resources

GROUNDWATER MONITORING WELL INFORMATION FORM
Chapter 144, Wis. Stats.
Form 4400-89 Rev. 1-90

Facility Name: Former Schroeder Lumber/Kreher Park
Facility ID Number:
Date: 1/23/02
Completed By (Name and Firm): Heather Kruel, MSA Professional Services

Well Name	DNR Well ID Number	Well Location	N	S	E	W	Date Established	Well Casing Diam.	Well Casing Type	Elevations Top of Well Casing	Elevations Ground Surface	Reference MSL (X)	Reference Site Datum (X)	Screen Length	Well Depth	Type of Well (X)				Other	Abandoned	Enf. Stds. Apply	Gradient U, S, D or N
																GW							
MW-1	JG403						1/22/02	2.06	P	603.79	604.13	X		10	13	X							N
MW-2	JG404						1/22/02	2.06	P	606.23	606.65	X		10	13.5	X							N
MW-3	JG405						1/22/02	2.06	P	608.84	609.32	X		10	14	X							N
MW-4	JG409						1/23/02	2.06	P	603.33	603.73	X		10	13	X							N
MW-5	JG408						1/23/02	2.06	P	604.55	604.99	X		10	13	X							N
MW-6	JG407						1/23/02	2.06	P	611.68	612.25	X		10	15	X							N
MW-7	JG402						1/23/02	2.06	P	617.70	617.73	X		10	24	X							N

Location Coordinates Are:
Local Grid System (preferred)
State Plane Coordinate
Northern
Central
Southern

Remarks:

PSS Use:
File Maint. Completed:
Other:

WF

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: Former Schroeder Lumber/Kreher Park	Local Grid Location of Well: ____ ft. ☐N. ☐S. ____ ft. ☐E. ☐W.	Well Name: MW-1
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. 46° 35' 53.0" Long. 90° 52' 47.0" or St. Plane ____ ft. N, ____ ft. E. S/C/N	Wis. Unique Well No.: JG403 DNR Well Number: MW-1
Facility ID		Date Well Installed: 01/22/2002
Type of Well: Well Code 11/mw	Section Location of Waste/Source: ____ 1/4 of NW 1/4 of Sec. 33, T. 48 N, R. 4 ☐E ☒W	Well Installed By: (Person's Name and Firm): Randy and Dillion; Boart Longyear
Distance from Waste/Source ____ 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 604.13 ft. MSL

B. Well casing, top elevation 603.79 ft. MSL

C. Land surface elevation 604.1 ft. MSL

D. Surface seal, bottom 603.1 ft. MSL or 1.0 ft.

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

13. Sieve analysis attached? ☐ 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 603.1 ft. MSL or 1.0 ft.

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

G. Filter pack, top 601.6 ft. MSL or 2.5 ft.

H. Screen joint, top 601.1 ft. MSL or 3.0 ft.

I. Well bottom 591.1 ft. MSL or 13.0 ft.

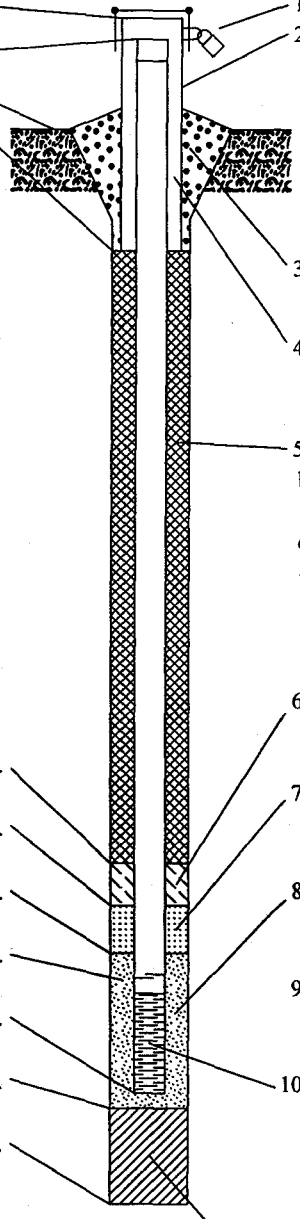
J. Filter pack, bottom 591.1 ft. MSL or 13.0 ft.

K. Borehole, bottom 590.1 ft. MSL or 14.0 ft.

L. Borehole, diameter 8.0 in.

M. O.D. well casing 2.37 in.

N. I.D. well casing 2.06 in.



1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 9.0 in.
b. Length: 1.0 ft.
c. Material: Steel ☒ 04
____ Other ☐ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____

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

4. Material between well casing and protective pipe:
Bentonite ☐ 30
#60-40 Badger Other ☒ __

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

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

7. Fine sand material: Manufacturer, product name & mesh size
a. NA
b. Volume added ____ ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. #60-40 Badger
b. Volume added ____ ft^3

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

10. Screen material: PVC
a. Screen Type: Factory cut ☒ 11
Continuous slot ☐ 01
____ Other ☐ __
b. Manufacturer Boart Longyear
c. Slot size: 0.010 in
d. Slotted length: 10.0 f

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: MSA Professional Services, Inc.
301 West First Street Suite 408 Duluth, MN 55802
Tel: 218-722-391
Fax: 218-722-454

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

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

MONITORING WELL CONSTRUCTIO
Form 4400-113A Rev. 7-98

Facility/Project Name: Former Schroeder Lumber/Kreher Park	Local Grid Location of Well: ____ ft. ☐N. ☐S. ____ ft. ☐E. ☐W.	Well Name: MW-2
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. 46° 35' 53.0" Long. 90° 52' 47.0" or St. Plane ____ ft. N, ____ ft. E. S/C/N	Wis. Unique Well No.: JG404 DNR Well Number: MW-2
Facility ID	Section Location of Waste/Source: ____ 1/4 of NW 1/4 of Sec. 33, T. 48 N, R. 4 ☐E ☒W	Date Well Installed: 01/22/2002
Type of Well: Well Code 11/mw	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Well Installed By: (Person's Name and Firm) Randy and Dillion; Boart Longyear
Distance from Waste/Source ____ ft. Enf. Stds. Apply ☐	Gov. Lot Number: ____	

A. Protective pipe, top elevation 606.65 ft. MSL
B. Well casing, top elevation 606.23 ft. MSL
C. Land surface elevation 606.7 ft. MSL
D. Surface seal, bottom 605.7 ft. MSL or 1.0 ft.

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

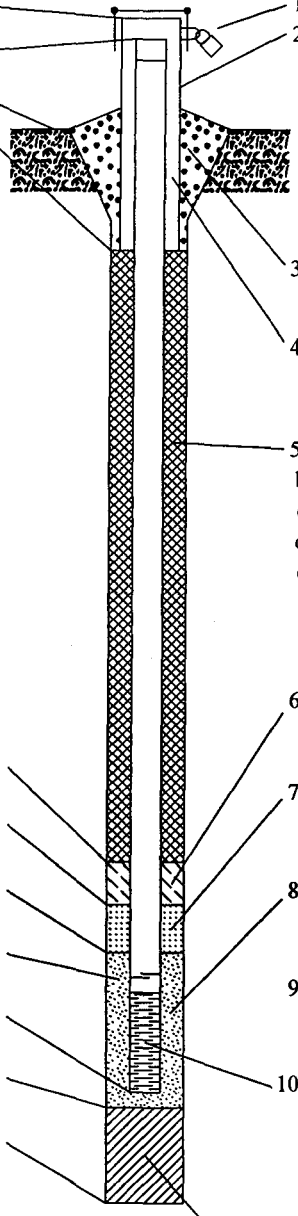
13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 5 0
Hollow Stem Auger ☒ 4 1
____ Other ☐

15. Drilling fluid used: Water ☐ 0 2 Air ☐ 0 1
Drilling Mud ☐ 0 3 None ☒ 9 9

16. Drilling additives used? ☐ Yes ☒ No
Describe ____

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



E. Bentonite seal, top 605.7 ft. MSL or 1.0 ft.
F. Fine sand, top ____ ft. MSL or ____ ft.
G. Filter pack, top 603.7 ft. MSL or 3.0 ft.
H. Screen joint, top 603.2 ft. MSL or 3.5 ft.
I. Well bottom 593.2 ft. MSL or 13.5 ft.
J. Filter pack, bottom 593.2 ft. MSL or 13.5 ft.
K. Borehole, bottom 590.7 ft. MSL or 16.0 ft.
L. Borehole, diameter 8.0 in.
M. O.D. well casing 2.37 in.
N. I.D. well casing 2.06 in.

1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 9.0
b. Length: 1.0
c. Material: ____ Steel ☒ 0 4 Other ☐
d. Additional protection? ☐ Yes ☒ N
If yes, describe: ____
3. Surface seal: Bentonite ☐ 3 Concrete ☒ 0 Other ☐
____
4. Material between well casing and protective pipe: Bentonite ☐ 3
#60-40 Badger Other ☒
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 3 3
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 3
c. ____ Lbs/gal mud weight . . . Bentonite slurry ☐ 3
d. ____ % Bentonite . . . Bentonite-cement grout ☐ 5 0
e. ____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 0
Tremie pumped ☐ 0
Gravity ☒ 0 8
6. Bentonite seal: a. Bentonite granules ☒ 3
b. ☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite chips ☐ 3
c. ____ Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
a. NA
b. Volume added ____ ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. #60-40 Badger
b. Volume added ____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 2 3
Flush threaded PVC schedule 80 ☐ 2
____ Other ☐
10. Screen material: PVC
a. Screen Type: Factory cut ☒ 1
Continuous slot ☐ 0
____ Other ☐
b. Manufacturer Boart Longyear
c. Slot size: 0.010
d. Slotted length: 10.0
11. Backfill material (below filter pack): None ☒ 1 4
____ Other ☐

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

Signature: [redacted] Firm: MSA Professional Services, Inc.
301 West First Street Suite 408 Duluth, MN 55802
Tel: 218-722-3
Fax: 218-722-4

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

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

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Former Schroeder Lumber/Kreher Park	Local Grid Location of Well: ☐N. ☐S. ____ft. ☐E. ☐W. ____ft.	Well Name: MW-3
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. 46° 35' 53.0" Long. 90° 52' 47.0" or	Wis. Unique Well No.: JG405 / DNR Well Number: MW-3
Facility ID	St. Plane ____ ft. N, ____ ft. E. S/C/N	Date Well Installed: 01/22/2002
Type of Well: Well Code 11/mw	Section Location of Waste/Source: ____1/4 of NW 1/4 of Sec. 33, T. 48 N, R. 4 ☐E ☒W	Well Installed By: (Person's Name and Firm): Randy and Dillion; Boart Longyear
Distance from Waste/Source 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 609.32 ft. MSL

B. Well casing, top elevation 608.84 ft. MSL

C. Land surface elevation 609.3 ft. MSL

D. Surface seal, bottom 608.3 ft. MSL or 1.0 ft.

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

13. Sieve analysis attached? ☐ 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 608.3 ft. MSL or 1.0 ft.

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

G. Filter pack, top 605.8 ft. MSL or 3.5 ft.

H. Screen joint, top 605.3 ft. MSL or 4.0 ft.

I. Well bottom 595.3 ft. MSL or 14.0 ft.

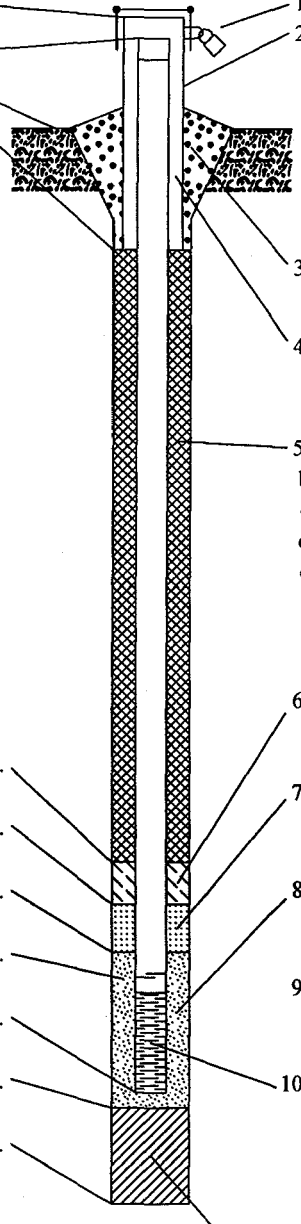
J. Filter pack, bottom 595.3 ft. MSL or 14.0 ft.

K. Borehole, bottom 593.3 ft. MSL or 16.0 ft.

L. Borehole, diameter 8.0 in.

M. O.D. well casing 2.37 in.

N. I.D. well casing 2.06 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
   a. Inside diameter: 9.0 in
   b. Length: 1.0 ft
   c. Material: Steel ☒ 04 / Other ☐ ____
   d. Additional protection? ☐ Yes ☒ No
   If yes, describe: ____
3. Surface seal: Bentonite ☐ 30 / Concrete ☒ 01 / Other ☐ ____
4. Material between well casing and protective pipe: Bentonite ☐ 30 / #60-40 Badger / 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. ____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. NA
   b. Volume added ____ ft³
8. Filter pack material: Manufacturer, product name & mesh size
   a. #60-40 Badger
   b. Volume added ____ 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: 0.010 in
    d. Slotted length: 10.0 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: MSA Professional Services, Inc. 301 West First Street Suite 408 Duluth, MN 55802 Tel: 218-722-391 Fax: 218-722-454

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

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

MONITORING WELL CONSTRUCTIC

Form 4400-113A Rev. 7-98

Facility/Project Name	Local Grid Location of Well	Well Name
Former Schroeder Lumber/Kreher Park	____ft. ☐N. ☐S. ____ft. ☐E. ☐W.	MW-4
Facility License, Permit or Monitoring No.	**Local Grid Origin** ☐ (estimated: ☐) or **Well Location** ☐ Lat. 46° 35' 53.0" Long. 90° 52' 47.0" or	**Wis. Unique Well No.** JG409 / **DNR Well Number** MW-4
Facility ID	St. Plane ____ ft. N, ____ ft. E. S/C/N	**Date Well Installed** 01/23/2002
Type of Well Well Code 11/mw	Section Location of Waste/Source ____1/4 of NW 1/4 of Sec. 33, T. 48 N, R. 4 ☐E ☒W	**Well Installed By: (Person's Name and Firm)** Randy and Dillion / Boart Longyear
Distance from Waste/Source 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 603.73 ft. MSL

B. Well casing, top elevation 603.33 ft. MSL

C. Land surface elevation 603.7 ft. MSL

D. Surface seal, bottom 602.7 ft. MSL or 1.0 ft.

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

13. Sieve analysis attached? ☐ 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 602.7 ft. MSL or 1.0 ft.

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

G. Filter pack, top 601.2 ft. MSL or 2.5 ft.

H. Screen joint, top 600.7 ft. MSL or 3.0 ft.

I. Well bottom 590.7 ft. MSL or 13.0 ft.

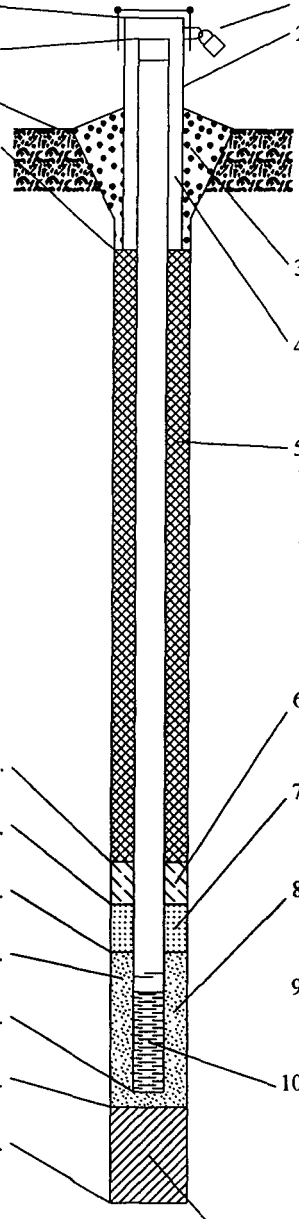
J. Filter pack, bottom 590.7 ft. MSL or 13.0 ft.

K. Borehole, bottom 590.7 ft. MSL or 13.0 ft.

L. Borehole, diameter 8.0 in.

M. O.D. well casing 2.37 in.

N. I.D. well casing 2.06 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 9.0
b. Length: 1.0
c. Material: Steel ☒ 04
____ Other ☐
d. Additional protection? ☐ Yes ☒
If yes, describe: ____
3. Surface seal: Bentonite ☐
Concrete ☒
____ Other ☐
4. Material between well casing and protective pipe:
Bentonite ☐
#60-40 Badger Other ☒
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. ____Lbs/gal mud weight . . . Bentonite-sand slurry ☐
c. ____Lbs/gal mud weight . . . Bentonite slurry ☐
d. ____% Bentonite . . . Bentonite-cement grout ☐ 50
e. ____Ft^3 volume added for any of the above
f. How installed: Tremie ☐
Tremie pumped ☐
Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☒
b. ☐1/4 in. ☐3/8 in. ☐1/2 in. Bentonite chips ☐
c. ____ Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
a. NA
b. Volume added ____ ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. #60-40 Badger
b. Volume added ____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐
____ Other ☐
10. Screen material: PVC
a. Screen Type: Factory cut ☒
Continuous slot ☐
____ Other ☐
b. Manufacturer Boart Longyear
c. Slot size: 0.010
d. Slotted length: 10.0
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: MSA Professional Services, Inc.
301 West First Street Suite 408 Duluth, MN 55802
Tel: 218-722-39
Fax: 218-722-

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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: Former Schroeder Lumber/Kreher Park	Local Grid Location of Well: ____ft. ☐N. ☐S. ____ft. ☐E. ☐W.	Well Name: MW-5
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. 46° 35' 53.0" Long. 90° 52' 47.0" or St. Plane ____ ft. N, ____ ft. E. S/C/N	Wis. Unique Well No.: JG408 / DNR Well Number: MW-5
Facility ID		Date Well Installed: 01/23/2002
Type of Well: Well Code 11/mw	Section Location of Waste/Source: ____1/4 of NW 1/4 of Sec. 33, T. 48 N, R. 4 ☐E ☒W	Well Installed By: (Person's Name and Firm) Randy and Dillion
Distance from Waste/Source ____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known / Gov. Lot Number	Boart Longyear

A. Protective pipe, top elevation 604.99 ft. MSL
B. Well casing, top elevation 604.55 ft. MSL
C. Land surface elevation 605.0 ft. MSL
D. Surface seal, bottom 604.0 ft. MSL or 1.0 ft.

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

13. Sieve analysis attached? ☐ Yes ☒ No

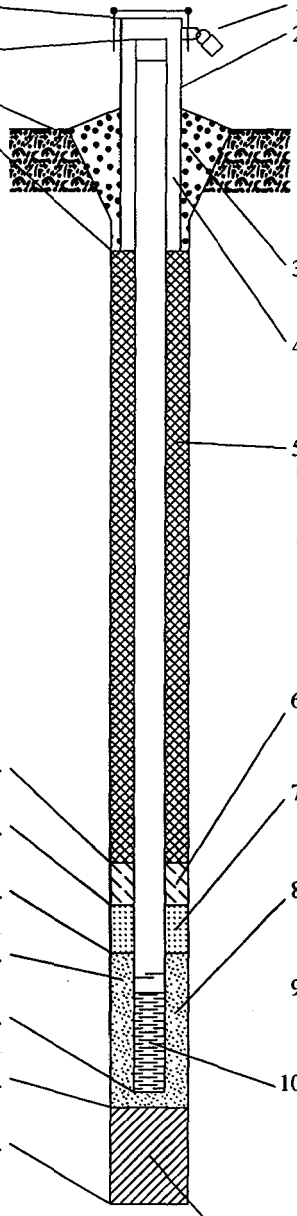
14. Drilling method used: Rotary ☐ 5 0 / Hollow Stem Auger ☒ 4 1 / ____ Other ☐

15. Drilling fluid used: Water ☐ 0 2 Air ☐ 0 1 Drilling Mud ☐ 0 3 None ☒ 9 9

16. Drilling additives used? ☐ Yes ☒ No
Describe ____

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

E. Bentonite seal, top 604.0 ft. MSL or 1.0 ft.
F. Fine sand, top ____ ft. MSL or ____ ft.
G. Filter pack, top 602.5 ft. MSL or 2.5 ft.
H. Screen joint, top 602.0 ft. MSL or 3.0 ft.
I. Well bottom 592.0 ft. MSL or 13.0 ft.
J. Filter pack, bottom 592.0 ft. MSL or 13.0 ft.
K. Borehole, bottom 589.0 ft. MSL or 16.0 ft.
L. Borehole, diameter 8.0 in.
M. O.D. well casing 2.37 in.
N. I.D. well casing 2.06 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 9.0 in
b. Length: 1.0 ft
c. Material: Steel ☒ 0 4 / ____ Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☐ 3 0 / Concrete ☒ 0 1 / ____ Other ☐
4. Material between well casing and protective pipe: Bentonite ☐ 3 0 / #60-40 Badger Other ☒
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 3 3
b. ____Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 3 5
c. ____Lbs/gal mud weight . . . Bentonite slurry ☐ 3 1
d. ____% Bentonite . . . Bentonite-cement grout ☐ 5 0
e. ____Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 0 1 / Tremie pumped ☐ 0 2 / Gravity ☒ 0 8
6. Bentonite seal: a. Bentonite granules ☒ 3 3
b. ☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite chips ☐ 3 2
c. ____ Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
a. NA
b. Volume added ____ ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. #60-40 Badger
b. Volume added ____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 2 3 / Flush threaded PVC schedule 80 ☐ 2 4 / ____ Other ☐
10. Screen material: PVC
a. Screen Type: Factory cut ☒ 1 1 / Continuous slot ☐ 0 1 / ____ Other ☐
b. Manufacturer Boart Longyear
c. Slot size: 0.010 i
d. Slotted length: 10.0
11. Backfill material (below filter pack): None ☒ 1 4 / ____ Other ☐

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

Signature: [signature] Firm: MSA Professional Services, Inc. 301 West First Street Suite 408 Duluth, MN 55802 Tel: 218-722-391 Fax: 218-722-454

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State of Wisconsin
Department of Natural Resources

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

MONITORING WELL CONSTRUCTIO
Form 4400-113A Rev. 7-98

Facility/Project Name: Former Schroeder Lumber/Kreher Park	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: MW-6
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. 46° 35' 53.0" Long. 90° 52' 47.0" or	Wis. Unique Well No.: JG407 / DNR Well Number: MW-6
Facility ID	St. Plane ____ ft. N, ____ ft. E. S/C/N	Date Well Installed: 01/23/2002
Type of Well: Well Code 11/mw	Section Location of Waste/Source: ____ 1/4 of NW 1/4 of Sec. 33, T. 48 N, R. 4 ☐ E ☒ W	Well Installed By: (Person's Name and Firm) Randy and Dillion; Boart Longyear
Distance from Waste/Source ____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient d ☐ Downgradient s ☐ Sidegradient n ☐ Not Known	Gov. Lot Number: ____

A. Protective pipe, top elevation 612.25 ft. MSL
B. Well casing, top elevation 611.68 ft. MSL
C. Land surface elevation 612.3 ft. MSL
D. Surface seal, bottom 611.3 ft. MSL or 1.0 ft.

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

13. Sieve analysis attached? ☐ Yes ☒ No

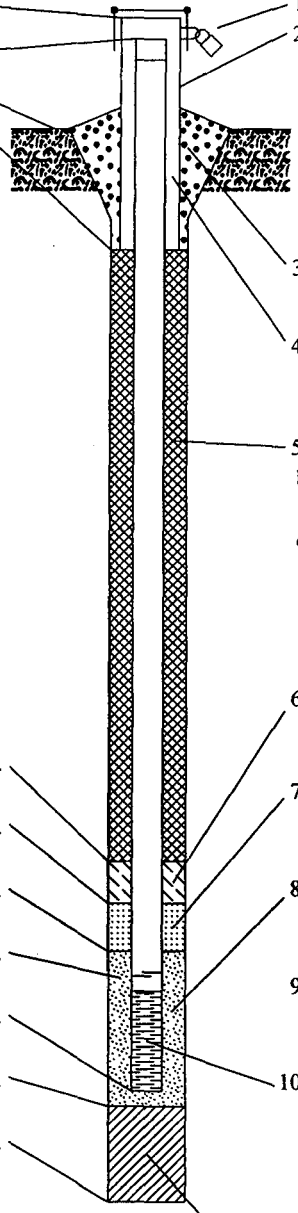
14. Drilling method used: Rotary ☐ 5 0 / Hollow Stem Auger ☒ 4 1 / Other ☐ ____

15. Drilling fluid used: Water ☐ 0 2 / Air ☐ 0 1 / Drilling Mud ☐ 0 3 / None ☒ 9 9

16. Drilling additives used? ☐ Yes ☒ No
Describe ____

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

E. Bentonite seal, top 611.3 ft. MSL or 1.0 ft.
F. Fine sand, top ____ ft. MSL or ____ ft.
G. Filter pack, top 607.8 ft. MSL or 4.5 ft.
H. Screen joint, top 607.3 ft. MSL or 5.0 ft.
I. Well bottom 597.3 ft. MSL or 15.0 ft.
J. Filter pack, bottom 597.3 ft. MSL or 15.0 ft.
K. Borehole, bottom 594.3 ft. MSL or 18.0 ft.
L. Borehole, diameter 8.0 in.
M. O.D. well casing 2.37 in.
N. I.D. well casing 2.06 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 9.0
b. Length: 1.0
c. Material: Steel ☒ 0 4 / Other ☐ ____
d. Additional protection? ☐ Yes ☒ N
If yes, describe: ____
3. Surface seal: Bentonite ☐ 3 / Concrete ☒ 0 / Other ☐ ____
4. Material between well casing and protective pipe: Bentonite ☐ 3 / #60-40 Badger / Other ☒ ____
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 3 3
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 3
c. ____ Lbs/gal mud weight . . . Bentonite slurry ☐ 3
d. ____ % Bentonite . . . Bentonite-cement grout ☐ 5 0
e. ____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ C / Tremie pumped ☐ C / Gravity ☒ 0 8
6. Bentonite seal: a. Bentonite granules ☒ 3
b. ☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite chips ☐ 3
c. ____ Other ☐ ____
7. Fine sand material: Manufacturer, product name & mesh size
a. NA
b. Volume added ____ ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. #60-40 Badger
b. Volume added ____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 2 3 / Flush threaded PVC schedule 80 ☐ ____ / Other ☐ ____
10. Screen material: PVC
a. Screen Type: Factory cut ☒ / Continuous slot ☐ / Other ☐ ____
b. Manufacturer Boart Longyear
c. Slot size: 0.010
d. Slotted length: 10.0
11. Backfill material (below filter pack): None ☒ 1 4 / Other ☐ ____

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

Signature [redacted] Firm MSA Professional Services, Inc. 301 West First Street Suite 408 Duluth, MN 55802 Tel: 218-722-391 Fax: 218-722-

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, 28[illegible] 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

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

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: Former Schroeder Lumber/Kreher Park	Local Grid Location of Well: ____ ft. ☐N. ☐S. ____ ft. ☐E. ☐W.	Well Name: MW-7
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. 46° 35' 53.0" Long. 90° 52' 47.0" or	Wis. Unique Well No.: JG402 / DNR Well Number: MW-7
Facility ID	St. Plane ____ ft. N, ____ ft. E. S/C/N	Date Well Installed: 01/23/2002
Type of Well: Well Code 11/mw	Section Location of Waste/Source: ____ 1/4 of NW 1/4 of Sec. 33, T. 48 N, R. 4 ☐E ☒W	Well Installed By: (Person's Name and Firm) Randy and Dillion / Boart Longyear
Distance from Waste/Source ____ 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 617.73 ft. MSL
B. Well casing, top elevation 617.22 ft. MSL
C. Land surface elevation 617.7 ft. MSL
D. Surface seal, bottom 616.7 ft. MSL or 1.0 ft.

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

13. Sieve analysis attached? ☐ Yes ☒ No

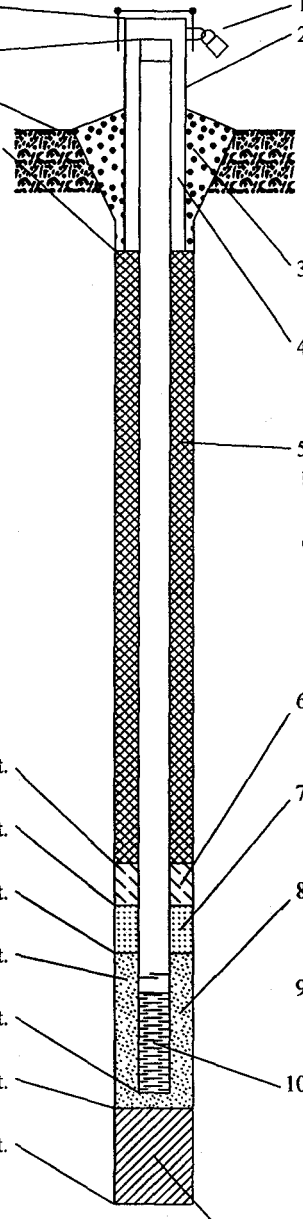
14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
____ Other ☐

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 616.7 ft. MSL or 1.0 ft.
F. Fine sand, top 607.7 ft. MSL or 10.0 ft.
G. Filter pack, top 605.7 ft. MSL or 12.0 ft.
H. Screen joint, top 603.7 ft. MSL or 14.0 ft.
I. Well bottom 593.7 ft. MSL or 24.0 ft.
J. Filter pack, bottom 593.7 ft. MSL or 24.0 ft.
K. Borehole, bottom 593.7 ft. MSL or 24.0 ft.
L. Borehole, diameter 8.0 in.
M. O.D. well casing 2.37 in.
N. I.D. well casing 2.06 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 9.0 in
b. Length: 1.0 ft
c. Material: Steel ☒ 04
____ Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☐ 30
Concrete ☒ 01
____ Other ☐
4. Material between well casing and protective pipe:
Bentonite ☐ 30
#60-40 Badger Other ☒
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. ____ Lbs/gal mud weight . . . Bentonite slurry ☐ 31
d. ____ % Bentonite . . . Bentonite-cement grout ☐ 50
e. ____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01
Tremie pumped ☐ 02
Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☒ 33
b. ☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite chips ☐ 32
c. ____ Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
a. #90 sand
b. Volume added ____ ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. #60-40 Badger
b. Volume added ____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
____ Other ☐
10. Screen material: PVC
a. Screen Type: Factory cut ☒ 11
Continuous slot ☐ 01
____ Other ☐
b. Manufacturer Boart Longyear
c. Slot size: 0.010 i
d. Slotted length: 10.0
11. Backfill material (below filter pack): None ☒ 14
____ Other ☐

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

Signature ____ Firm: MSA Professional Services, Inc.
301 West First Street Suite 408 Duluth, MN 55802
Tel: 218-722-391
Fax: 218-722-454

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	Well Name
Former Schroeder Lumber/Kreher Park	Ashland	MW-1

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well Number
	2	JG403	MW-1

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 54 min.

4. Depth of well (from top of well casing) 12.5 ft.

5. Inside diameter of well 2.06 in.

6. Volume of water in filter pack and well casing 4.8 gal.

7. Volume of water removed from well 20.0 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing) a.	4.02 ft.	3.94 ft.
Date b.	1/24/2002	1/24/2002
Time c.	11:40 ☒ a.m. ☐ p.m.	12:34 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	0.0 inches	0.0 inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe) very turbid, brown	Clear ☒ 20 Turbid ☐ 25 (Describe)
14. Total suspended solids	mg/l	mg/l
15. COD	mg/l	mg/l

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

16. Well developed by: Person's Name and Firm
Heather Krauel
MSA Professional Services, Inc.

17. Additional comments on development:

Facility Address or Owner/Responsible Party Address

Name: Kreher Park Property

Firm: City of Ashland

Street: 601 Main Street

City/State/Zip: Ashland, WI 54806

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

Signature: Heather Krauel

Print Name: Heather Krauel

Firm: MSA Professional Services, Inc.

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

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	Well Name
Former Schroeder Lumber/Kreher Park	Ashland	MW-2

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well Number
	2	JG404	MW-2

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 62 min.

4. Depth of well (from top of well casing) 12.8 ft.

5. Inside diameter of well 2.06 in.

6. Volume of water in filter pack and well casing 3.8 gal.

7. Volume of water removed from well 25.0 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added _____

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

		Before Development	After Development
11. Depth to Water (from top of well casing)	a.	5.95 ft.	6.22 ft.
Date	b.	1/24/2002	1/24/2002
Time	c.	12:45 ☐ a.m. ☒ p.m.	01:47 ☐ a.m. ☒ p.m.
12. Sediment in well bottom		0.1 inches	0.0 inches
13. Water clarity		Clear ☐ 10 Turbid ☒ 15 (Describe) very turbid, brown	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: Person's Name and Firm
Heather Krauel
MSA Professional Services, Inc.

17. Additional comments on development:

Facility Address or Owner/Responsible Party Address

Name: Kreher Park Property

Firm: City of Ashland

Street: 601 Main Street

City/State/Zip: Ashland, WI 54806

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

Signature: Heather Krauel

Print Name: Heather Krauel

Firm: MSA Professional Services, Inc.

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

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	Well Name
Former Schroeder Lumber/Kreher Park	Ashland	MW-3

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well Number
	2	JG405	MW-3

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 80 min.

4. Depth of well (from top of well casing) 13.1 ft.

5. Inside diameter of well 2.06 in.

6. Volume of water in filter pack and well casing 2.3 gal.

7. Volume of water removed from well 20.0 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added _____

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

		Before Development	After Development
11. Depth to Water (from top of well casing)	a.	9.06 ft.	12.90 ft.
Date	b.	1/24/2002	1/24/2002
Time	c.	☐ a.m. 01:23 ☒ p.m.	☐ a.m. 03:01 ☒ p.m.
12. Sediment in well bottom		0.1 inches	0.0 inches

13. Water clarity

Before Development	After Development
Clear ☐ 10	Clear ☒ 20
Turbid ☒ 15	Turbid ☐ 25
(Describe)	(Describe)
very turbid, brown	

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: Person's Name and Firm
Randy Radke
Boart Longyear

17. Additional comments on development:

Facility Address or Owner/Responsible Party Address

Name: Kreher Park Property

Firm: City of Ashland

Street: 601 Main Street

City/State/Zip: Ashland, WI 54806

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

Signature: [signature]

Print Name: Heather Krauel

Firm: MSA Professional Services, Inc.

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

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	Well Name
Former Schroeder Lumber/Kreher Park	Ashland	MW-4

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well Number
	2	JG409	MW-4

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 61 min.

4. Depth of well (from top of well casing) 13.3 ft.

5. Inside diameter of well 2.06 in.

6. Volume of water in filter pack and well casing 5.7 gal.

7. Volume of water removed from well 20.0 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added _____

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

		Before Development	After Development
11. Depth to Water (from top of well casing)	a.	3.22 ft.	3.31 ft.
Date	b.	1/24/2002	1/24/2002
Time	c.	☐ a.m. 02:01 ☒ p.m.	☐ a.m. 03:06 ☒ p.m.
12. Sediment in well bottom		0.1 inches	0.0 inches

13. Water clarity

Before Development	After Development
Clear ☐ 10	Clear ☒ 20
Turbid ☒ 15	Turbid ☐ 25
(Describe)	(Describe)
very turbid, brown	

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: Person's Name and Firm
Heather Krauel
MSA Professional Services, Inc.

17. Additional comments on development:

Facility Address or Owner/Responsible Party Address

Name: Kreher Park Property

Firm: City of Ashland

Street: 601 Main Street

City/State/Zip: Ashland, WI 54806

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

Signature: Heather Krauel

Print Name: Heather Krauel

Firm: MSA Professional Services, Inc.

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

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	Well Name
Former Schroeder Lumber/Kreher Park	Ashland	MW-5

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well Number
	2	JG408	MW-5

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 68 min.

4. Depth of well (from top of well casing) 8.9 ft.

5. Inside diameter of well 2.06 in.

6. Volume of water in filter pack and well casing 2.5 gal.

7. Volume of water removed from well 55.0 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added _____

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

		Before Development	After Development
11. Depth to Water (from top of well casing)	a.	4.45 ft.	4.43 ft.
Date	b.	1/24/2002	1/24/2002
Time	c.	09:08 ☒ a.m. ☐ p.m.	10:19 ☒ a ☐ p.m.
12. Sediment in well bottom		4.1 inches	0.0 inches
13. Water clarity		Clear ☐ 10 Turbid ☒ 15 (Describe) very turbid, brown	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: Person's Name and Firm
Heather Krauel
MSA Professional Services, Inc.

17. Additional comments on development:

Facility Address or Owner/Responsible Party Address

Name: Kreher Park Property
Firm: City of Ashland
Street: 601 Main Street
City/State/Zip: Ashland, WI 54806

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

Signature: Heather Krauel
Print Name: Heather Krauel
Firm: MSA Professional Services, Inc.

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

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	Well Name
Former Schroeder Lumber/Kreher Park	Ashland	MW-6

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well Number
	2	JG407	MW-6

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 82 min.

4. Depth of well (from top of well casing) 14.2 ft.

5. Inside diameter of well 2.06 in.

6. Volume of water in filter pack and well casing 1.4 gal.

7. Volume of water removed from well 10.0 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing) a.	11.65 ft.	12.02 ft.
Date b.	1/24/2002	1/24/2002
Time c.	☒ a.m. 10:29 ☐ p.m.	☒ a.m. 11:43 ☐ p.m.
12. Sediment in well bottom	0.2 inches	0.0 inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe) very turbid, brown	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: Person's Name and Firm
Heather Krauel
MSA Professional Services, Inc.

17. Additional comments on development:

Facility Address or Owner/Responsible Party Address

Name: Kreher Park Property

Firm: City of Ashland

Street: 601 Main Street

City/State/Zip: Ashland, WI 54806

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

Signature: Heather Krauel

Print Name: Heather Krauel

Firm: MSA Professional Services, Inc.

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

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	Well Name
Former Schroeder Lumber/Kreher Park	Ashland	MW-7

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well Number
	2	JG402	MW-7

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 _____	☐ [redacted]

3. Time spent developing well — min.

4. Depth of well (from top of well casing) — ft.

5. Inside diameter of well — in.

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

7. Volume of water removed from well — gal.

8. Volume of water added (if any) — gal.

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing) a.	ft.	ft. [redacted]
Date b.		
Time c.	☒ a.m. ☐ p.m.	☒ a ☐ p.m.
12. Sediment in well bottom	inches	inches [redacted]
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: Person's Name and Firm

17. Additional comments on development:

Monitoring well is dry.

Facility Address or Owner/Responsible Party Address

Name: Kreher Park Property

Firm: City of Ashland

Street: 601 Main Street

City/State/Zip: Ashland, WI 54806

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

Signature: Heather Krauel

Print Name: Heather Krauel

Firm: MSA Professional Services, Inc.

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

APPENDIX D

Groundwater Sample Field Procedures and Field Sheets

GROUNDWATER SAMPLING FIELD PROCEDURES DOCUMENTATION

Facility/Project Name: Kreher Park Date: 2/13/02
Section/Grid Location or Address: S1/2 of the NW1/4 of Section 33, Township 48N, Range 4
Facility Type: Former Schroeder Lumber Company , Currently Kreher Park License/Permit #:
Regulatory Program: WDNR
Weather (temp,. cloudiness, bar. pres., wind): Windy, cold, partly cloudy
Persons Sampling and Title: Heather Krauel, Staff Hydrogeologist

Water Level Equipment (type, model): Solinst Model 101
Purging Method (type, model, material): 3-foot PVC Disposable bailer
Purging Method (required well vol. or stabilization): Required well volume
How Purge Volume Measured? (eg., calibrated bucket): Calibrated Bucket
Sample Collection Equipment (type, model, material): Analytical samples were collected using a 3-foot PVC disposable bailer
Method of Sample Withdrawal (bottom emptying device, low flow): Analytical parameters = bottom emptying device (i.e bailer)
Type of Transfer Containers: None
Filtering Equipment (type, material): Nalgene disposable serum filter 500 ml
Filter Membrane (type, pore size): 0.45 micron
When Where Samples Sent to Lab? 2/14/02
What Lab Were the Samples Sent to? APL, 5222 West Calumet Road, Milwaukee, Wisconsin
Were Enforcement Samples Sent? No
How Were Samples Kept Cool (ice, other)? Cooler and Ice
Equipment Decontamination Procedures? Alconox and water with a distilled water rinse

Decontamination Water Disposal? At site - 55 gallon drums

pH Meter (type, model): Quanta G - Hydrolab
- Person calibrating: Pre-calibrated at lab
- Frequency calibrated: N/A
- Calibration procedures (buffers used): N/A
- Problems with meter: None

Conductivity Meter (type, model): Quanta G - Hydrolab
- Person calibrating: Pre-calilbrated at Lab
- Frequency calibrated:
- Calibration procedures):
- Problems with meter:

Nitrate Equipment (type, model): NA
- Reagent Blank:
- Accuracy check:
- Problems with meter:

Dissolved Oxygen Meter (type, model): Quanta G - Hydrolab
- Person calibrating/set-up: Pre-calilbrated at Lab
- Frequency calibrated:
- Calibration procedures:
- Problems with meter:

Alkalinity Test Method: NA
- Problems with test:

Iron II Equipment (type, model): NA
- Accuracy check:
- Problems with meter:

Temperature Measurement Method: Quanta G - Hydrolab

When Were In-field Measurements Taken (immediately after collection or XX minutes after collection)?: Before well was purged
Comments (Discuss well damage, purging or sampling problems, deviations from sampling plan, etc.): MW-7 was dry

Sheet Completed by _____ Date _____

WELL INFORMATION AND SAMPLING FIELD SHEET (Sheet 1 of 1)

Facility/Project Name: Kroger Pond Date: 2/13/02
Section/Grid or Address: ~~WDNR Project REM~~
License or Permit #:
Weather today and past weeks (precipitation): windy, above average temps and little snow
Persons Sampling: Heather Kraus

Well Name					
Unique Well No.	MW-1 JG403	MW-2 JG404	MW-3 JG405	MW-4 JG409	MW-5 JG408
Damage to Well? (Y/N)	~~X~~ NO/yes	NO	NO	NO	~~X~~ NO/yes
Top of Casing or Ref. Elevation (MSL)	603.79	606.23	608.84	603.33	604.55
Ground Elevation (MSL)	604.13	606.65	609.32	603.73	604.99
Depth to Water (to 0.01 ft)	3.74	6.13	8.41	3.39	4.61
Groundwater Elevation (MSL)	600.05	600.10	600.43	599.94	~~12.26~~ 599.94
Depth to Well Bottom (ft)	12.54	12.70	13.65	12.37	12.26
Well Diameter (inches)	2"	2"	2"	2"	2"
Well Volume (gal. or liters)	1.4	1.1	0.74	1.4	1.2
Purging Device; dedicated (D) or portable (PT)	PT	PT	PT	PT	PT
Purging Type; Bailer (B) or Pump (P)	B	B	B	B	B
Pump QA#					
Purging Intake Depth (ft)	3.74	6.13	8.41	3.39	4.61
Purging Time (start - stop)	9:51/10:45	11:05/12:06	12:57/1:50	2:20/2:46	3:51/4:28
Average Purging Flow Rate (gpm or L/min)	.2	.2	.2	.2	.2
Volume Purged (gal. or liters)	5.5	5.0	4.0	6.0	5.0
Purged Dry? (Y/N)	NO	NO	NO	NO	NO
Problems Purging? (Y/N)	NO	NO	NO	NO	NO
Sampling Type (B or P)	B	B	B	B	B
Sampling Intake Depth (ft)	3.8	6.2	8.6	3.6	4.8
Average Sampling Flow Rate (gpm or L/min)	.2	.2	.2	.2	.2
Time Sample Collected	10:45	12:06	1:50	2:46	4:28
Sample Parameters	VOC,	SVOC,	+	& RCRA	
~~Field Temperature (°C)~~ next page	Metals				
Time Measured					

** see notes

Well Name:	MW-1	MW-2	MW-3	MW-4	MW-5
Temperature (°C)	7.32	7.89	9.70	7.56	8.56
Time Measured					
Specific Conductance (mS/cm)	0.923	2.15	3.04	1.156	4.61
Time Measured					
Dissolved Oxygen (mg/l)	0.74	0.56	0.53	6.75	0.80
Time Measured					
pH (standard units)	6.50	6.70	6.92	7.38	6.75
Time Measured					
Salinity (PSS)	0.45	1.08	1.56	0.57	2.09
Time Measured					
Dissolved Oxygen % Saturation	6.2	4.7	4.7	6.3	4.4
Time Measured					
Oxidation-Reduction Potential (mV)	160	131	122	65	189
Time Measured					
Alkalinity (mg/L) - High Range - Low Range	did not analyze				
Nitrate (mg/L)					
Iron (Fe^{+2})					
Time Measured					
Well Capped & Locked? (Y/N)	yes	yes	yes	yes	yes

Comments (Discuss well damage, purging or sampling problems, deviations from sampling plan, etc.): _____

Sheet Completed by Heather Kramer Date 2/13/02

WELL INFORMATION AND SAMPLING FIELD SHEET (Sheet 3 of 4)

Facility/Project Name: Kroger Park Date: 2/13/02
Section/Grid or Address:
License or Permit #:
Weather today and past weeks (precipitation):
Persons Sampling: Heather Kravel

Well Name					
Unique Well No.	MW-6 JG407	MW-7			
Damage to Well? (Y/N)	NO	NO			
Top of Casing or Ref. Elevation (MSL)	611.68	617.22			
Ground Elevation (MSL)	612.25	617.73			
Depth to Water (to 0.01 ft)	11.88	dry			
Groundwater Elevation (MSL)	599.80				
Depth to Well Bottom (ft)	14.18				
Well Diameter (inches)	2"				
Well Volume (gal. or liters)	0.40				
Purging Device; dedicated (D) or portable (PT)	PT				
Purging Type; Bailer (B) or Pump (P)	B				
Pump QA#					
Purging Intake Depth (ft)	11.88				
Purging Time (start - stop)	3:05/3:27				
Average Purging Flow Rate (gpm or L/min)	.2				
Volume Purged (gal. or liters)	2				
Purged Dry? (Y/N)	yes				
Problems Purging? (Y/N)	no				
Sampling Type (B or P)	B				
Sampling Intake Depth (ft)	~13				
Average Sampling Flow Rate (gpm or L/min)	.2				
Time Sample Collected	3:27				
Sample Parameters	VOC SVOC 8 RCRA Metals				
~~Field Temperature (°C)~~ see next page					
Time Measured					

Well Name:	MW-6				
Temperature (°C)	9.66				
Time Measured					
Specific Conductance (mS/cm)	2.75				
Time Measured					
Dissolved Oxygen (mg/l)	0.51				
Time Measured					
pH (standard units)	7.02				
Time Measured					
Salinity (PSS)	1.40				
Time Measured					
Dissolved Oxygen % Saturation	4.5				
Time Measured					
Oxidation-Reduction Potential (mV)	74				
Time Measured					
Alkalinity (mg/L) - High Range - Low Range					
Nitrate (mg/L)	did not analyze				
Iron (Fe^{+2})					
Time Measured					
Well Capped & Locked? (Y/N)					

Comments (Discuss well damage, purging or sampling problems, deviations from sampling plan, etc.): _____

Sheet Completed by _____ Date 2/13/02

GROUNDWATER SAMPLING FIELD PROCEDURES DOCUMENTATION

Facility/Project Name: Kreher Park Date: 4/8 and 18/02
Section/Grid Location or Address: S1/2 of the NW1/4 of Section 33, Township 48N, Range 4
Facility Type: Former Schroeder Lumber Company , Currently Kreher Park License/Permit #:
Regulatory Program: WDNR
Weather (temp,. cloudiness, bar. pres., wind): Windy, cold, partly cloudy
Persons Sampling and Title: Heather Krauel, Staff Hydrogeologist

Water Level Equipment (type, model): Solinst Model 101
Purging Method (type, model, material): 3-foot PVC Disposable bailer
Purging Method (required well vol. or stabilization): Required well volume
How Purge Volume Measured? (eg., calibrated bucket): Calibrated Bucket
Sample Collection Equipment (type, model, material): Analytical samples were collected using a 3-foot PVC disposable bailer
Method of Sample Withdrawal (bottom emptying device, low flow): Analytical parameters = bottom emptying device (i.e bailer)
Type of Transfer Containers: None
Filtering Equipment (type, material): Nalgene disposable serum filter 500 ml
Filter Membrane (type, pore size): 0.45 micron
When Where Samples Sent to Lab? 4/9 and 19 /02
What Lab Were the Samples Sent to? APL, 5222 West Calumet Road, Milwaukee, Wisconsin
Were Enforcement Samples Sent? No
How Were Samples Kept Cool (ice, other)? Cooler and Ice
Equipment Decontamination Procedures? Alconox and water with a distilled water rinse

Decontamination Water Disposal? At site - 55 gallon drums

pH Meter (type, model): Quanta G - Hydrolab
- Person calibrating: Pre-calibrated at lab
- Frequency calibrated: N/A
- Calibration procedures (buffers used): N/A
- Problems with meter: None

Conductivity Meter (type, model): Quanta G - Hydrolab
- Person calibrating: Pre-calilbrated at Lab
- Frequency calibrated:
- Calibration procedures):
- Problems with meter:

Nitrate Equipment (type, model): NA
- Reagent Blank:
- Accuracy check:
- Problems with meter:

Dissolved Oxygen Meter (type, model): Quanta G - Hydrolab
- Person calibrating/set-up: Pre-calilbrated at Lab
- Frequency calibrated:
- Calibration procedures:
- Problems with meter:

Alkalinity Test Method: NA
- Problems with test:

Iron II Equipment (type, model): NA
- Accuracy check:
- Problems with meter:

Temperature Measurement Method: Quanta G - Hydrolab

When Were In-field Measurements Taken (immediately after collection or XX minutes after collection)?: Before well was purged
Comments (Discuss well damage, purging or sampling problems, deviations from sampling plan, etc.): Monitoring well MW-7 was dry. Monitoring well MW-5 was under snow and water, returned on April 18, 2002

Sheet Completed by _____ Date _____

WELL INFORMATION AND SAMPLING FIELD SHEET (Sheet ___ of ___)

Facility/Project Name: Kroger Park Date: 4/9/02
Section/Grid or Address:
License or Permit #: WPWR # REAU
Weather today and past weeks (precipitation): 50° sunny, still snow on ground, wet!!
Persons Sampling: Heather Knauer

Well Name					
Unique Well No.	MW-1	MW-2	MW-3	MW-4	MW-6 ☆
Damage to Well? (Y/N)	n	n	n	n	n
Top of Casing or Ref. Elevation (MSL)	603.79	606.23	608.84	603.33	604.55
Ground Elevation (MSL)	604.13	606.65	609.32	603.73	604.99
Depth to Water (to 0.01 ft)	3.97	6.25	8.23	3.28	11.92
Groundwater Elevation (MSL)	599.82	599.73	600.61	600.05	592.63
Depth to Well Bottom (ft)	12.53	12.68	13.65	12.36	14.62
Well Diameter (inches)	2"				
Well Volume (gal. or liters)	1.4	1.0	0.87	1.5	0.43
Purging Device; dedicated (D) or portable (PT)	PT				
Purging Type; Bailer (B) or Pump (P)	B				
Pump QA#					
Purging Intake Depth (ft)	3.97	6.25	~~6.89~~ 8.23	3.28	11.92
Purging Time (start - stop)	12:30-1:37	10:03-11:21	2:01-2:29	3:13-3:31	3:45-4:08
Average Purging Flow Rate (gpm or L/min)	.2				
Volume Purged (gal. or liters)	7.0	4.0	2.5	6.5	1.5
Purged Dry? (Y/N)	n	n	yes	no	yes
Problems Purging? (Y/N)	n	n	n	n	n
Sampling Type (B or P)	B				
Sampling Intake Depth (ft)					
Average Sampling Flow Rate (gpm or L/min)	.2				
Time Sample Collected	1:37	11:21	2:29	3:31	4:08
Sample Parameters	VOCs,	SVOCs,	metals		
Field Temperature (°C)					
Time Measured					

☆ MW-5 was underwater and was not sampled AT this time.

MW-7 dry

Well Name:	MW-1	MW-2	MW-3	MW-4	MW-6
Temperature (°C)	7.46	8.75	8.48	8.06	9.42
Time Measured					
Specific Conductance (mS/cm)	1,006	2.05	1.53	1.23	3.17
Time Measured					
Dissolved Oxygen (mg/l)	0.56	0.57	0.50	0.60	0.36
Time Measured					
pH (standard units)	6.81	6.87	6.81	7.21	7.09
Time Measured					
Salinity (PSS)	0.49	1.03	0.76	0.51	1.63
Time Measured					
Dissolved Oxygen % Saturation	4.8	5.1	4.3	7.0	3.3
Time Measured					
Oxidation-Reduction Potential (mV)	1.28	92	177	79	-68
Time Measured					
Alkalinity (mg/L) - High Range - Low Range					
Nitrate (mg/L)	NA	→			
Iron (Fe^{+2})					
Time Measured					
Well Capped & Locked? (Y/N)					

Comments (Discuss well damage, purging or sampling problems, deviations from sampling plan, etc.): _____

Sheet Completed by _____ Date _____

WELL INFORMATION AND SAMPLING FIELD SHEET (Sheet 1 of 1)

Facility/Project Name: Krehor Park Date: 4/18/02
Section/Grid or Address:
License or Permit #:
Weather today and past weeks (precipitation):
Persons Sampling: Heather [illegible]

Took water levels

Well Name:					
Unique Well No.	MW5		sample date	Depth ground	
Damage to Well? (Y/N)	no		MW-1	2.85	
Top of Casing or Ref. Elevation (MSL)			MW-2	5.98	
Ground Elevation (MSL)			MW3	7.83	
Depth to Water (to 0.01 ft)	4.35		MW-4	2.99	
Groundwater Elevation (MSL)			MW6	11.01	
Depth to Well Bottom (ft)	12.25'		MW7	X	
Well Diameter (inches)	2"				
Well Volume (gal. or liters)	1.26				
Purging Device; dedicated (D) or portable (PT)	PT				
Purging Type; Bailer (B) or Pump (P)	B				
Pump QA#					
Purging Intake Depth (ft)	4.35				
Purging Time (start - stop)	10:37-10:47				
Average Purging Flow Rate (gpm or L/min)	.2				
Volume Purged (gal. or liters)	5.5				
Purged Dry? (Y/N)	no				
Problems Purging? (Y/N)	no				
Sampling Type (B or P)	B				
Sampling Intake Depth (ft)	~5.00				
Average Sampling Flow Rate (gpm or L/min)	.2				
Time Sample Collected	11:01				
Sample Parameters	SVOC				
Field Temperature (°C)	VOC 8 metals				
Time Measured					

Well Name:	MW-5				
Temperature (°C)	9.01				
Time Measured					
Specific Conductance (mS/cm)	3.01				
Time Measured					
Dissolved Oxygen (mg/l)	0.48				
Time Measured					
pH (standard units)	7.09				
Time Measured					
Salinity (PSS)	1.54				
Time Measured					
Dissolved Oxygen % Saturation	4.5				
Time Measured					
Oxidation-Reduction Potential (mV)	92				
Time Measured					
Alkalinity (mg/L) - High Range - Low Range	not measured				
Nitrate (mg/L)					
Iron (Fe^{+2})					
Time Measured					
Well Capped & Locked? (Y/N)					

Comments (Discuss well damage, purging or sampling problems, deviations from sampling plan, etc.): _____

Sheet Completed by Heather Krug Date 4/18/02

APPENDIX E

Laboratory Reports and Chain of Custody Records

PL Environmental

222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

Project Name:	Kreher Park
Project ID:	MSA # 212936 Quote # 20010802
Project Manager:	Brian Hegge
Company:	MSA
Address:	1635 N Stevens St.
City/State/Zip	Rhinelander, WI
Phone:	715-362-3244
Fax:	

Samples received "On Ice" | Temperature: ____C | Sample intact/not leaking

A. HCl B. HNO3 C. NaOH D. H2SO4 E. Methanol F. Filtered G. None H. Others

100

Preservation / Filtration Code

Test Required	Matrix																	
VOC method 8260	SOIL	1	2	3	4	5	6	7	8	9	10							E
SVOC Method 8270		1	2	3	4	X	6	7	8	9	10							G
8 RCRA Metals (arsenic, cadium, chromium, (copper, iron, lead, nickel and zinc)		1	2	3	4	X	6	7	8	9	10							G

Additional Information:

Collection Time	12:52	1:29	2:10	2:51	2:47	3:56	5:38	8:24	9:52	10:35								
Collection Date	11/22/02							11/22/02										
Sample ID	SB-1 4-6'	SB-2 2-4'	SB-3 2-4'	SB-4 2-4'	Methanol blank	SB-5 4-6'	SB-6 18-20'	SB-7 6-8'	SB-8 6-8'	SB-9 4-6'								
Lab ID	27301	27302	27303	27304	27310	27305	27306	27307	27308	27309								
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	

COC# 2002259

Relinquished By:	Date/Time	Received By:	Special Instructions:
	11/22/02 10:59		

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020059**
DATE REPORTED: 12-Feb-02
DATE RECEIVED: 23-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA#212936,Q
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Sample Number: 27301 — QC Prep Batch Number: 999692 — Collection: 1/21/2002 — Time: 12:52
Client ID: SB-1 — % Solid = 74 % — Sample Description: 4-6'

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1-Trichloroethane	< 21	ug/kg	21	67	1		8260	qh	1/30/2002 / 1/30/2002
1,1,2,2-Tetrachloroethane	< 30	ug/kg	30	94	1		8260	qh	1/30/2002 / 1/30/2002
1,1,2-Trichloroethane	< 30	ug/kg	30	94	1		8260	qh	1/30/2002 / 1/30/2002
1,1-Dichloroethane	< 22	ug/kg	22	69	1		8260	qh	1/30/2002 / 1/30/2002
1,1-Dichloroethene	< 23	ug/kg	23	73	1		8260	qh	1/30/2002 / 1/30/2002
1,2,3-Trichlorobenzene	< 34	ug/kg	34	107	1		8260	qh	1/30/2002 / 1/30/2002
1,2,4-Trichlorobenzene	< 32	ug/kg	32	101	1		8260	qh	1/30/2002 / 1/30/2002
1,2,4-Trimethylbenzene	< 20	ug/kg	20	65	1		8260	qh	1/30/2002 / 1/30/2002
1,2-Dibromo-3-chloropropan	< 22	ug/kg	22	71	1		8260	qh	1/30/2002 / 1/30/2002
1,2-Dichlorobenzene	< 23	ug/kg	23	73	1		8260	qh	1/30/2002 / 1/30/2002
1,2-Dichloroethane	< 23	ug/kg	23	75	1		8260	qh	1/30/2002 / 1/30/2002
1,2-Dichloropropane	< 22	ug/kg	22	69	1		8260	qh	1/30/2002 / 1/30/2002
1,3,5-Trimethylbenzene	< 23	ug/kg	23	74	1		8260	qh	1/30/2002 / 1/30/2002
1,3-Dichlorobenzene	< 18	ug/kg	18	56	1		8260	qh	1/30/2002 / 1/30/2002
1,3-Dichloropropane	< 26	ug/kg	26	84	1		8260	qh	1/30/2002 / 1/30/2002
1,4-Dichlorobenzene	< 24	ug/kg	24	77	1		8260	qh	1/30/2002 / 1/30/2002
2,2-Dichloropropane	< 19	ug/kg	19	59	1		8260	qh	1/30/2002 / 1/30/2002
2-Chlorotoluene	< 20	ug/kg	20	64	1		8260	qh	1/30/2002 / 1/30/2002
4-Chlorotoluene	< 18	ug/kg	18	57	1		8260	qh	1/30/2002 / 1/30/2002
Benzene	< 18	ug/kg	18	58	1		8260	qh	1/30/2002 / 1/30/2002
Bromobenzene	< 21	ug/kg	21	67	1		8260	qh	1/30/2002 / 1/30/2002
Bromodichloromethane	< 26	ug/kg	26	82	1		8260	qh	1/30/2002 / 1/30/2002
Carbon tetrachloride	< 18	ug/kg	18	58	1		8260	qh	1/30/2002 / 1/30/2002
Chlorobenzene	< 18	ug/kg	18	56	1		8260	qh	1/30/2002 / 1/30/2002
Chloroethane	< 43	ug/kg	43	137	1		8260	qh	1/30/2002 / 1/30/2002
Chloroform	< 16	ug/kg	16	52	1		8260	qh	1/30/2002 / 1/30/2002
Chloromethane	< 33	ug/kg	33	106	1		8260	qh	1/30/2002 / 1/30/2002
cis-1,2-Dichloroethene	< 18	ug/kg	18	58	1		8260	qh	1/30/2002 / 1/30/2002
Dibromochloromethane	< 28	ug/kg	28	87	1		8260	qh	1/30/2002 / 1/30/2002
Dichlorodifluoromethane	< 18	ug/kg	18	57	1		8260	qh	1/30/2002 / 1/30/2002
Ethylbenzene	< 17	ug/kg	17	54	1		8260	qh	1/30/2002 / 1/30/2002
Hexachlorobutadiene	< 28	ug/kg	28	90	1		8260	qh	1/30/2002 / 1/30/2002
Isopropyl Ether	< 20	ug/kg	20	64	1		8260	qh	1/30/2002 / 1/30/2002
Isopropylbenzene	< 22	ug/kg	22	70	1		8260	qh	1/30/2002 / 1/30/2002
m&p-xylene	< 36	ug/kg	36	115	1		8260	qh	1/30/2002 / 1/30/2002
Methylene chloride	< 20	ug/kg	20	65	1		8260	qh	1/30/2002 / 1/30/2002
MTBE	< 26	ug/kg	26	84	1		8260	qh	1/30/2002 / 1/30/2002
n-Butylbenzene	< 24	ug/kg	24	77	1		8260	qh	1/30/2002 / 1/30/2002
n-Propylbenzene	< 19	ug/kg	19	61	1		8260	qh	1/30/2002 / 1/30/2002

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020059
DATE REPORTED: 12-Feb-02
DATE RECEIVED: 23-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA#212936,Q
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Naphthalene	313	ug/kg	51	162	1		8260	qh	1/30/2002 / 1/30/2002
o-xylene	< 17	ug/kg	17	54	1		8260	qh	1/30/2002 / 1/30/2002
p-Isopropyltoluene	< 21	ug/kg	21	67	1		8260	qh	1/30/2002 / 1/30/2002
sec-Butylbenzene	< 23	ug/kg	23	72	1		8260	qh	1/30/2002 / 1/30/2002
tert-Butylbenzene	< 20	ug/kg	20	65	1		8260	qh	1/30/2002 / 1/30/2002
Tetrachloroethene	< 21	ug/kg	21	66	1		8260	qh	1/30/2002 / 1/30/2002
Toluene	< 20	ug/kg	20	63	1		8260	qh	1/30/2002 / 1/30/2002
trans-1,2-Dichloroethene	< 17	ug/kg	17	54	1		8260	qh	1/30/2002 / 1/30/2002
Trichloroethene	< 23	ug/kg	23	74	1		8260	qh	1/30/2002 / 1/30/2002
Trichlorofluoromethane	< 16	ug/kg	16	52	1		8260	qh	1/30/2002 / 1/30/2002
Vinyl chloride	< 14	ug/kg	14	46	1		8260	qh	1/30/2002 / 1/30/2002

Sample Number: 27302
Client ID: SB-2

QC Prep Batch Number: 999692
% Solid = 82.1 %

Collection: 1/21/2002 Time: 13:29
Sample Description: 2-4'

1,1,1-Trichloroethane	< 19	ug/kg	19	61	1		8260	qh	1/30/2002 / 1/30/2002
1,1,2,2-Tetrachloroethane	< 27	ug/kg	27	85	1		8260	qh	1/30/2002 / 1/30/2002
1,1,2-Trichloroethane	< 27	ug/kg	27	85	1		8260	qh	1/30/2002 / 1/30/2002
1,1-Dichloroethane	< 19	ug/kg	19	62	1		8260	qh	1/30/2002 / 1/30/2002
1,1-Dichloroethene	< 21	ug/kg	21	66	1		8260	qh	1/30/2002 / 1/30/2002
1,2,3-Trichlorobenzene	< 30	ug/kg	30	96	1		8260	qh	1/30/2002 / 1/30/2002
1,2,4-Trichlorobenzene	< 29	ug/kg	29	91	1		8260	qh	1/30/2002 / 1/30/2002
1,2,4-Trimethylbenzene	< 18	ug/kg	18	58	1		8260	qh	1/30/2002 / 1/30/2002
1,2-Dibromo-3-chloropropan	< 20	ug/kg	20	64	1		8260	qh	1/30/2002 / 1/30/2002
1,2-Dichlorobenzene	< 21	ug/kg	21	66	1		8260	qh	1/30/2002 / 1/30/2002
1,2-Dichloroethane	< 21	ug/kg	21	67	1		8260	qh	1/30/2002 / 1/30/2002
1,2-Dichloropropane	< 20	ug/kg	20	62	1		8260	qh	1/30/2002 / 1/30/2002
1,3,5-Trimethylbenzene	< 21	ug/kg	21	67	1		8260	qh	1/30/2002 / 1/30/2002
1,3-Dichlorobenzene	< 16	ug/kg	16	50	1		8260	qh	1/30/2002 / 1/30/2002
1,3-Dichloropropane	< 24	ug/kg	24	76	1		8260	qh	1/30/2002 / 1/30/2002
1,4-Dichlorobenzene	< 22	ug/kg	22	69	1		8260	qh	1/30/2002 / 1/30/2002
2,2-Dichloropropane	< 17	ug/kg	17	53	1		8260	qh	1/30/2002 / 1/30/2002
2-Chlorotoluene	< 18	ug/kg	18	58	1		8260	qh	1/30/2002 / 1/30/2002
4-Chlorotoluene	< 16	ug/kg	16	51	1		8260	qh	1/30/2002 / 1/30/2002
Benzene	< 16	ug/kg	16	52	1		8260	qh	1/30/2002 / 1/30/2002
Bromobenzene	< 19	ug/kg	19	60	1		8260	qh	1/30/2002 / 1/30/2002
Bromodichloromethane	< 23	ug/kg	23	74	1		8260	qh	1/30/2002 / 1/30/2002
Carbon tetrachloride	< 16	ug/kg	16	52	1		8260	qh	1/30/2002 / 1/30/2002
Chlorobenzene	< 16	ug/kg	16	50	1		8260	qh	1/30/2002 / 1/30/2002
Chloroethane	< 39	ug/kg	39	123	1		8260	qh	1/30/2002 / 1/30/2002
Chloroform	< 15	ug/kg	15	47	1		8260	qh	1/30/2002 / 1/30/2002
Chloromethane	< 30	ug/kg	30	96	1		8260	qh	1/30/2002 / 1/30/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020059
DATE REPORTED: 12-Feb-02
DATE RECEIVED: 23-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA#212936,Q
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
cis-1,2-Dichloroethene	< 17	ug/kg	17	53	1		8260	qh	1/30/2002 / 1/30/2002
Dibromochloromethane	< 25	ug/kg	25	79	1		8260	qh	1/30/2002 / 1/30/2002
Dichlorodifluoromethane	< 16	ug/kg	16	52	1		8260	qh	1/30/2002 / 1/30/2002
Ethylbenzene	< 15	ug/kg	15	49	1		8260	qh	1/30/2002 / 1/30/2002
Hexachlorobutadiene	< 25	ug/kg	25	81	1		8260	qh	1/30/2002 / 1/30/2002
Isopropyl Ether	< 18	ug/kg	18	58	1		8260	qh	1/30/2002 / 1/30/2002
Isopropylbenzene	< 20	ug/kg	20	63	1		8260	qh	1/30/2002 / 1/30/2002
m&p-xylene	< 33	ug/kg	33	104	1		8260	qh	1/30/2002 / 1/30/2002
Methylene chloride	< 18	ug/kg	18	59	1		8260	qh	1/30/2002 / 1/30/2002
MTBE	< 24	ug/kg	24	76	1		8260	qh	1/30/2002 / 1/30/2002
n-Butylbenzene	< 22	ug/kg	22	69	1		8260	qh	1/30/2002 / 1/30/2002
n-Propylbenzene	< 17	ug/kg	17	55	1		8260	qh	1/30/2002 / 1/30/2002
Naphthalene	280	ug/kg	46	146	1		8260	qh	1/30/2002 / 1/30/2002
o-xylene	< 15	ug/kg	15	48	1		8260	qh	1/30/2002 / 1/30/2002
p-Isopropyltoluene	< 19	ug/kg	19	61	1		8260	qh	1/30/2002 / 1/30/2002
sec-Butylbenzene	< 21	ug/kg	21	65	1		8260	qh	1/30/2002 / 1/30/2002
tert-Butylbenzene	< 18	ug/kg	18	59	1		8260	qh	1/30/2002 / 1/30/2002
Tetrachloroethene	< 19	ug/kg	19	59	1		8260	qh	1/30/2002 / 1/30/2002
Toluene	< 18	ug/kg	18	56	1		8260	qh	1/30/2002 / 1/30/2002
trans-1,2-Dichloroethene	< 15	ug/kg	15	49	1		8260	qh	1/30/2002 / 1/30/2002
Trichloroethene	< 21	ug/kg	21	67	1		8260	qh	1/30/2002 / 1/30/2002
Trichlorofluoromethane	< 15	ug/kg	15	47	1		8260	qh	1/30/2002 / 1/30/2002
Vinyl chloride	< 13	ug/kg	13	41	1		8260	qh	1/30/2002 / 1/30/2002

Sample Number: 27303
Client ID: SB-3

QC Prep Batch Number: 999692
% Solid = 79.6 %

Collection: 1/21/2002 Time: 14:10
Sample Description: 2-4'

1,1,1-Trichloroethane	< 20	ug/kg	20	63	1		8260	qh	1/30/2002 / 1/30/2002
1,1,2,2-Tetrachloroethane	< 28	ug/kg	28	88	1		8260	qh	1/30/2002 / 1/30/2002
1,1,2-Trichloroethane	< 28	ug/kg	28	88	1		8260	qh	1/30/2002 / 1/30/2002
1,1-Dichloroethane	< 20	ug/kg	20	64	1		8260	qh	1/30/2002 / 1/30/2002
1,1-Dichloroethene	< 21	ug/kg	21	68	1		8260	qh	1/30/2002 / 1/30/2002
1,2,3-Trichlorobenzene	< 31	ug/kg	31	99	1		8260	qh	1/30/2002 / 1/30/2002
1,2,4-Trichlorobenzene	< 29	ug/kg	29	94	1		8260	qh	1/30/2002 / 1/30/2002
1,2,4-Trimethylbenzene	< 19	ug/kg	19	60	1		8260	qh	1/30/2002 / 1/30/2002
1,2-Dibromo-3-chloropropan	< 21	ug/kg	21	66	1		8260	qh	1/30/2002 / 1/30/2002
1,2-Dichlorobenzene	< 21	ug/kg	21	68	1		8260	qh	1/30/2002 / 1/30/2002
1,2-Dichloroethane	< 22	ug/kg	22	69	1		8260	qh	1/30/2002 / 1/30/2002
1,2-Dichloropropane	< 20	ug/kg	20	64	1		8260	qh	1/30/2002 / 1/30/2002
1,3,5-Trimethylbenzene	< 22	ug/kg	22	69	1		8260	qh	1/30/2002 / 1/30/2002
1,3-Dichlorobenzene	< 16	ug/kg	16	52	1		8260	qh	1/30/2002 / 1/30/2002
1,3-Dichloropropane	< 25	ug/kg	25	78	1		8260	qh	1/30/2002 / 1/30/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020059
DATE REPORTED: 12-Feb-02
DATE RECEIVED: 23-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA#212936,Q
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,4-Dichlorobenzene	< 22	ug/kg	22	71	1		8260	qh	1/30/2002 / 1/30/2002
2,2-Dichloropropane	< 17	ug/kg	17	55	1		8260	qh	1/30/2002 / 1/30/2002
2-Chlorotoluene	< 19	ug/kg	19	60	1		8260	qh	1/30/2002 / 1/30/2002
4-Chlorotoluene	< 17	ug/kg	17	53	1		8260	qh	1/30/2002 / 1/30/2002
Benzene	< 17	ug/kg	17	54	1		8260	qh	1/30/2002 / 1/30/2002
Bromobenzene	< 20	ug/kg	20	62	1		8260	qh	1/30/2002 / 1/30/2002
Bromodichloromethane	< 24	ug/kg	24	77	1		8260	qh	1/30/2002 / 1/30/2002
Carbon tetrachloride	< 17	ug/kg	17	54	1		8260	qh	1/30/2002 / 1/30/2002
Chlorobenzene	< 16	ug/kg	16	52	1		8260	qh	1/30/2002 / 1/30/2002
Chloroethane	< 40	ug/kg	40	127	1		8260	qh	1/30/2002 / 1/30/2002
Chloroform	< 15	ug/kg	15	48	1		8260	qh	1/30/2002 / 1/30/2002
Chloromethane	< 31	ug/kg	31	99	1		8260	qh	1/30/2002 / 1/30/2002
cis-1,2-Dichloroethene	< 17	ug/kg	17	54	1		8260	qh	1/30/2002 / 1/30/2002
Dibromochloromethane	< 26	ug/kg	26	81	1		8260	qh	1/30/2002 / 1/30/2002
Dichlorodifluoromethane	< 17	ug/kg	17	53	1		8260	qh	1/30/2002 / 1/30/2002
Ethylbenzene	< 16	ug/kg	16	51	1		8260	qh	1/30/2002 / 1/30/2002
Hexachlorobutadiene	< 26	ug/kg	26	84	1		8260	qh	1/30/2002 / 1/30/2002
Isopropyl Ether	< 19	ug/kg	19	59	1		8260	qh	1/30/2002 / 1/30/2002
Isopropylbenzene	< 21	ug/kg	21	65	1		8260	qh	1/30/2002 / 1/30/2002
m&p-xylene	< 34	ug/kg	34	107	1		8260	qh	1/30/2002 / 1/30/2002
Methylene chloride	< 19	ug/kg	19	61	1		8260	qh	1/30/2002 / 1/30/2002
MTBE	< 25	ug/kg	25	78	1		8260	qh	1/30/2002 / 1/30/2002
n-Butylbenzene	< 22	ug/kg	22	71	1		8260	qh	1/30/2002 / 1/30/2002
n-Propylbenzene	< 18	ug/kg	18	56	1		8260	qh	1/30/2002 / 1/30/2002
Naphthalene	283	ug/kg	47	151	1		8260	qh	1/30/2002 / 1/30/2002
o-xylene	< 16	ug/kg	16	50	1		8260	qh	1/30/2002 / 1/30/2002
p-Isopropyltoluene	< 20	ug/kg	20	63	1		8260	qh	1/30/2002 / 1/30/2002
sec-Butylbenzene	< 21	ug/kg	21	67	1		8260	qh	1/30/2002 / 1/30/2002
tert-Butylbenzene	< 19	ug/kg	19	60	1		8260	qh	1/30/2002 / 1/30/2002
Tetrachloroethene	< 19	ug/kg	19	61	1		8260	qh	1/30/2002 / 1/30/2002
Toluene	37	ug/kg	18	58	1	J	8260	qh	1/30/2002 / 1/30/2002
trans-1,2-Dichloroethene	< 16	ug/kg	16	51	1		8260	qh	1/30/2002 / 1/30/2002
Trichloroethene	< 22	ug/kg	22	69	1		8260	qh	1/30/2002 / 1/30/2002
Trichlorofluoromethane	< 15	ug/kg	15	48	1		8260	qh	1/30/2002 / 1/30/2002
Vinyl chloride	< 13	ug/kg	13	43	1		8260	qh	1/30/2002 / 1/30/2002

Sample Number: 27304
Client ID: SB-4

QC Prep Batch Number: 999692
% Solid = 79.3 %

Collection: 1/21/2002 Time: 14:51
Sample Description: 2-4'

1,1,1-Trichloroethane	< 20	ug/kg	20	63	1		8260	qh	1/30/2002 / 1/30/2002
1,1,2,2-Tetrachloroethane	< 28	ug/kg	28	88	1		8260	qh	1/30/2002 / 1/30/2002
1,1,2-Trichloroethane	< 28	ug/kg	28	88	1		8260	qh	1/30/2002 / 1/30/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020059
DATE REPORTED: 12-Feb-02
DATE RECEIVED: 23-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA#212936,Q
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1-Dichloroethane	< 20	ug/kg	20	64	1		8260	qh	1/30/2002 / 1/30/2002
1,1-Dichloroethene	< 22	ug/kg	22	69	1		8260	qh	1/30/2002 / 1/30/2002
1,2,3-Trichlorobenzene	< 31	ug/kg	31	100	1		8260	qh	1/30/2002 / 1/30/2002
1,2,4-Trichlorobenzene	< 30	ug/kg	30	94	1		8260	qh	1/30/2002 / 1/30/2002
1,2,4-Trimethylbenzene	< 19	ug/kg	19	60	1		8260	qh	1/30/2002 / 1/30/2002
1,2-Dibromo-3-chloropropan	< 21	ug/kg	21	66	1		8260	qh	1/30/2002 / 1/30/2002
1,2-Dichlorobenzene	< 21	ug/kg	21	68	1		8260	qh	1/30/2002 / 1/30/2002
1,2-Dichloroethane	< 22	ug/kg	22	70	1		8260	qh	1/30/2002 / 1/30/2002
1,2-Dichloropropane	< 20	ug/kg	20	65	1		8260	qh	1/30/2002 / 1/30/2002
1,3,5-Trimethylbenzene	< 22	ug/kg	22	69	1		8260	qh	1/30/2002 / 1/30/2002
1,3-Dichlorobenzene	< 16	ug/kg	16	52	1		8260	qh	1/30/2002 / 1/30/2002
1,3-Dichloropropane	< 25	ug/kg	25	78	1		8260	qh	1/30/2002 / 1/30/2002
1,4-Dichlorobenzene	< 22	ug/kg	22	71	1		8260	qh	1/30/2002 / 1/30/2002
2,2-Dichloropropane	< 17	ug/kg	17	55	1		8260	qh	1/30/2002 / 1/30/2002
2-Chlorotoluene	< 19	ug/kg	19	60	1		8260	qh	1/30/2002 / 1/30/2002
4-Chlorotoluene	< 17	ug/kg	17	53	1		8260	qh	1/30/2002 / 1/30/2002
Benzene	< 17	ug/kg	17	54	1		8260	qh	1/30/2002 / 1/30/2002
Bromobenzene	< 20	ug/kg	20	62	1		8260	qh	1/30/2002 / 1/30/2002
Bromodichloromethane	< 24	ug/kg	24	77	1		8260	qh	1/30/2002 / 1/30/2002
Carbon tetrachloride	< 17	ug/kg	17	54	1		8260	qh	1/30/2002 / 1/30/2002
Chlorobenzene	< 16	ug/kg	16	52	1		8260	qh	1/30/2002 / 1/30/2002
Chloroethane	< 40	ug/kg	40	128	1		8260	qh	1/30/2002 / 1/30/2002
Chloroform	< 15	ug/kg	15	49	1		8260	qh	1/30/2002 / 1/30/2002
Chloromethane	< 31	ug/kg	31	99	1		8260	qh	1/30/2002 / 1/30/2002
cis-1,2-Dichloroethene	< 17	ug/kg	17	54	1		8260	qh	1/30/2002 / 1/30/2002
Dibromochloromethane	< 26	ug/kg	26	82	1		8260	qh	1/30/2002 / 1/30/2002
Dichlorodifluoromethane	< 17	ug/kg	17	53	1		8260	qh	1/30/2002 / 1/30/2002
Ethylbenzene	< 16	ug/kg	16	51	1		8260	qh	1/30/2002 / 1/30/2002
Hexachlorobutadiene	< 26	ug/kg	26	84	1		8260	qh	1/30/2002 / 1/30/2002
Isopropyl Ether	< 19	ug/kg	19	60	1		8260	qh	1/30/2002 / 1/30/2002
Isopropylbenzene	< 21	ug/kg	21	66	1		8260	qh	1/30/2002 / 1/30/2002
m&p-xylene	< 34	ug/kg	34	107	1		8260	qh	1/30/2002 / 1/30/2002
Methylene chloride	< 19	ug/kg	19	61	1		8260	qh	1/30/2002 / 1/30/2002
MTBE	< 25	ug/kg	25	78	1		8260	qh	1/30/2002 / 1/30/2002
n-Butylbenzene	< 23	ug/kg	23	72	1		8260	qh	1/30/2002 / 1/30/2002
n-Propylbenzene	< 18	ug/kg	18	57	1		8260	qh	1/30/2002 / 1/30/2002
Naphthalene	< 48	ug/kg	48	151	1		8260	qh	1/30/2002 / 1/30/2002
o-xylene	< 16	ug/kg	16	50	1		8260	qh	1/30/2002 / 1/30/2002
p-Isopropyltoluene	< 20	ug/kg	20	63	1		8260	qh	1/30/2002 / 1/30/2002
sec-Butylbenzene	< 21	ug/kg	21	68	1		8260	qh	1/30/2002 / 1/30/2002
tert-Butylbenzene	< 19	ug/kg	19	61	1		8260	qh	1/30/2002 / 1/30/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020059
DATE REPORTED: 12-Feb-02
DATE RECEIVED: 23-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA#212936,Q
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Tetrachloroethene	< 19	ug/kg	19	61	1		8260	qh	1/30/2002 / 1/30/2002
Toluene	< 18	ug/kg	18	58	1		8260	qh	1/30/2002 / 1/30/2002
trans-1,2-Dichloroethene	< 16	ug/kg	16	51	1		8260	qh	1/30/2002 / 1/30/2002
Trichloroethene	< 22	ug/kg	22	69	1		8260	qh	1/30/2002 / 1/30/2002
Trichlorofluoromethane	< 15	ug/kg	15	48	1		8260	qh	1/30/2002 / 1/30/2002
Vinyl chloride	< 13	ug/kg	13	43	1		8260	qh	1/30/2002 / 1/30/2002

Sample Number: 27305 — QC Prep Batch Number: 999692 — Collection: 1/21/2002 — Time: 15:56
Client ID: SB-5 — % Solid = 84.7 % — Sample Description: 4-6'

1,1,1-Trichloroethane	< 18	ug/kg	18	59	1		8260	qh	1/30/2002 / 1/30/2002
1,1,2,2-Tetrachloroethane	< 26	ug/kg	26	83	1		8260	qh	1/30/2002 / 1/30/2002
1,1,2-Trichloroethane	< 26	ug/kg	26	82	1		8260	qh	1/30/2002 / 1/30/2002
1,1-Dichloroethane	< 19	ug/kg	19	60	1		8260	qh	1/30/2002 / 1/30/2002
1,1-Dichloroethene	< 20	ug/kg	20	64	1		8260	qh	1/30/2002 / 1/30/2002
1,2,3-Trichlorobenzene	< 29	ug/kg	29	93	1		8260	qh	1/30/2002 / 1/30/2002
1,2,4-Trichlorobenzene	< 28	ug/kg	28	88	1		8260	qh	1/30/2002 / 1/30/2002
1,2,4-Trimethylbenzene	36	ug/kg	18	57	1	J	8260	qh	1/30/2002 / 1/30/2002
1,2-Dibromo-3-chloropropan	< 20	ug/kg	20	62	1		8260	qh	1/30/2002 / 1/30/2002
1,2-Dichlorobenzene	< 20	ug/kg	20	64	1		8260	qh	1/30/2002 / 1/30/2002
1,2-Dichloroethane	< 20	ug/kg	20	65	1		8260	qh	1/30/2002 / 1/30/2002
1,2-Dichloropropane	< 19	ug/kg	19	61	1		8260	qh	1/30/2002 / 1/30/2002
1,3,5-Trimethylbenzene	< 20	ug/kg	20	65	1		8260	qh	1/30/2002 / 1/30/2002
1,3-Dichlorobenzene	< 15	ug/kg	15	49	1		8260	qh	1/30/2002 / 1/30/2002
1,3-Dichloropropane	< 23	ug/kg	23	73	1		8260	qh	1/30/2002 / 1/30/2002
1,4-Dichlorobenzene	< 21	ug/kg	21	67	1		8260	qh	1/30/2002 / 1/30/2002
2,2-Dichloropropane	< 16	ug/kg	16	52	1		8260	qh	1/30/2002 / 1/30/2002
2-Chlorotoluene	< 18	ug/kg	18	56	1		8260	qh	1/30/2002 / 1/30/2002
4-Chlorotoluene	< 16	ug/kg	16	50	1		8260	qh	1/30/2002 / 1/30/2002
Benzene	< 16	ug/kg	16	51	1		8260	qh	1/30/2002 / 1/30/2002
Bromobenzene	< 18	ug/kg	18	58	1		8260	qh	1/30/2002 / 1/30/2002
Bromodichloromethane	< 23	ug/kg	23	72	1		8260	qh	1/30/2002 / 1/30/2002
Carbon tetrachloride	< 16	ug/kg	16	50	1		8260	qh	1/30/2002 / 1/30/2002
Chlorobenzene	< 15	ug/kg	15	49	1		8260	qh	1/30/2002 / 1/30/2002
Chloroethane	< 38	ug/kg	38	119	1		8260	qh	1/30/2002 / 1/30/2002
Chloroform	< 14	ug/kg	14	45	1		8260	qh	1/30/2002 / 1/30/2002
Chloromethane	< 29	ug/kg	29	93	1		8260	qh	1/30/2002 / 1/30/2002
cis-1,2-Dichloroethene	< 16	ug/kg	16	51	1		8260	qh	1/30/2002 / 1/30/2002
Dibromochloromethane	< 24	ug/kg	24	76	1		8260	qh	1/30/2002 / 1/30/2002
Dichlorodifluoromethane	< 16	ug/kg	16	50	1		8260	qh	1/30/2002 / 1/30/2002
Ethylbenzene	65	ug/kg	15	48	1		8260	qh	1/30/2002 / 1/30/2002
Hexachlorobutadiene	< 25	ug/kg	25	79	1		8260	qh	1/30/2002 / 1/30/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020059
DATE REPORTED: 12-Feb-02
DATE RECEIVED: 23-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA#212936,Q
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Isopropyl Ether	< 18	ug/kg	18	56	1		8260	qh	1/30/2002 / 1/30/2002
Isopropylbenzene	< 19	ug/kg	19	62	1		8260	qh	1/30/2002 / 1/30/2002
m&p-xylene	50	ug/kg	32	100	1	J	8260	qh	1/30/2002 / 1/30/2002
Methylene chloride	< 18	ug/kg	18	57	1		8260	qh	1/30/2002 / 1/30/2002
MTBE	< 23	ug/kg	23	73	1		8260	qh	1/30/2002 / 1/30/2002
n-Butylbenzene	< 21	ug/kg	21	67	1		8260	qh	1/30/2002 / 1/30/2002
n-Propylbenzene	< 17	ug/kg	17	53	1		8260	qh	1/30/2002 / 1/30/2002
Naphthalene	< 45	ug/kg	45	142	1		8260	qh	1/30/2002 / 1/30/2002
o-xylene	< 15	ug/kg	15	47	1		8260	qh	1/30/2002 / 1/30/2002
p-Isopropyltoluene	< 19	ug/kg	19	59	1		8260	qh	1/30/2002 / 1/30/2002
sec-Butylbenzene	< 20	ug/kg	20	63	1		8260	qh	1/30/2002 / 1/30/2002
tert-Butylbenzene	< 18	ug/kg	18	57	1		8260	qh	1/30/2002 / 1/30/2002
Tetrachloroethene	< 18	ug/kg	18	57	1		8260	qh	1/30/2002 / 1/30/2002
Toluene	99	ug/kg	17	55	1		8260	qh	1/30/2002 / 1/30/2002
trans-1,2-Dichloroethene	< 15	ug/kg	15	48	1		8260	qh	1/30/2002 / 1/30/2002
Trichloroethene	< 20	ug/kg	20	65	1		8260	qh	1/30/2002 / 1/30/2002
Trichlorofluoromethane	< 14	ug/kg	14	45	1		8260	qh	1/30/2002 / 1/30/2002
Vinyl chloride	< 13	ug/kg	13	40	1		8260	qh	1/30/2002 / 1/30/2002

Sample Number: 27306
Client ID: SB-6

QC Prep Batch Number: 999692
% Solid = 92.4 %

Collection: 1/21/2002 Time: 17:38
Sample Description: 18-20'

1,1,1-Trichloroethane	< 17	ug/kg	17	54	1		8260	qh	1/30/2002 / 1/30/2002
1,1,2,2-Tetrachloroethane	< 24	ug/kg	24	76	1		8260	qh	1/30/2002 / 1/30/2002
1,1,2-Trichloroethane	< 24	ug/kg	24	76	1		8260	qh	1/30/2002 / 1/30/2002
1,1-Dichloroethane	< 17	ug/kg	17	55	1		8260	qh	1/30/2002 / 1/30/2002
1,1-Dichloroethene	< 18	ug/kg	18	59	1		8260	qh	1/30/2002 / 1/30/2002
1,2,3-Trichlorobenzene	< 27	ug/kg	27	86	1		8260	qh	1/30/2002 / 1/30/2002
1,2,4-Trichlorobenzene	< 25	ug/kg	25	81	1		8260	qh	1/30/2002 / 1/30/2002
1,2,4-Trimethylbenzene	< 16	ug/kg	16	52	1		8260	qh	1/30/2002 / 1/30/2002
1,2-Dibromo-3-chloropropan	< 18	ug/kg	18	57	1		8260	qh	1/30/2002 / 1/30/2002
1,2-Dichlorobenzene	< 18	ug/kg	18	59	1		8260	qh	1/30/2002 / 1/30/2002
1,2-Dichloroethane	< 19	ug/kg	19	60	1		8260	qh	1/30/2002 / 1/30/2002
1,2-Dichloropropane	< 17	ug/kg	17	56	1		8260	qh	1/30/2002 / 1/30/2002
1,3,5-Trimethylbenzene	< 19	ug/kg	19	59	1		8260	qh	1/30/2002 / 1/30/2002
1,3-Dichlorobenzene	< 14	ug/kg	14	45	1		8260	qh	1/30/2002 / 1/30/2002
1,3-Dichloropropane	< 21	ug/kg	21	67	1		8260	qh	1/30/2002 / 1/30/2002
1,4-Dichlorobenzene	< 19	ug/kg	19	61	1		8260	qh	1/30/2002 / 1/30/2002
2,2-Dichloropropane	< 15	ug/kg	15	47	1		8260	qh	1/30/2002 / 1/30/2002
2-Chlorotoluene	< 16	ug/kg	16	51	1		8260	qh	1/30/2002 / 1/30/2002
4-Chlorotoluene	< 14	ug/kg	14	45	1		8260	qh	1/30/2002 / 1/30/2002
Benzene	< 15	ug/kg	15	46	1		8260	qh	1/30/2002 / 1/30/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020059**
DATE REPORTED: 12-Feb-02
DATE RECEIVED: 23-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA#212936,Q
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Bromobenzene	< 17	ug/kg	17	53	1		8260	qh	1/30/2002 / 1/30/2002
Bromodichloromethane	< 21	ug/kg	21	66	1		8260	qh	1/30/2002 / 1/30/2002
Carbon tetrachloride	< 15	ug/kg	15	46	1		8260	qh	1/30/2002 / 1/30/2002
Chlorobenzene	< 14	ug/kg	14	45	1		8260	qh	1/30/2002 / 1/30/2002
Chloroethane	< 34	ug/kg	34	109	1		8260	qh	1/30/2002 / 1/30/2002
Chloroform	< 13	ug/kg	13	42	1		8260	qh	1/30/2002 / 1/30/2002
Chloromethane	< 27	ug/kg	27	85	1		8260	qh	1/30/2002 / 1/30/2002
cis-1,2-Dichloroethene	< 15	ug/kg	15	47	1		8260	qh	1/30/2002 / 1/30/2002
Dibromochloromethane	< 22	ug/kg	22	70	1		8260	qh	1/30/2002 / 1/30/2002
Dichlorodifluoromethane	< 14	ug/kg	14	46	1		8260	qh	1/30/2002 / 1/30/2002
Ethylbenzene	< 14	ug/kg	14	44	1		8260	qh	1/30/2002 / 1/30/2002
Hexachlorobutadiene	< 23	ug/kg	23	72	1		8260	qh	1/30/2002 / 1/30/2002
Isopropyl Ether	< 16	ug/kg	16	51	1		8260	qh	1/30/2002 / 1/30/2002
Isopropylbenzene	< 18	ug/kg	18	56	1		8260	qh	1/30/2002 / 1/30/2002
m&p-xylene	< 29	ug/kg	29	92	1		8260	qh	1/30/2002 / 1/30/2002
Methylene chloride	< 16	ug/kg	16	52	1		8260	qh	1/30/2002 / 1/30/2002
MTBE	< 21	ug/kg	21	67	1		8260	qh	1/30/2002 / 1/30/2002
n-Butylbenzene	< 19	ug/kg	19	62	1		8260	qh	1/30/2002 / 1/30/2002
n-Propylbenzene	< 15	ug/kg	15	49	1		8260	qh	1/30/2002 / 1/30/2002
Naphthalene	< 41	ug/kg	41	130	1		8260	qh	1/30/2002 / 1/30/2002
o-xylene	< 14	ug/kg	14	43	1		8260	qh	1/30/2002 / 1/30/2002
p-Isopropyltoluene	< 17	ug/kg	17	54	1		8260	qh	1/30/2002 / 1/30/2002
sec-Butylbenzene	< 18	ug/kg	18	58	1		8260	qh	1/30/2002 / 1/30/2002
tert-Butylbenzene	< 16	ug/kg	16	52	1		8260	qh	1/30/2002 / 1/30/2002
Tetrachloroethene	< 17	ug/kg	17	53	1		8260	qh	1/30/2002 / 1/30/2002
Toluene	< 16	ug/kg	16	50	1		8260	qh	1/30/2002 / 1/30/2002
trans-1,2-Dichloroethene	< 14	ug/kg	14	44	1		8260	qh	1/30/2002 / 1/30/2002
Trichloroethene	< 19	ug/kg	19	59	1		8260	qh	1/30/2002 / 1/30/2002
Trichlorofluoromethane	< 13	ug/kg	13	41	1		8260	qh	1/30/2002 / 1/30/2002
Vinyl chloride	< 12	ug/kg	12	37	1		8260	qh	1/30/2002 / 1/30/2002

Sample Number: 27307
Client ID: SB-7

QC Prep Batch Number: 999692
% Solid = 91.4 %

Collection: 1/22/2002 Time: 08:24
Sample Description: 6-8'

1,1,1-Trichloroethane	< 17	ug/kg	17	54	1		8260	qh	1/30/2002 / 1/30/2002
1,1,2,2-Tetrachloroethane	< 24	ug/kg	24	76	1		8260	qh	1/30/2002 / 1/30/2002
1,1,2-Trichloroethane	< 24	ug/kg	24	76	1		8260	qh	1/30/2002 / 1/30/2002
1,1-Dichloroethane	< 18	ug/kg	18	56	1		8260	qh	1/30/2002 / 1/30/2002
1,1-Dichloroethene	< 19	ug/kg	19	59	1		8260	qh	1/30/2002 / 1/30/2002
1,2,3-Trichlorobenzene	< 27	ug/kg	27	87	1		8260	qh	1/30/2002 / 1/30/2002
1,2,4-Trichlorobenzene	< 26	ug/kg	26	81	1		8260	qh	1/30/2002 / 1/30/2002
1,2,4-Trimethylbenzene	< 16	ug/kg	16	52	1		8260	qh	1/30/2002 / 1/30/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020059
DATE REPORTED: 12-Feb-02
DATE RECEIVED: 23-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA#212936,Q
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,2-Dibromo-3-chloropropan	< 18	ug/kg	18	58	1		8260	qh	1/30/2002 / 1/30/2002
1,2-Dichlorobenzene	< 19	ug/kg	19	59	1		8260	qh	1/30/2002 / 1/30/2002
1,2-Dichloroethane	< 19	ug/kg	19	60	1		8260	qh	1/30/2002 / 1/30/2002
1,2-Dichloropropane	< 18	ug/kg	18	56	1		8260	qh	1/30/2002 / 1/30/2002
1,3,5-Trimethylbenzene	< 19	ug/kg	19	60	1		8260	qh	1/30/2002 / 1/30/2002
1,3-Dichlorobenzene	< 14	ug/kg	14	45	1		8260	qh	1/30/2002 / 1/30/2002
1,3-Dichloropropane	< 21	ug/kg	21	68	1		8260	qh	1/30/2002 / 1/30/2002
1,4-Dichlorobenzene	< 19	ug/kg	19	62	1		8260	qh	1/30/2002 / 1/30/2002
2,2-Dichloropropane	< 15	ug/kg	15	48	1		8260	qh	1/30/2002 / 1/30/2002
2-Chlorotoluene	< 16	ug/kg	16	52	1		8260	qh	1/30/2002 / 1/30/2002
4-Chlorotoluene	< 14	ug/kg	14	46	1		8260	qh	1/30/2002 / 1/30/2002
Benzene	< 15	ug/kg	15	47	1		8260	qh	1/30/2002 / 1/30/2002
Bromobenzene	< 17	ug/kg	17	54	1		8260	qh	1/30/2002 / 1/30/2002
Bromodichloromethane	< 21	ug/kg	21	67	1		8260	qh	1/30/2002 / 1/30/2002
Carbon tetrachloride	< 15	ug/kg	15	47	1		8260	qh	1/30/2002 / 1/30/2002
Chlorobenzene	< 14	ug/kg	14	45	1		8260	qh	1/30/2002 / 1/30/2002
Chloroethane	< 35	ug/kg	35	111	1		8260	qh	1/30/2002 / 1/30/2002
Chloroform	< 13	ug/kg	13	42	1		8260	qh	1/30/2002 / 1/30/2002
Chloromethane	< 27	ug/kg	27	86	1		8260	qh	1/30/2002 / 1/30/2002
cis-1,2-Dichloroethene	< 15	ug/kg	15	47	1		8260	qh	1/30/2002 / 1/30/2002
Dibromochloromethane	< 22	ug/kg	22	71	1		8260	qh	1/30/2002 / 1/30/2002
Dichlorodifluoromethane	< 15	ug/kg	15	46	1		8260	qh	1/30/2002 / 1/30/2002
Ethylbenzene	< 14	ug/kg	14	44	1		8260	qh	1/30/2002 / 1/30/2002
Hexachlorobutadiene	< 23	ug/kg	23	73	1		8260	qh	1/30/2002 / 1/30/2002
Isopropyl Ether	< 16	ug/kg	16	52	1		8260	qh	1/30/2002 / 1/30/2002
Isopropylbenzene	< 18	ug/kg	18	57	1		8260	qh	1/30/2002 / 1/30/2002
m&p-xylene	< 29	ug/kg	29	93	1		8260	qh	1/30/2002 / 1/30/2002
Methylene chloride	< 17	ug/kg	17	53	1		8260	qh	1/30/2002 / 1/30/2002
MTBE	< 21	ug/kg	21	68	1		8260	qh	1/30/2002 / 1/30/2002
n-Butylbenzene	< 20	ug/kg	20	62	1		8260	qh	1/30/2002 / 1/30/2002
n-Propylbenzene	< 15	ug/kg	15	49	1		8260	qh	1/30/2002 / 1/30/2002
Naphthalene	< 41	ug/kg	41	131	1		8260	qh	1/30/2002 / 1/30/2002
o-xylene	< 14	ug/kg	14	44	1		8260	qh	1/30/2002 / 1/30/2002
p-Isopropyltoluene	< 17	ug/kg	17	55	1		8260	qh	1/30/2002 / 1/30/2002
sec-Butylbenzene	< 18	ug/kg	18	59	1		8260	qh	1/30/2002 / 1/30/2002
tert-Butylbenzene	< 17	ug/kg	17	53	1		8260	qh	1/30/2002 / 1/30/2002
Tetrachloroethene	< 17	ug/kg	17	53	1		8260	qh	1/30/2002 / 1/30/2002
Toluene	< 16	ug/kg	16	51	1		8260	qh	1/30/2002 / 1/30/2002
trans-1,2-Dichloroethene	< 14	ug/kg	14	44	1		8260	qh	1/30/2002 / 1/30/2002
Trichloroethene	< 19	ug/kg	19	60	1		8260	qh	1/30/2002 / 1/30/2002
Trichlorofluoromethane	< 13	ug/kg	13	42	1		8260	qh	1/30/2002 / 1/30/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020059
DATE REPORTED: 12-Feb-02
DATE RECEIVED: 23-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA#212936,Q
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander, WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Vinyl chloride	< 12	ug/kg	12	37	1		8260	qh	1/30/2002 / 1/30/2002

Sample Number: 27308 — QC Prep Batch Number: 999692 — Collection: 1/22/2002 — Time: 09:52
Client ID: SB-8 — % Solid = 81.5 % — Sample Description: 6-8'

1,1,1-Trichloroethane	< 19	ug/kg	19	61	1		8260	qh	1/30/2002 / 1/30/2002
1,1,2,2-Tetrachloroethane	< 27	ug/kg	27	86	1		8260	qh	1/30/2002 / 1/30/2002
1,1,2-Trichloroethane	< 27	ug/kg	27	86	1		8260	qh	1/30/2002 / 1/30/2002
1,1-Dichloroethane	< 20	ug/kg	20	62	1		8260	qh	1/30/2002 / 1/30/2002
1,1-Dichloroethene	< 21	ug/kg	21	67	1		8260	qh	1/30/2002 / 1/30/2002
1,2,3-Trichlorobenzene	< 30	ug/kg	30	97	1		8260	qh	1/30/2002 / 1/30/2002
1,2,4-Trichlorobenzene	< 29	ug/kg	29	91	1		8260	qh	1/30/2002 / 1/30/2002
1,2,4-Trimethylbenzene	< 18	ug/kg	18	59	1		8260	qh	1/30/2002 / 1/30/2002
1,2-Dibromo-3-chloropropan	< 20	ug/kg	20	65	1		8260	qh	1/30/2002 / 1/30/2002
1,2-Dichlorobenzene	< 21	ug/kg	21	66	1		8260	qh	1/30/2002 / 1/30/2002
1,2-Dichloroethane	< 21	ug/kg	21	68	1		8260	qh	1/30/2002 / 1/30/2002
1,2-Dichloropropane	< 20	ug/kg	20	63	1		8260	qh	1/30/2002 / 1/30/2002
1,3,5-Trimethylbenzene	< 21	ug/kg	21	67	1		8260	qh	1/30/2002 / 1/30/2002
1,3-Dichlorobenzene	< 16	ug/kg	16	51	1		8260	qh	1/30/2002 / 1/30/2002
1,3-Dichloropropane	< 24	ug/kg	24	76	1		8260	qh	1/30/2002 / 1/30/2002
1,4-Dichlorobenzene	< 22	ug/kg	22	70	1		8260	qh	1/30/2002 / 1/30/2002
2,2-Dichloropropane	< 17	ug/kg	17	54	1		8260	qh	1/30/2002 / 1/30/2002
2-Chlorotoluene	< 18	ug/kg	18	58	1		8260	qh	1/30/2002 / 1/30/2002
4-Chlorotoluene	< 16	ug/kg	16	52	1		8260	qh	1/30/2002 / 1/30/2002
Benzene	< 17	ug/kg	17	53	1		8260	qh	1/30/2002 / 1/30/2002
Bromobenzene	< 19	ug/kg	19	61	1		8260	qh	1/30/2002 / 1/30/2002
Bromodichloromethane	< 23	ug/kg	23	75	1		8260	qh	1/30/2002 / 1/30/2002
Carbon tetrachloride	< 16	ug/kg	16	52	1		8260	qh	1/30/2002 / 1/30/2002
Chlorobenzene	< 16	ug/kg	16	51	1		8260	qh	1/30/2002 / 1/30/2002
Chloroethane	< 39	ug/kg	39	124	1		8260	qh	1/30/2002 / 1/30/2002
Chloroform	< 15	ug/kg	15	47	1		8260	qh	1/30/2002 / 1/30/2002
Chloromethane	< 30	ug/kg	30	96	1		8260	qh	1/30/2002 / 1/30/2002
cis-1,2-Dichloroethene	< 17	ug/kg	17	53	1		8260	qh	1/30/2002 / 1/30/2002
Dibromochloromethane	< 25	ug/kg	25	79	1		8260	qh	1/30/2002 / 1/30/2002
Dichlorodifluoromethane	< 16	ug/kg	16	52	1		8260	qh	1/30/2002 / 1/30/2002
Ethylbenzene	< 16	ug/kg	16	49	1		8260	qh	1/30/2002 / 1/30/2002
Hexachlorobutadiene	< 26	ug/kg	26	82	1		8260	qh	1/30/2002 / 1/30/2002
Isopropyl Ether	< 18	ug/kg	18	58	1		8260	qh	1/30/2002 / 1/30/2002
Isopropylbenzene	< 20	ug/kg	20	64	1		8260	qh	1/30/2002 / 1/30/2002
m&p-xylene	36	ug/kg	33	104	1	J	8260	qh	1/30/2002 / 1/30/2002
Methylene chloride	< 19	ug/kg	19	59	1		8260	qh	1/30/2002 / 1/30/2002
MTBE	< 24	ug/kg	24	76	1		8260	qh	1/30/2002 / 1/30/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020059**
DATE REPORTED: 12-Feb-02
DATE RECEIVED: 23-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA#212936,Q
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
n-Butylbenzene	< 22	ug/kg	22	70	1		8260	qh	1/30/2002 / 1/30/2002
n-Propylbenzene	< 17	ug/kg	17	55	1		8260	qh	1/30/2002 / 1/30/2002
Naphthalene	340	ug/kg	46	147	1		8260	qh	1/30/2002 / 1/30/2002
o-xylene	< 15	ug/kg	15	49	1		8260	qh	1/30/2002 / 1/30/2002
p-Isopropyltoluene	< 19	ug/kg	19	61	1		8260	qh	1/30/2002 / 1/30/2002
sec-Butylbenzene	< 21	ug/kg	21	66	1		8260	qh	1/30/2002 / 1/30/2002
tert-Butylbenzene	< 19	ug/kg	19	59	1		8260	qh	1/30/2002 / 1/30/2002
Tetrachloroethene	< 19	ug/kg	19	60	1		8260	qh	1/30/2002 / 1/30/2002
Toluene	64	ug/kg	18	57	1		8260	qh	1/30/2002 / 1/30/2002
trans-1,2-Dichloroethene	< 16	ug/kg	16	49	1		8260	qh	1/30/2002 / 1/30/2002
Trichloroethene	< 21	ug/kg	21	67	1		8260	qh	1/30/2002 / 1/30/2002
Trichlorofluoromethane	< 15	ug/kg	15	47	1		8260	qh	1/30/2002 / 1/30/2002
Vinyl chloride	< 13	ug/kg	13	42	1		8260	qh	1/30/2002 / 1/30/2002

Sample Number: 27309
Client ID: SB-9

QC Prep Batch Number: 999692
% Solid = 91.9 %

Collection: 1/22/2002 Time: 10:35
Sample Description: 4-6'

1,1,1-Trichloroethane	< 17	ug/kg	17	54	1		8260	qh	1/30/2002 / 1/30/2002
1,1,2,2-Tetrachloroethane	< 24	ug/kg	24	76	1		8260	qh	1/30/2002 / 1/30/2002
1,1,2-Trichloroethane	< 24	ug/kg	24	76	1		8260	qh	1/30/2002 / 1/30/2002
1,1-Dichloroethane	< 17	ug/kg	17	55	1		8260	qh	1/30/2002 / 1/30/2002
1,1-Dichloroethene	< 19	ug/kg	19	59	1		8260	qh	1/30/2002 / 1/30/2002
1,2,3-Trichlorobenzene	< 27	ug/kg	27	86	1		8260	qh	1/30/2002 / 1/30/2002
1,2,4-Trichlorobenzene	< 25	ug/kg	25	81	1		8260	qh	1/30/2002 / 1/30/2002
1,2,4-Trimethylbenzene	< 16	ug/kg	16	52	1		8260	qh	1/30/2002 / 1/30/2002
1,2-Dibromo-3-chloropropan	< 18	ug/kg	18	57	1		8260	qh	1/30/2002 / 1/30/2002
1,2-Dichlorobenzene	< 19	ug/kg	19	59	1		8260	qh	1/30/2002 / 1/30/2002
1,2-Dichloroethane	< 19	ug/kg	19	60	1		8260	qh	1/30/2002 / 1/30/2002
1,2-Dichloropropane	< 18	ug/kg	18	56	1		8260	qh	1/30/2002 / 1/30/2002
1,3,5-Trimethylbenzene	< 19	ug/kg	19	60	1		8260	qh	1/30/2002 / 1/30/2002
1,3-Dichlorobenzene	< 14	ug/kg	14	45	1		8260	qh	1/30/2002 / 1/30/2002
1,3-Dichloropropane	< 21	ug/kg	21	68	1		8260	qh	1/30/2002 / 1/30/2002
1,4-Dichlorobenzene	< 19	ug/kg	19	62	1		8260	qh	1/30/2002 / 1/30/2002
2,2-Dichloropropane	< 15	ug/kg	15	47	1		8260	qh	1/30/2002 / 1/30/2002
2-Chlorotoluene	< 16	ug/kg	16	52	1		8260	qh	1/30/2002 / 1/30/2002
4-Chlorotoluene	< 14	ug/kg	14	46	1		8260	qh	1/30/2002 / 1/30/2002
Benzene	< 15	ug/kg	15	47	1		8260	qh	1/30/2002 / 1/30/2002
Bromobenzene	< 17	ug/kg	17	54	1		8260	qh	1/30/2002 / 1/30/2002
Bromodichloromethane	< 21	ug/kg	21	66	1		8260	qh	1/30/2002 / 1/30/2002
Carbon tetrachloride	< 15	ug/kg	15	46	1		8260	qh	1/30/2002 / 1/30/2002
Chlorobenzene	< 14	ug/kg	14	45	1		8260	qh	1/30/2002 / 1/30/2002
Chloroethane	< 35	ug/kg	35	110	1		8260	qh	1/30/2002 / 1/30/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020059
DATE REPORTED: 12-Feb-02
DATE RECEIVED: 23-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA#212936,Q
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Chloroform	< 13	ug/kg	13	42	1		8260	qh	1/30/2002 / 1/30/2002
Chloromethane	< 27	ug/kg	27	85	1		8260	qh	1/30/2002 / 1/30/2002
cis-1,2-Dichloroethene	< 15	ug/kg	15	47	1		8260	qh	1/30/2002 / 1/30/2002
Dibromochloromethane	< 22	ug/kg	22	70	1		8260	qh	1/30/2002 / 1/30/2002
Dichlorodifluoromethane	< 14	ug/kg	14	46	1		8260	qh	1/30/2002 / 1/30/2002
Ethylbenzene	< 14	ug/kg	14	44	1		8260	qh	1/30/2002 / 1/30/2002
Hexachlorobutadiene	< 23	ug/kg	23	72	1		8260	qh	1/30/2002 / 1/30/2002
Isopropyl Ether	< 16	ug/kg	16	52	1		8260	qh	1/30/2002 / 1/30/2002
Isopropylbenzene	< 18	ug/kg	18	57	1		8260	qh	1/30/2002 / 1/30/2002
m&p-xylene	< 29	ug/kg	29	93	1		8260	qh	1/30/2002 / 1/30/2002
Methylene chloride	< 16	ug/kg	16	52	1		8260	qh	1/30/2002 / 1/30/2002
MTBE	< 21	ug/kg	21	68	1		8260	qh	1/30/2002 / 1/30/2002
n-Butylbenzene	< 19	ug/kg	19	62	1		8260	qh	1/30/2002 / 1/30/2002
n-Propylbenzene	< 15	ug/kg	15	49	1		8260	qh	1/30/2002 / 1/30/2002
Naphthalene	255	ug/kg	41	131	1		8260	qh	1/30/2002 / 1/30/2002
o-xylene	< 14	ug/kg	14	43	1		8260	qh	1/30/2002 / 1/30/2002
p-Isopropyltoluene	< 17	ug/kg	17	54	1		8260	qh	1/30/2002 / 1/30/2002
sec-Butylbenzene	< 18	ug/kg	18	58	1		8260	qh	1/30/2002 / 1/30/2002
tert-Butylbenzene	< 16	ug/kg	16	52	1		8260	qh	1/30/2002 / 1/30/2002
Tetrachloroethene	< 17	ug/kg	17	53	1		8260	qh	1/30/2002 / 1/30/2002
Toluene	< 16	ug/kg	16	50	1		8260	qh	1/30/2002 / 1/30/2002
trans-1,2-Dichloroethene	< 14	ug/kg	14	44	1		8260	qh	1/30/2002 / 1/30/2002
Trichloroethene	< 19	ug/kg	19	60	1		8260	qh	1/30/2002 / 1/30/2002
Trichlorofluoromethane	< 13	ug/kg	13	42	1		8260	qh	1/30/2002 / 1/30/2002
Vinyl chloride	< 12	ug/kg	12	37	1		8260	qh	1/30/2002 / 1/30/2002

Sample Number: 27310
Client ID: METH BLK

QC Prep Batch Number: 999692
% Solid = 100 %

Collection: 1/21/2002 Time: 14:49
Sample Description:

1,1,1-Trichloroethane	< 16	ug/kg	16	50	1		8260	qh	1/30/2002 / 1/30/2002
1,1,2,2-Tetrachloroethane	< 22	ug/kg	22	70	1		8260	qh	1/30/2002 / 1/30/2002
1,1,2-Trichloroethane	< 22	ug/kg	22	70	1		8260	qh	1/30/2002 / 1/30/2002
1,1-Dichloroethane	< 16	ug/kg	16	51	1		8260	qh	1/30/2002 / 1/30/2002
1,1-Dichloroethene	< 17	ug/kg	17	54	1		8260	qh	1/30/2002 / 1/30/2002
1,2,3-Trichlorobenzene	< 25	ug/kg	25	79	1		8260	qh	1/30/2002 / 1/30/2002
1,2,4-Trichlorobenzene	< 23	ug/kg	23	74	1		8260	qh	1/30/2002 / 1/30/2002
1,2,4-Trimethylbenzene	< 15	ug/kg	15	48	1		8260	qh	1/30/2002 / 1/30/2002
1,2-Dibromo-3-chloropropan	< 17	ug/kg	17	53	1		8260	qh	1/30/2002 / 1/30/2002
1,2-Dichlorobenzene	< 17	ug/kg	17	54	1		8260	qh	1/30/2002 / 1/30/2002
1,2-Dichloroethane	< 17	ug/kg	17	55	1		8260	qh	1/30/2002 / 1/30/2002
1,2-Dichloropropane	< 16	ug/kg	16	51	1		8260	qh	1/30/2002 / 1/30/2002
1,3,5-Trimethylbenzene	< 17	ug/kg	17	55	1		8260	qh	1/30/2002 / 1/30/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020059**
DATE REPORTED: 12-Feb-02
DATE RECEIVED: 23-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA#212936,Q
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,3-Dichlorobenzene	< 13	ug/kg	13	41	1		8260	qh	1/30/2002 / 1/30/2002
1,3-Dichloropropane	< 20	ug/kg	20	62	1		8260	qh	1/30/2002 / 1/30/2002
1,4-Dichlorobenzene	< 18	ug/kg	18	57	1		8260	qh	1/30/2002 / 1/30/2002
2,2-Dichloropropane	< 14	ug/kg	14	44	1		8260	qh	1/30/2002 / 1/30/2002
2-Chlorotoluene	< 15	ug/kg	15	47	1		8260	qh	1/30/2002 / 1/30/2002
4-Chlorotoluene	< 13	ug/kg	13	42	1		8260	qh	1/30/2002 / 1/30/2002
Benzene	< 13	ug/kg	13	43	1		8260	qh	1/30/2002 / 1/30/2002
Bromobenzene	< 16	ug/kg	16	49	1		8260	qh	1/30/2002 / 1/30/2002
Bromodichloromethane	< 19	ug/kg	19	61	1		8260	qh	1/30/2002 / 1/30/2002
Carbon tetrachloride	< 13	ug/kg	13	43	1		8260	qh	1/30/2002 / 1/30/2002
Chlorobenzene	< 13	ug/kg	13	41	1		8260	qh	1/30/2002 / 1/30/2002
Chloroethane	< 32	ug/kg	32	101	1		8260	qh	1/30/2002 / 1/30/2002
Chloroform	< 12	ug/kg	12	38	1		8260	qh	1/30/2002 / 1/30/2002
Chloromethane	< 25	ug/kg	25	78	1		8260	qh	1/30/2002 / 1/30/2002
cis-1,2-Dichloroethene	< 14	ug/kg	14	43	1		8260	qh	1/30/2002 / 1/30/2002
Dibromochloromethane	< 20	ug/kg	20	65	1		8260	qh	1/30/2002 / 1/30/2002
Dichlorodifluoromethane	< 13	ug/kg	13	42	1		8260	qh	1/30/2002 / 1/30/2002
Ethylbenzene	< 13	ug/kg	13	40	1		8260	qh	1/30/2002 / 1/30/2002
Hexachlorobutadiene	< 21	ug/kg	21	66	1		8260	qh	1/30/2002 / 1/30/2002
Isopropyl Ether	< 15	ug/kg	15	47	1		8260	qh	1/30/2002 / 1/30/2002
Isopropylbenzene	< 16	ug/kg	16	52	1		8260	qh	1/30/2002 / 1/30/2002
m&p-xylene	< 27	ug/kg	27	85	1		8260	qh	1/30/2002 / 1/30/2002
Methylene chloride	< 15	ug/kg	15	48	1		8260	qh	1/30/2002 / 1/30/2002
MTBE	< 20	ug/kg	20	62	1		8260	qh	1/30/2002 / 1/30/2002
n-Butylbenzene	< 18	ug/kg	18	57	1		8260	qh	1/30/2002 / 1/30/2002
n-Propylbenzene	< 14	ug/kg	14	45	1		8260	qh	1/30/2002 / 1/30/2002
Naphthalene	< 38	ug/kg	38	120	1		8260	qh	1/30/2002 / 1/30/2002
o-xylene	< 13	ug/kg	13	40	1		8260	qh	1/30/2002 / 1/30/2002
p-Isopropyltoluene	< 16	ug/kg	16	50	1		8260	qh	1/30/2002 / 1/30/2002
sec-Butylbenzene	< 17	ug/kg	17	54	1		8260	qh	1/30/2002 / 1/30/2002
tert-Butylbenzene	< 15	ug/kg	15	48	1		8260	qh	1/30/2002 / 1/30/2002
Tetrachloroethene	< 15	ug/kg	15	49	1		8260	qh	1/30/2002 / 1/30/2002
Toluene	< 15	ug/kg	15	46	1		8260	qh	1/30/2002 / 1/30/2002
trans-1,2-Dichloroethene	< 13	ug/kg	13	40	1		8260	qh	1/30/2002 / 1/30/2002
Trichloroethene	< 17	ug/kg	17	55	1		8260	qh	1/30/2002 / 1/30/2002
Trichlorofluoromethane	< 12	ug/kg	12	38	1		8260	qh	1/30/2002 / 1/30/2002
Vinyl chloride	< 11	ug/kg	11	34	1		8260	qh	1/30/2002 / 1/30/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20020059**
DATE REPORTED:	12-Feb-02
DATE RECEIVED:	23-Jan-02
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	MSA#212936,Q
PROJECT NAME:	Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal

Approved By: _____ **Date:** 2/12/02
James Chang, Ph.D. , Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range .
LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
RQ : Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20020059
DATE REPORTED: 12-Feb-02
DATE RECEIVED: 23-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA#212936,Q
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Sample Number: 27301	Matrix: Soil							Collection: 1/21/2002	Time: 12:52	
Client ID: SB-1								Sample Description: 4-6'		
Arsenic - ICAP	<2.84	mg/kg	DB	2.84	9.0	6010	ez	1/29/2002	999570	
Cadmium - ICAP	<0.47	mg/kg	DB	0.47	1.5	6010	ez	1/29/2002	999570	
Chromium, Total - ICAP	25	mg/kg	DB	0.54	1.7	6010	ez	1/29/2002	999570	
Copper- ICAP	12	mg/kg	DB	0.41	1.3	6010	ez	1/29/2002	999570	
Iron - ICAP	19900	mg/kg	DB	5.47	17	6010	ez	1/29/2002	999570	
Lead - ICAP	29	mg/kg	DB	3.31	11	6010	ez	1/29/2002	999570	
Nickel - ICAP	16	mg/kg	DB	0.74	2.4	6010	ez	1/29/2002	999570	
Zinc - ICAP	57	mg/kg	DB	0.95	3.0	6010	ez	1/29/2002	999570	
Solids, Total Percent	74	%	#			SM 2540	ez	1/25/2002		
Sample Number: 27302	Matrix: Soil							Collection: 1/21/2002	Time: 13:29	
Client ID: SB-2								Sample Description: 2-4'		
Arsenic - ICAP	<2.56	mg/kg	DB	2.56	8.1	6010	ez	1/29/2002	999570	
Cadmium - ICAP	<0.43	mg/kg	DB	0.43	1.4	6010	ez	1/29/2002	999570	
Chromium, Total - ICAP	16	mg/kg	DB	0.49	1.6	6010	ez	1/29/2002	999570	
Copper- ICAP	6.5	mg/kg	DB	0.37	1.2	6010	ez	1/29/2002	999570	
Iron - ICAP	13300	mg/kg	DB	4.93	16	6010	ez	1/29/2002	999570	
Lead - ICAP	16	mg/kg	DB	2.98	9.5	6010	ez	1/29/2002	999570	
Nickel - ICAP	11	mg/kg	DB	0.67	2.1	6010	ez	1/29/2002	999570	
Zinc - ICAP	36	mg/kg	DB	0.85	2.7	6010	ez	1/29/2002	999570	
Solids, Total Percent	82	%	#			SM 2540	ez	1/25/2002		
Sample Number: 27303	Matrix: Soil							Collection: 1/21/2002	Time: 14:10	
Client ID: SB-3								Sample Description: 2-4'		
Arsenic - ICAP	<2.64	mg/kg	DB	2.64	8.4	6010	ez	1/29/2002	999570	
Cadmium - ICAP	<0.44	mg/kg	DB	0.44	1.4	6010	ez	1/29/2002	999570	
Chromium, Total - ICAP	17	mg/kg	DB	0.5	1.6	6010	ez	1/29/2002	999570	
Copper- ICAP	7.1	mg/kg	DB	0.38	1.2	6010	ez	1/29/2002	999570	
Iron - ICAP	13600	mg/kg	DB	5.09	16	6010	ez	1/29/2002	999570	
Lead - ICAP	19	mg/kg	DB	3.08	9.8	6010	ez	1/29/2002	999570	
Nickel - ICAP	12	mg/kg	DB	0.69	2.2	6010	ez	1/29/2002	999570	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20020059**
DATE REPORTED: 12-Feb-02
DATE RECEIVED: 23-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA#212936,Q
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Zinc - ICAP	41	mg/kg	DB	0.88	2.8	6010	ez	1/29/2002	*999570*	
Solids, Total Percent	80	%	#			SM 2540	ez	1/25/2002		
Sample Number: 27304		Matrix: Soil						Collection: 1/21/2002		Time: 14:51
Client ID: **SB-4**								Sample Description: 2-4'		
Arsenic - ICAP	<2.65	mg/kg	DB	2.65	8.4	6010	ez	1/29/2002	*999570*	
Cadmium - ICAP	<0.44	mg/kg	DB	0.44	1.4	6010	ez	1/29/2002	*999570*	
Chromium, Total - ICAP	18	mg/kg	DB	0.5	1.6	6010	ez	1/29/2002	*999570*	
Copper- ICAP	9.2	mg/kg	DB	0.38	1.2	6010	ez	1/29/2002	*999570*	
Iron - ICAP	15200	mg/kg	DB	5.11	16	6010	ez	1/29/2002	*999570*	
Lead - ICAP	19	mg/kg	DB	3.09	9.8	6010	ez	1/29/2002	*999570*	
Nickel - ICAP	13	mg/kg	DB	0.69	2.2	6010	ez	1/29/2002	*999570*	
Zinc - ICAP	44	mg/kg	DB	0.88	2.8	6010	ez	1/29/2002	*999570*	
Solids, Total Percent	79	%	#			SM 2540	ez	1/25/2002		
Sample Number: 27305		Matrix: Soil						Collection: 1/21/2002		Time: 15:56
Client ID: **SB-5**								Sample Description: 4-6'		
Arsenic - ICAP	<2.48	mg/kg	DB	2.48	7.9	6010	ez	1/29/2002	*999570*	
Cadmium - ICAP	<0.41	mg/kg	DB	0.41	1.3	6010	ez	1/29/2002	*999570*	
Chromium, Total - ICAP	13	mg/kg	DB	0.47	1.5	6010	ez	1/29/2002	*999570*	
Copper- ICAP	9.2	mg/kg	DB	0.38	1.2	6010	ez	1/29/2002	*999570*	
Iron - ICAP	12300	mg/kg	DB	4.78	15	6010	ez	1/29/2002	*999570*	
Lead - ICAP	44	mg/kg	DB	2.89	9.2	6010	ez	1/29/2002	*999570*	
Nickel - ICAP	9.7	mg/kg	DB	0.65	2.1	6010	ez	1/29/2002	*999570*	
Zinc - ICAP	66	mg/kg	DB	0.83	2.6	6010	ez	1/29/2002	*999570*	
Solids, Total Percent	85	%	#			SM 2540	ez	1/25/2002		
Sample Number: 27306		Matrix: Soil						Collection: 1/21/2002		Time: 17:38
Client ID: **SB-6**								Sample Description: 18-20'		
Arsenic - ICAP	<2.27	mg/kg	DB	2.27	7.2	6010	ez	1/29/2002	*999570*	
Cadmium - ICAP	<0.38	mg/kg	DB	0.38	1.2	6010	ez	1/29/2002	*999570*	
Chromium, Total - ICAP	14	mg/kg	DB	0.43	1.4	6010	ez	1/29/2002	*999570*	
Copper- ICAP	4.6	mg/kg	DB	0.32	1.0	6010	ez	1/29/2002	*999570*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20020059
DATE REPORTED: 12-Feb-02
DATE RECEIVED: 23-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA#212936,Q
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Iron - ICAP	**14800**	**mg/kg**	**DB**	4.38	14	6010	ez	1/29/2002	*999570*	
Lead - ICAP	**6.9**	**mg/kg**	***J*** **DB**	2.65	8.4	6010	ez	1/29/2002	*999570*	
Nickel - ICAP	**12**	**mg/kg**	**DB**	0.6	1.9	6010	ez	1/29/2002	*999570*	
Zinc - ICAP	**25**	**mg/kg**	**DB**	0.76	2.4	6010	ez	1/29/2002	*999570*	
Solids, Total Percent	**92**	**%**	**#**			SM 2540	ez	1/25/2002		
Sample Number: 27307		Matrix: Soil						Collection: 1/22/2002		Time: 08:24
Client ID: **SB-7**								Sample Description: 6-8'		
Arsenic - ICAP	**<2.30**	**mg/kg**	**DB**	2.3	7.3	6010	ez	1/29/2002	*999570*	
Cadmium - ICAP	**<0.38**	**mg/kg**	**DB**	0.38	1.2	6010	ez	1/29/2002	*999570*	
Chromium, Total - ICAP	**13**	**mg/kg**	**DB**	0.44	1.4	6010	ez	1/29/2002	*999570*	
Copper- ICAP	**4.9**	**mg/kg**	**DB**	0.33	1.0	6010	ez	1/29/2002	*999570*	
Iron - ICAP	**13000**	**mg/kg**	**DB**	4.43	14	6010	ez	1/29/2002	*999570*	
Lead - ICAP	**4.6**	**mg/kg**	***J*** **DB**	2.68	8.5	6010	ez	1/29/2002	*999570*	
Nickel - ICAP	**11**	**mg/kg**	**DB**	0.6	1.9	6010	ez	1/29/2002	*999570*	
Zinc - ICAP	**23**	**mg/kg**	**DB**	0.77	2.4	6010	ez	1/29/2002	*999570*	
Solids, Total Percent	**91**	**%**	**#**			SM 2540	ez	1/25/2002		
Sample Number: 27308		Matrix: Soil						Collection: 1/22/2002		Time: 09:52
Client ID: **SB-8**								Sample Description: 6-8'		
Arsenic - ICAP	**<2.58**	**mg/kg**	**DB**	2.58	8.2	6010	ez	1/29/2002	*999570*	
Cadmium - ICAP	**<0.43**	**mg/kg**	**DB**	0.43	1.4	6010	ez	1/29/2002	*999570*	
Chromium, Total - ICAP	**12**	**mg/kg**	**DB**	0.49	1.6	6010	ez	1/29/2002	*999570*	
Copper- ICAP	**39**	**mg/kg**	**DB**	0.37	1.2	6010	ez	1/29/2002	*999570*	
Iron - ICAP	**19900**	**mg/kg**	**DB**	4.97	16	6010	ez	1/29/2002	*999570*	
Lead - ICAP	**18**	**mg/kg**	**DB**	3.01	9.6	6010	ez	1/29/2002	*999570*	
Nickel - ICAP	**13**	**mg/kg**	**DB**	0.67	2.1	6010	ez	1/29/2002	*999570*	
Zinc - ICAP	**54**	**mg/kg**	**DB**	0.86	2.7	6010	ez	1/29/2002	*999570*	
Solids, Total Percent	**82**	**%**	**#**			SM 2540	ez	1/25/2002		
Sample Number: 27309		Matrix: Soil						Collection: 1/22/2002		Time: 10:35
Client ID: **SB-9**								Sample Description: 4-6'		
Arsenic - ICAP	**<2.29**	**mg/kg**	**DB**	2.29	7.3	6010	ez	1/29/2002	*999570*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20020059
DATE REPORTED: 12-Feb-02
DATE RECEIVED: 23-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA#212936,Q
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Cadmium - ICAP	**<0.38**	**mg/kg**	**DB**	0.38	1.2	6010	ez	1/29/2002	*999570*	
Chromium, Total - ICAP	**16**	**mg/kg**	**DB**	0.44	1.4	6010	ez	1/29/2002	*999570*	
Copper- ICAP	**7.5**	**mg/kg**	**DB**	0.33	1.0	6010	ez	1/29/2002	*999570*	
Iron - ICAP	**15100**	**mg/kg**	**DB**	4.41	14	6010	ez	1/29/2002	*999570*	
Lead - ICAP	**6.4**	**mg/kg**	***J*** **DB**	2.67	8.5	6010	ez	1/29/2002	*999570*	
Nickel - ICAP	**13**	**mg/kg**	**DB**	0.6	1.9	6010	ez	1/29/2002	*999570*	
Zinc - ICAP	**26**	**mg/kg**	**DB**	0.76	2.4	6010	ez	1/29/2002	*999570*	
Solids, Total Percent	**92**	**%**	**#**			SM 2540	ez	1/25/2002		

Sample Number: 27310 Matrix: Soil
Client ID: **METH BLK**
Collection: 1/21/2002 Time: 14:49
Sample Description:

Solids, Total Percent	**100**	**%**	**#**			SM 2540				

Approved By: _____ **Date:** 2/12/02
James Chang, Ph.D. , Lab Director

DB *Results expressed as dry weight.*

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B *"J" = Results between LOD and LOQ* *"#" = no LOD or LOQ required.*
LOQ = 10 (S) x Dilution Facor, where "S" is the Standard Deviation from the MDL Study
LOD = 3.143 (S) x Dilution Facor, where "S" is the Standard Deviation from the MDL Study

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020059
DATE REPORTED: 11-Feb-02
DATE RECEIVED: 23-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA#212936,Q
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Sample Number: 27301
Client ID: SB-1

QC Prep Batch Number: 999686
% Solid = 74 %

Collection: 1/21/2002 Time: 12:52
Sample Description: 4-6'

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,2,4-Trichlorobenzene	< 77	ug/kg	77	244	4		8270	qh	2/2/2002 / 2/6/2002
1,2-Dichlorobenzene	< 121	ug/kg	121	384	4		8270	qh	2/2/2002 / 2/6/2002
1,3-Dichlorobenzene	< 121	ug/kg	121	385	4		8270	qh	2/2/2002 / 2/6/2002
1,4-Dichlorobenzene	< 122	ug/kg	122	387	4		8270	qh	2/2/2002 / 2/6/2002
1-Methylnaphthalene	< 82	ug/kg	82	260	4		8270	qh	2/2/2002 / 2/6/2002
2,4,5-Trichlorophenol	< 200	ug/kg	200	636	4		8270	qh	2/2/2002 / 2/6/2002
2,4,6-Trichlorophenol	< 176	ug/kg	176	561	4		8270	qh	2/2/2002 / 2/6/2002
2,4-Dichlorophenol	< 231	ug/kg	231	734	4		8270	qh	2/2/2002 / 2/6/2002
2,4-Dimethylphenol	< 207	ug/kg	207	659	4		8270	qh	2/2/2002 / 2/6/2002
2,4-Dinitrophenol	< 262	ug/kg	262	832	4		8270	qh	2/2/2002 / 2/6/2002
2,4-Dinitrotoluene	< 95	ug/kg	95	303	4		8270	qh	2/2/2002 / 2/6/2002
2,6-Dinitrotoluene	< 112	ug/kg	112	356	4		8270	qh	2/2/2002 / 2/6/2002
2-Chloronaphthalene	< 94	ug/kg	94	298	4		8270	qh	2/2/2002 / 2/6/2002
2-Chlorophenol	< 238	ug/kg	238	758	4		8270	qh	2/2/2002 / 2/6/2002
2-Methylnaphthalene	< 82	ug/kg	82	260	4		8270	qh	2/2/2002 / 2/6/2002
2-Methylphenol	< 240	ug/kg	240	764	4		8270	qh	2/2/2002 / 2/6/2002
2-Nitroaniline	< 123	ug/kg	123	392	4		8270	qh	2/2/2002 / 2/6/2002
2-Nitrophenol	< 231	ug/kg	231	734	4		8270	qh	2/2/2002 / 2/6/2002
3,3'-Dichlorobenzidine	< 118	ug/kg	118	375	4		8270	qh	2/2/2002 / 2/6/2002
3- + 4-Methylphenol	< 242	ug/kg	242	770	4		8270	qh	2/2/2002 / 2/6/2002
3-Nitroaniline	< 98	ug/kg	98	313	4		8270	qh	2/2/2002 / 2/6/2002
4,6-Dinitro-2-methylphenol	< 182	ug/kg	182	580	4		8270	qh	2/2/2002 / 2/6/2002
4-Bromophenyl phenyl ether	< 100	ug/kg	100	318	4		8270	qh	2/2/2002 / 2/6/2002
4-Chloro-3-methyl phenol	< 205	ug/kg	205	654	4		8270	qh	2/2/2002 / 2/6/2002
4-Chloroaniline	< 126	ug/kg	126	402	4		8270	qh	2/2/2002 / 2/6/2002
4-Chlorophenyl phenyl ether	< 101	ug/kg	101	320	4		8270	qh	2/2/2002 / 2/6/2002
4-Nitroaniline	< 124	ug/kg	124	394	4		8270	qh	2/2/2002 / 2/6/2002
4-Nitrophenol	< 266	ug/kg	266	848	4		8270	qh	2/2/2002 / 2/6/2002
Acenaphthene	< 97	ug/kg	97	310	4		8270	qh	2/2/2002 / 2/6/2002
Acenaphthylene	< 84	ug/kg	84	268	4		8270	qh	2/2/2002 / 2/6/2002
Anthracene	< 78	ug/kg	78	248	4		8270	qh	2/2/2002 / 2/6/2002
Benzo (a) anthracene	< 98	ug/kg	98	313	4		8270	qh	2/2/2002 / 2/6/2002
Benzo (a) pyrene	< 78	ug/kg	78	248	4		8270	qh	2/2/2002 / 2/6/2002
Benzo (b) fluoranthene	< 116	ug/kg	116	370	4		8270	qh	2/2/2002 / 2/6/2002
Benzo (g,h,i) perylene	< 104	ug/kg	104	330	4		8270	qh	2/2/2002 / 2/6/2002
Benzo (k) fluoranthene	< 102	ug/kg	102	325	4		8270	qh	2/2/2002 / 2/6/2002
Benzyl alcohol	< 116	ug/kg	116	368	4		8270	qh	2/2/2002 / 2/6/2002
Bis (2-chloroethoxy) methane	< 117	ug/kg	117	373	4		8270	qh	2/2/2002 / 2/6/2002
Bis (2-chloroethyl) ether	< 122	ug/kg	122	389	4		8270	qh	2/2/2002 / 2/6/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020059
DATE REPORTED: 11-Feb-02
DATE RECEIVED: 23-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA#212936,Q
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Bis (2-chloroisopropyl) ether	< 83	ug/kg	83	265	4		8270	qh	2/2/2002 / 2/6/2002
Bis (2-ethylhexyl) phthalate	< 117	ug/kg	117	373	4		8270	qh	2/2/2002 / 2/6/2002
Butyl benzyl phthalate	< 114	ug/kg	114	363	4		8270	qh	2/2/2002 / 2/6/2002
Chrysene	< 96	ug/kg	96	306	4		8270	qh	2/2/2002 / 2/6/2002
Di-n-butylphthalate	< 77	ug/kg	77	244	4		8270	qh	2/2/2002 / 2/6/2002
Di-n-octylphthalate	< 82	ug/kg	82	260	4		8270	qh	2/2/2002 / 2/6/2002
Dibenz (a,h) anthracene	< 72	ug/kg	72	229	4		8270	qh	2/2/2002 / 2/6/2002
Dibenzofuran	< 102	ug/kg	102	323	4		8270	qh	2/2/2002 / 2/6/2002
Diethylphthalate	< 108	ug/kg	108	342	4		8270	qh	2/2/2002 / 2/6/2002
Dimethylphthalate	< 95	ug/kg	95	303	4		8270	qh	2/2/2002 / 2/6/2002
Fluoranthene	368	ug/kg	79	251	4		8270	qh	2/2/2002 / 2/6/2002
Fluorene	< 111	ug/kg	111	353	4		8270	qh	2/2/2002 / 2/6/2002
Hexachlorobenzene	< 94	ug/kg	94	299	4		8270	qh	2/2/2002 / 2/6/2002
Hexachlorobutadiene	< 76	ug/kg	76	241	4		8270	qh	2/2/2002 / 2/6/2002
Hexachlorocyclopentadiene	< 109	ug/kg	109	346	4		8270	qh	2/2/2002 / 2/6/2002
Hexachloroethane	< 111	ug/kg	111	353	4		8270	qh	2/2/2002 / 2/6/2002
Indeno (1,2,3-cd) pyrene	< 144	ug/kg	144	459	4		8270	qh	2/2/2002 / 2/6/2002
Isophorone	< 89	ug/kg	89	284	4		8270	qh	2/2/2002 / 2/6/2002
N-Nitrosodi-n-propylamine	< 133	ug/kg	133	423	4		8270	qh	2/2/2002 / 2/6/2002
N-Nitrosodimethylamine	< 130	ug/kg	130	413	4		8270	qh	2/2/2002 / 2/6/2002
N-Nitrosodiphenylamine	< 85	ug/kg	85	272	4		8270	qh	2/2/2002 / 2/6/2002
Naphthalene	< 110	ug/kg	110	349	4		8270	qh	2/2/2002 / 2/6/2002
Nitrobenzene	< 96	ug/kg	96	306	4		8270	qh	2/2/2002 / 2/6/2002
Pentachlorophenol	< 181	ug/kg	181	574	4		8270	qh	2/2/2002 / 2/6/2002
Phenanthrene	< 96	ug/kg	96	306	4		8270	qh	2/2/2002 / 2/6/2002
Phenol	< 267	ug/kg	267	850	4		8270	qh	2/2/2002 / 2/6/2002
Pyrene	497	ug/kg	90	285	4		8270	qh	2/2/2002 / 2/6/2002

Sample Number: 27302
Client ID: SB-2

QC Prep Batch Number: 999686
% Solid = 82.1 %

Collection: 1/21/2002 Time: 13:29
Sample Description: 2-4'

1,2,4-Trichlorobenzene	< 69	ug/kg	69	220	4		8270	gl	2/2/2002 / 2/6/2002
1,2-Dichlorobenzene	< 109	ug/kg	109	346	4		8270	gl	2/2/2002 / 2/6/2002
1,3-Dichlorobenzene	< 109	ug/kg	109	347	4		8270	gl	2/2/2002 / 2/6/2002
1,4-Dichlorobenzene	< 110	ug/kg	110	349	4		8270	gl	2/2/2002 / 2/6/2002
1-Methylnaphthalene	< 74	ug/kg	74	234	4		8270	gl	2/2/2002 / 2/6/2002
2,4,5-Trichlorophenol	< 180	ug/kg	180	574	4		8270	gl	2/2/2002 / 2/6/2002
2,4,6-Trichlorophenol	< 159	ug/kg	159	505	4		8270	gl	2/2/2002 / 2/6/2002
2,4-Dichlorophenol	< 208	ug/kg	208	662	4		8270	gl	2/2/2002 / 2/6/2002
2,4-Dimethylphenol	< 187	ug/kg	187	594	4		8270	gl	2/2/2002 / 2/6/2002
2,4-Dinitrophenol	< 236	ug/kg	236	750	4		8270	gl	2/2/2002 / 2/6/2002
2,4-Dinitrotoluene	< 86	ug/kg	86	273	4		8270	gl	2/2/2002 / 2/6/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020059
DATE REPORTED: 11-Feb-02
DATE RECEIVED: 23-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA#212936,Q
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
2,6-Dinitrotoluene	< 101	ug/kg	101	321	4		8270	gl	2/2/2002 / 2/6/2002
2-Chloronaphthalene	< 84	ug/kg	84	268	4		8270	gl	2/2/2002 / 2/6/2002
2-Chlorophenol	< 215	ug/kg	215	684	4		8270	gl	2/2/2002 / 2/6/2002
2-Methylnaphthalene	< 74	ug/kg	74	234	4		8270	gl	2/2/2002 / 2/6/2002
2-Methylphenol	< 216	ug/kg	216	688	4		8270	gl	2/2/2002 / 2/6/2002
2-Nitroaniline	< 111	ug/kg	111	353	4		8270	gl	2/2/2002 / 2/6/2002
2-Nitrophenol	< 208	ug/kg	208	662	4		8270	gl	2/2/2002 / 2/6/2002
3,3'-Dichlorobenzidine	< 106	ug/kg	106	338	4		8270	gl	2/2/2002 / 2/6/2002
3- + 4-Methylphenol	< 218	ug/kg	218	694	4		8270	gl	2/2/2002 / 2/6/2002
3-Nitroaniline	< 89	ug/kg	89	282	4		8270	gl	2/2/2002 / 2/6/2002
4,6-Dinitro-2-methylphenol	< 164	ug/kg	164	522	4		8270	gl	2/2/2002 / 2/6/2002
4-Bromophenyl phenyl ether	< 90	ug/kg	90	287	4		8270	gl	2/2/2002 / 2/6/2002
4-Chloro-3-methyl phenol	< 185	ug/kg	185	589	4		8270	gl	2/2/2002 / 2/6/2002
4-Chloroaniline	< 114	ug/kg	114	363	4		8270	gl	2/2/2002 / 2/6/2002
4-Chlorophenyl phenyl ether	< 91	ug/kg	91	288	4		8270	gl	2/2/2002 / 2/6/2002
4-Nitroaniline	< 112	ug/kg	112	355	4		8270	gl	2/2/2002 / 2/6/2002
4-Nitrophenol	< 240	ug/kg	240	764	4		8270	gl	2/2/2002 / 2/6/2002
Acenaphthene	< 88	ug/kg	88	279	4		8270	gl	2/2/2002 / 2/6/2002
Acenaphthylene	< 76	ug/kg	76	242	4		8270	gl	2/2/2002 / 2/6/2002
Anthracene	< 70	ug/kg	70	223	4		8270	gl	2/2/2002 / 2/6/2002
Benzo (a) anthracene	< 89	ug/kg	89	282	4		8270	gl	2/2/2002 / 2/6/2002
Benzo (a) pyrene	< 70	ug/kg	70	223	4		8270	gl	2/2/2002 / 2/6/2002
Benzo (b) fluoranthene	< 105	ug/kg	105	333	4		8270	gl	2/2/2002 / 2/6/2002
Benzo (g,h,i) perylene	< 94	ug/kg	94	298	4		8270	gl	2/2/2002 / 2/6/2002
Benzo (k) fluoranthene	< 92	ug/kg	92	293	4		8270	gl	2/2/2002 / 2/6/2002
Benzyl alcohol	< 104	ug/kg	104	332	4		8270	gl	2/2/2002 / 2/6/2002
Bis (2-chloroethoxy) methane	< 106	ug/kg	106	336	4		8270	gl	2/2/2002 / 2/6/2002
Bis (2-chloroethyl) ether	< 110	ug/kg	110	350	4		8270	gl	2/2/2002 / 2/6/2002
Bis (2-chloroisopropyl) ether	< 75	ug/kg	75	239	4		8270	gl	2/2/2002 / 2/6/2002
Bis (2-ethylhexyl) phthalate	< 106	ug/kg	106	336	4		8270	gl	2/2/2002 / 2/6/2002
Butyl benzyl phthalate	< 103	ug/kg	103	327	4		8270	gl	2/2/2002 / 2/6/2002
Chrysene	< 87	ug/kg	87	276	4		8270	gl	2/2/2002 / 2/6/2002
Di-n-butylphthalate	< 69	ug/kg	69	220	4		8270	gl	2/2/2002 / 2/6/2002
Di-n-octylphthalate	< 74	ug/kg	74	234	4		8270	gl	2/2/2002 / 2/6/2002
Dibenz (a,h) anthracene	< 65	ug/kg	65	206	4		8270	gl	2/2/2002 / 2/6/2002
Dibenzofuran	< 92	ug/kg	92	291	4		8270	gl	2/2/2002 / 2/6/2002
Diethylphthalate	< 97	ug/kg	97	308	4		8270	gl	2/2/2002 / 2/6/2002
Dimethylphthalate	< 86	ug/kg	86	273	4		8270	gl	2/2/2002 / 2/6/2002
Fluoranthene	< 71	ug/kg	71	226	4		8270	gl	2/2/2002 / 2/6/2002
Fluorene	< 100	ug/kg	100	318	4		8270	gl	2/2/2002 / 2/6/2002
Hexachlorobenzene	< 85	ug/kg	85	270	4		8270	gl	2/2/2002 / 2/6/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020059
DATE REPORTED: 11-Feb-02
DATE RECEIVED: 23-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA#212936,Q
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Hexachlorobutadiene	< 68	ug/kg	68	217	4		8270	gl	2/2/2002 / 2/6/2002
Hexachlorocyclopentadiene	< 98	ug/kg	98	312	4		8270	gl	2/2/2002 / 2/6/2002
Hexachloroethane	< 100	ug/kg	100	318	4		8270	gl	2/2/2002 / 2/6/2002
Indeno (1,2,3-cd) pyrene	< 130	ug/kg	130	414	4		8270	gl	2/2/2002 / 2/6/2002
Isophorone	< 80	ug/kg	80	256	4		8270	gl	2/2/2002 / 2/6/2002
N-Nitrosodi-n-propylamine	< 120	ug/kg	120	381	4		8270	gl	2/2/2002 / 2/6/2002
N-Nitrosodimethylamine	< 117	ug/kg	117	372	4		8270	gl	2/2/2002 / 2/6/2002
N-Nitrosodiphenylamine	< 77	ug/kg	77	245	4		8270	gl	2/2/2002 / 2/6/2002
Naphthalene	< 99	ug/kg	99	315	4		8270	gl	2/2/2002 / 2/6/2002
Nitrobenzene	< 87	ug/kg	87	276	4		8270	gl	2/2/2002 / 2/6/2002
Pentachlorophenol	< 163	ug/kg	163	518	4		8270	gl	2/2/2002 / 2/6/2002
Phenanthrene	< 87	ug/kg	87	276	4		8270	gl	2/2/2002 / 2/6/2002
Phenol	< 241	ug/kg	241	766	4		8270	gl	2/2/2002 / 2/6/2002
Pyrene	< 81	ug/kg	81	257	4		8270	gl	2/2/2002 / 2/6/2002

Sample Number: 27303
Client ID: SB-3

QC Prep Batch Number: 999686
% Solid = 79.6 %

Collection: 1/21/2002 Time: 14:10
Sample Description: 2-4'

1,2,4-Trichlorobenzene	< 71	ug/kg	71	227	4		8270	gl	2/2/2002 / 2/6/2002
1,2-Dichlorobenzene	< 112	ug/kg	112	357	4		8270	gl	2/2/2002 / 2/6/2002
1,3-Dichlorobenzene	< 113	ug/kg	113	358	4		8270	gl	2/2/2002 / 2/6/2002
1,4-Dichlorobenzene	< 113	ug/kg	113	360	4		8270	gl	2/2/2002 / 2/6/2002
1-Methylnaphthalene	< 76	ug/kg	76	241	4		8270	gl	2/2/2002 / 2/6/2002
2,4,5-Trichlorophenol	< 186	ug/kg	186	592	4		8270	gl	2/2/2002 / 2/6/2002
2,4,6-Trichlorophenol	< 164	ug/kg	164	521	4		8270	gl	2/2/2002 / 2/6/2002
2,4-Dichlorophenol	< 215	ug/kg	215	683	4		8270	gl	2/2/2002 / 2/6/2002
2,4-Dimethylphenol	< 192	ug/kg	192	612	4		8270	gl	2/2/2002 / 2/6/2002
2,4-Dinitrophenol	< 243	ug/kg	243	774	4		8270	gl	2/2/2002 / 2/6/2002
2,4-Dinitrotoluene	< 88	ug/kg	88	281	4		8270	gl	2/2/2002 / 2/6/2002
2,6-Dinitrotoluene	< 104	ug/kg	104	331	4		8270	gl	2/2/2002 / 2/6/2002
2-Chloronaphthalene	< 87	ug/kg	87	277	4		8270	gl	2/2/2002 / 2/6/2002
2-Chlorophenol	< 222	ug/kg	222	705	4		8270	gl	2/2/2002 / 2/6/2002
2-Methylnaphthalene	< 76	ug/kg	76	241	4		8270	gl	2/2/2002 / 2/6/2002
2-Methylphenol	< 223	ug/kg	223	710	4		8270	gl	2/2/2002 / 2/6/2002
2-Nitroaniline	< 115	ug/kg	115	365	4		8270	gl	2/2/2002 / 2/6/2002
2-Nitrophenol	< 215	ug/kg	215	683	4		8270	gl	2/2/2002 / 2/6/2002
3,3'-Dichlorobenzidine	< 110	ug/kg	110	349	4		8270	gl	2/2/2002 / 2/6/2002
3- + 4-Methylphenol	< 225	ug/kg	225	716	4		8270	gl	2/2/2002 / 2/6/2002
3-Nitroaniline	< 91	ug/kg	91	291	4		8270	gl	2/2/2002 / 2/6/2002
4,6-Dinitro-2-methylphenol	< 169	ug/kg	169	539	4		8270	gl	2/2/2002 / 2/6/2002
4-Bromophenyl phenyl ether	< 93	ug/kg	93	296	4		8270	gl	2/2/2002 / 2/6/2002
4-Chloro-3-methyl phenol	< 191	ug/kg	191	608	4		8270	gl	2/2/2002 / 2/6/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020059
DATE REPORTED: 11-Feb-02
DATE RECEIVED: 23-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA#212936,Q
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
4-Chloroaniline	< 118	ug/kg	118	374	4		8270	gl	2/2/2002 / 2/6/2002
4-Chlorophenyl phenyl ether	< 93	ug/kg	93	297	4		8270	gl	2/2/2002 / 2/6/2002
4-Nitroaniline	< 115	ug/kg	115	366	4		8270	gl	2/2/2002 / 2/6/2002
4-Nitrophenol	< 248	ug/kg	248	788	4		8270	gl	2/2/2002 / 2/6/2002
Acenaphthene	< 90	ug/kg	90	288	4		8270	gl	2/2/2002 / 2/6/2002
Acenaphthylene	< 78	ug/kg	78	249	4		8270	gl	2/2/2002 / 2/6/2002
Anthracene	< 72	ug/kg	72	230	4		8270	gl	2/2/2002 / 2/6/2002
Benzo (a) anthracene	< 91	ug/kg	91	291	4		8270	gl	2/2/2002 / 2/6/2002
Benzo (a) pyrene	< 72	ug/kg	72	230	4		8270	gl	2/2/2002 / 2/6/2002
Benzo (b) fluoranthene	< 108	ug/kg	108	344	4		8270	gl	2/2/2002 / 2/6/2002
Benzo (g,h,i) perylene	< 96	ug/kg	96	307	4		8270	gl	2/2/2002 / 2/6/2002
Benzo (k) fluoranthene	< 95	ug/kg	95	302	4		8270	gl	2/2/2002 / 2/6/2002
Benzyl alcohol	< 108	ug/kg	108	342	4		8270	gl	2/2/2002 / 2/6/2002
Bis (2-chloroethoxy) methane	< 109	ug/kg	109	347	4		8270	gl	2/2/2002 / 2/6/2002
Bis (2-chloroethyl) ether	< 114	ug/kg	114	361	4		8270	gl	2/2/2002 / 2/6/2002
Bis (2-chloroisopropyl) ether	< 77	ug/kg	77	246	4		8270	gl	2/2/2002 / 2/6/2002
Bis (2-ethylhexyl) phthalate	< 109	ug/kg	109	347	4		8270	gl	2/2/2002 / 2/6/2002
Butyl benzyl phthalate	< 106	ug/kg	106	337	4		8270	gl	2/2/2002 / 2/6/2002
Chrysene	< 89	ug/kg	89	285	4		8270	gl	2/2/2002 / 2/6/2002
Di-n-butylphthalate	< 71	ug/kg	71	227	4		8270	gl	2/2/2002 / 2/6/2002
Di-n-octylphthalate	< 76	ug/kg	76	241	4		8270	gl	2/2/2002 / 2/6/2002
Dibenz (a,h) anthracene	< 67	ug/kg	67	213	4		8270	gl	2/2/2002 / 2/6/2002
Dibenzofuran	< 94	ug/kg	94	301	4		8270	gl	2/2/2002 / 2/6/2002
Diethylphthalate	< 100	ug/kg	100	318	4		8270	gl	2/2/2002 / 2/6/2002
Dimethylphthalate	< 88	ug/kg	88	281	4		8270	gl	2/2/2002 / 2/6/2002
Fluoranthene	< 73	ug/kg	73	233	4		8270	gl	2/2/2002 / 2/6/2002
Fluorene	< 103	ug/kg	103	328	4		8270	gl	2/2/2002 / 2/6/2002
Hexachlorobenzene	< 87	ug/kg	87	278	4		8270	gl	2/2/2002 / 2/6/2002
Hexachlorobutadiene	< 70	ug/kg	70	224	4		8270	gl	2/2/2002 / 2/6/2002
Hexachlorocyclopentadiene	< 101	ug/kg	101	321	4		8270	gl	2/2/2002 / 2/6/2002
Hexachloroethane	< 103	ug/kg	103	328	4		8270	gl	2/2/2002 / 2/6/2002
Indeno (1,2,3-cd) pyrene	< 134	ug/kg	134	427	4		8270	gl	2/2/2002 / 2/6/2002
Isophorone	< 83	ug/kg	83	264	4		8270	gl	2/2/2002 / 2/6/2002
N-Nitrosodi-n-propylamine	< 124	ug/kg	124	393	4		8270	gl	2/2/2002 / 2/6/2002
N-Nitrosodimethylamine	< 121	ug/kg	121	384	4		8270	gl	2/2/2002 / 2/6/2002
N-Nitrosodiphenylamine	< 79	ug/kg	79	253	4		8270	gl	2/2/2002 / 2/6/2002
Naphthalene	< 102	ug/kg	102	325	4		8270	gl	2/2/2002 / 2/6/2002
Nitrobenzene	< 89	ug/kg	89	285	4		8270	gl	2/2/2002 / 2/6/2002
Pentachlorophenol	< 168	ug/kg	168	534	4		8270	gl	2/2/2002 / 2/6/2002
Phenanthrene	< 89	ug/kg	89	285	4		8270	gl	2/2/2002 / 2/6/2002
Phenol	< 248	ug/kg	248	790	4		8270	gl	2/2/2002 / 2/6/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020059**
DATE REPORTED: 11-Feb-02
DATE RECEIVED: 23-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA#212936,Q
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Pyrene	< 83	ug/kg	83	265	4		8270	gl	2/2/2002 / 2/6/2002

Sample Number: 27304 — QC Prep Batch Number: 999686 — Collection: 1/21/2002 — Time: 14:51
Client ID: SB-4 — % Solid = 79.3 % — Sample Description: 2-4'

1,2,4-Trichlorobenzene	< 72	ug/kg	72	228	4		8270	gl	2/2/2002 / 2/6/2002
1,2-Dichlorobenzene	< 112	ug/kg	112	358	4		8270	gl	2/2/2002 / 2/6/2002
1,3-Dichlorobenzene	< 113	ug/kg	113	359	4		8270	gl	2/2/2002 / 2/6/2002
1,4-Dichlorobenzene	< 113	ug/kg	113	361	4		8270	gl	2/2/2002 / 2/6/2002
1-Methylnaphthalene	< 76	ug/kg	76	242	4		8270	gl	2/2/2002 / 2/6/2002
2,4,5-Trichlorophenol	< 187	ug/kg	187	594	4		8270	gl	2/2/2002 / 2/6/2002
2,4,6-Trichlorophenol	< 164	ug/kg	164	523	4		8270	gl	2/2/2002 / 2/6/2002
2,4-Dichlorophenol	< 215	ug/kg	215	685	4		8270	gl	2/2/2002 / 2/6/2002
2,4-Dimethylphenol	< 193	ug/kg	193	615	4		8270	gl	2/2/2002 / 2/6/2002
2,4-Dinitrophenol	< 244	ug/kg	244	777	4		8270	gl	2/2/2002 / 2/6/2002
2,4-Dinitrotoluene	< 89	ug/kg	89	282	4		8270	gl	2/2/2002 / 2/6/2002
2,6-Dinitrotoluene	< 104	ug/kg	104	332	4		8270	gl	2/2/2002 / 2/6/2002
2-Chloronaphthalene	< 87	ug/kg	87	278	4		8270	gl	2/2/2002 / 2/6/2002
2-Chlorophenol	< 222	ug/kg	222	708	4		8270	gl	2/2/2002 / 2/6/2002
2-Methylnaphthalene	< 76	ug/kg	76	242	4		8270	gl	2/2/2002 / 2/6/2002
2-Methylphenol	< 224	ug/kg	224	713	4		8270	gl	2/2/2002 / 2/6/2002
2-Nitroaniline	< 115	ug/kg	115	366	4		8270	gl	2/2/2002 / 2/6/2002
2-Nitrophenol	< 215	ug/kg	215	685	4		8270	gl	2/2/2002 / 2/6/2002
3,3'-Dichlorobenzidine	< 110	ug/kg	110	350	4		8270	gl	2/2/2002 / 2/6/2002
3- + 4-Methylphenol	< 226	ug/kg	226	719	4		8270	gl	2/2/2002 / 2/6/2002
3-Nitroaniline	< 92	ug/kg	92	292	4		8270	gl	2/2/2002 / 2/6/2002
4,6-Dinitro-2-methylphenol	< 170	ug/kg	170	541	4		8270	gl	2/2/2002 / 2/6/2002
4-Bromophenyl phenyl ether	< 93	ug/kg	93	297	4		8270	gl	2/2/2002 / 2/6/2002
4-Chloro-3-methyl phenol	< 192	ug/kg	192	610	4		8270	gl	2/2/2002 / 2/6/2002
4-Chloroaniline	< 118	ug/kg	118	376	4		8270	gl	2/2/2002 / 2/6/2002
4-Chlorophenyl phenyl ether	< 94	ug/kg	94	299	4		8270	gl	2/2/2002 / 2/6/2002
4-Nitroaniline	< 116	ug/kg	116	368	4		8270	gl	2/2/2002 / 2/6/2002
4-Nitrophenol	< 249	ug/kg	249	791	4		8270	gl	2/2/2002 / 2/6/2002
Acenaphthene	< 91	ug/kg	91	289	4		8270	gl	2/2/2002 / 2/6/2002
Acenaphthylene	< 79	ug/kg	79	250	4		8270	gl	2/2/2002 / 2/6/2002
Anthracene	< 73	ug/kg	73	231	4		8270	gl	2/2/2002 / 2/6/2002
Benzo (a) anthracene	< 92	ug/kg	92	292	4		8270	gl	2/2/2002 / 2/6/2002
Benzo (a) pyrene	< 73	ug/kg	73	231	4		8270	gl	2/2/2002 / 2/6/2002
Benzo (b) fluoranthene	< 108	ug/kg	108	345	4		8270	gl	2/2/2002 / 2/6/2002
Benzo (g,h,i) perylene	< 97	ug/kg	97	308	4		8270	gl	2/2/2002 / 2/6/2002
Benzo (k) fluoranthene	< 95	ug/kg	95	303	4		8270	gl	2/2/2002 / 2/6/2002
Benzyl alcohol	< 108	ug/kg	108	343	4		8270	gl	2/2/2002 / 2/6/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020059**
DATE REPORTED: 11-Feb-02
DATE RECEIVED: 23-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA#212936,Q
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Bis (2-chloroethoxy) methane	< 109	ug/kg	109	348	4		8270	gl	2/2/2002 / 2/6/2002
Bis (2-chloroethyl) ether	< 114	ug/kg	114	363	4		8270	gl	2/2/2002 / 2/6/2002
Bis (2-chloroisopropyl) ether	< 78	ug/kg	78	247	4		8270	gl	2/2/2002 / 2/6/2002
Bis (2-ethylhexyl) phthalate	< 109	ug/kg	109	348	4		8270	gl	2/2/2002 / 2/6/2002
Butyl benzyl phthalate	< 106	ug/kg	106	339	4		8270	gl	2/2/2002 / 2/6/2002
Chrysene	< 90	ug/kg	90	286	4		8270	gl	2/2/2002 / 2/6/2002
Di-n-butylphthalate	< 72	ug/kg	72	228	4		8270	gl	2/2/2002 / 2/6/2002
Di-n-octylphthalate	< 76	ug/kg	76	242	4		8270	gl	2/2/2002 / 2/6/2002
Dibenz (a,h) anthracene	< 67	ug/kg	67	213	4		8270	gl	2/2/2002 / 2/6/2002
Dibenzofuran	< 95	ug/kg	95	302	4		8270	gl	2/2/2002 / 2/6/2002
Diethylphthalate	< 100	ug/kg	100	319	4		8270	gl	2/2/2002 / 2/6/2002
Dimethylphthalate	< 89	ug/kg	89	282	4		8270	gl	2/2/2002 / 2/6/2002
Fluoranthene	< 74	ug/kg	74	234	4		8270	gl	2/2/2002 / 2/6/2002
Fluorene	< 103	ug/kg	103	329	4		8270	gl	2/2/2002 / 2/6/2002
Hexachlorobenzene	< 88	ug/kg	88	279	4		8270	gl	2/2/2002 / 2/6/2002
Hexachlorobutadiene	< 71	ug/kg	71	225	4		8270	gl	2/2/2002 / 2/6/2002
Hexachlorocyclopentadiene	< 101	ug/kg	101	323	4		8270	gl	2/2/2002 / 2/6/2002
Hexachloroethane	< 103	ug/kg	103	329	4		8270	gl	2/2/2002 / 2/6/2002
Indeno (1,2,3-cd) pyrene	< 135	ug/kg	135	429	4		8270	gl	2/2/2002 / 2/6/2002
Isophorone	< 83	ug/kg	83	265	4		8270	gl	2/2/2002 / 2/6/2002
N-Nitrosodi-n-propylamine	< 124	ug/kg	124	395	4		8270	gl	2/2/2002 / 2/6/2002
N-Nitrosodimethylamine	< 121	ug/kg	121	385	4		8270	gl	2/2/2002 / 2/6/2002
N-Nitrosodiphenylamine	< 80	ug/kg	80	254	4		8270	gl	2/2/2002 / 2/6/2002
Naphthalene	< 102	ug/kg	102	326	4		8270	gl	2/2/2002 / 2/6/2002
Nitrobenzene	< 90	ug/kg	90	286	4		8270	gl	2/2/2002 / 2/6/2002
Pentachlorophenol	< 168	ug/kg	168	536	4		8270	gl	2/2/2002 / 2/6/2002
Phenanthrene	< 90	ug/kg	90	286	4		8270	gl	2/2/2002 / 2/6/2002
Phenol	< 249	ug/kg	249	793	4		8270	gl	2/2/2002 / 2/6/2002
Pyrene	< 84	ug/kg	84	266	4		8270	gl	2/2/2002 / 2/6/2002

Sample Number: 27305
Client ID: SB-5

QC Prep Batch Number: 999686
% Solid = 84.7 %

Collection: 1/21/2002 Time: 15:56
Sample Description: 4-6'

1,2,4-Trichlorobenzene	< 67	ug/kg	67	213	4		8270	gl	2/2/2002 / 2/6/2002
1,2-Dichlorobenzene	< 105	ug/kg	105	335	4		8270	gl	2/2/2002 / 2/6/2002
1,3-Dichlorobenzene	< 106	ug/kg	106	337	4		8270	gl	2/2/2002 / 2/6/2002
1,4-Dichlorobenzene	< 106	ug/kg	106	338	4		8270	gl	2/2/2002 / 2/6/2002
1-Methylnaphthalene	179	ug/kg	71	227	4	J	8270	gl	2/2/2002 / 2/6/2002
2,4,5-Trichlorophenol	< 175	ug/kg	175	556	4		8270	gl	2/2/2002 / 2/6/2002
2,4,6-Trichlorophenol	< 154	ug/kg	154	490	4		8270	gl	2/2/2002 / 2/6/2002
2,4-Dichlorophenol	< 202	ug/kg	202	642	4		8270	gl	2/2/2002 / 2/6/2002
2,4-Dimethylphenol	< 181	ug/kg	181	575	4		8270	gl	2/2/2002 / 2/6/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020059**
DATE REPORTED: 11-Feb-02
DATE RECEIVED: 23-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA#212936,Q
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
2,4-Dinitrophenol	< 229	ug/kg	229	727	4		8270	gl	2/2/2002 / 2/6/2002
2,4-Dinitrotoluene	< 83	ug/kg	83	264	4		8270	gl	2/2/2002 / 2/6/2002
2,6-Dinitrotoluene	< 98	ug/kg	98	311	4		8270	gl	2/2/2002 / 2/6/2002
2-Chloronaphthalene	< 82	ug/kg	82	260	4		8270	gl	2/2/2002 / 2/6/2002
2-Chlorophenol	< 208	ug/kg	208	663	4		8270	gl	2/2/2002 / 2/6/2002
2-Methylnaphthalene	186	ug/kg	71	227	4	J	8270	gl	2/2/2002 / 2/6/2002
2-Methylphenol	< 210	ug/kg	210	667	4		8270	gl	2/2/2002 / 2/6/2002
2-Nitroaniline	< 108	ug/kg	108	343	4		8270	gl	2/2/2002 / 2/6/2002
2-Nitrophenol	< 202	ug/kg	202	642	4		8270	gl	2/2/2002 / 2/6/2002
3,3'-Dichlorobenzidine	< 103	ug/kg	103	328	4		8270	gl	2/2/2002 / 2/6/2002
3- + 4-Methylphenol	< 212	ug/kg	212	673	4		8270	gl	2/2/2002 / 2/6/2002
3-Nitroaniline	< 86	ug/kg	86	273	4		8270	gl	2/2/2002 / 2/6/2002
4,6-Dinitro-2-methylphenol	< 159	ug/kg	159	506	4		8270	gl	2/2/2002 / 2/6/2002
4-Bromophenyl phenyl ether	< 87	ug/kg	87	278	4		8270	gl	2/2/2002 / 2/6/2002
4-Chloro-3-methyl phenol	< 179	ug/kg	179	571	4		8270	gl	2/2/2002 / 2/6/2002
4-Chloroaniline	< 111	ug/kg	111	352	4		8270	gl	2/2/2002 / 2/6/2002
4-Chlorophenyl phenyl ether	< 88	ug/kg	88	279	4		8270	gl	2/2/2002 / 2/6/2002
4-Nitroaniline	< 108	ug/kg	108	344	4		8270	gl	2/2/2002 / 2/6/2002
4-Nitrophenol	< 233	ug/kg	233	741	4		8270	gl	2/2/2002 / 2/6/2002
Acenaphthene	< 85	ug/kg	85	270	4		8270	gl	2/2/2002 / 2/6/2002
Acenaphthylene	< 74	ug/kg	74	234	4		8270	gl	2/2/2002 / 2/6/2002
Anthracene	< 68	ug/kg	68	216	4		8270	gl	2/2/2002 / 2/6/2002
Benzo (a) anthracene	< 86	ug/kg	86	273	4		8270	gl	2/2/2002 / 2/6/2002
Benzo (a) pyrene	< 68	ug/kg	68	216	4		8270	gl	2/2/2002 / 2/6/2002
Benzo (b) fluoranthene	< 102	ug/kg	102	323	4		8270	gl	2/2/2002 / 2/6/2002
Benzo (g,h,i) perylene	< 91	ug/kg	91	288	4		8270	gl	2/2/2002 / 2/6/2002
Benzo (k) fluoranthene	< 89	ug/kg	89	284	4		8270	gl	2/2/2002 / 2/6/2002
Benzyl alcohol	< 101	ug/kg	101	322	4		8270	gl	2/2/2002 / 2/6/2002
Bis (2-chloroethoxy) methane	< 102	ug/kg	102	326	4		8270	gl	2/2/2002 / 2/6/2002
Bis (2-chloroethyl) ether	< 107	ug/kg	107	340	4		8270	gl	2/2/2002 / 2/6/2002
Bis (2-chloroisopropyl) ether	< 73	ug/kg	73	231	4		8270	gl	2/2/2002 / 2/6/2002
Bis (2-ethylhexyl) phthalate	< 102	ug/kg	102	326	4		8270	gl	2/2/2002 / 2/6/2002
Butyl benzyl phthalate	< 100	ug/kg	100	317	4		8270	gl	2/2/2002 / 2/6/2002
Chrysene	< 84	ug/kg	84	267	4		8270	gl	2/2/2002 / 2/6/2002
Di-n-butylphthalate	< 67	ug/kg	67	213	4		8270	gl	2/2/2002 / 2/6/2002
Di-n-octylphthalate	< 71	ug/kg	71	227	4		8270	gl	2/2/2002 / 2/6/2002
Dibenz (a,h) anthracene	< 63	ug/kg	63	200	4		8270	gl	2/2/2002 / 2/6/2002
Dibenzofuran	< 89	ug/kg	89	282	4		8270	gl	2/2/2002 / 2/6/2002
Diethylphthalate	< 94	ug/kg	94	299	4		8270	gl	2/2/2002 / 2/6/2002
Dimethylphthalate	< 83	ug/kg	83	264	4		8270	gl	2/2/2002 / 2/6/2002
Fluoranthene	299	ug/kg	69	219	4		8270	gl	2/2/2002 / 2/6/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020059
DATE REPORTED: 11-Feb-02
DATE RECEIVED: 23-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA#212936,Q
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Fluorene	< 97	ug/kg	97	308	4		8270	gl	2/2/2002 / 2/6/2002
Hexachlorobenzene	< 82	ug/kg	82	261	4		8270	gl	2/2/2002 / 2/6/2002
Hexachlorobutadiene	< 66	ug/kg	66	210	4		8270	gl	2/2/2002 / 2/6/2002
Hexachlorocyclopentadiene	< 95	ug/kg	95	302	4		8270	gl	2/2/2002 / 2/6/2002
Hexachloroethane	< 97	ug/kg	97	308	4		8270	gl	2/2/2002 / 2/6/2002
Indeno (1,2,3-cd) pyrene	< 126	ug/kg	126	401	4		8270	gl	2/2/2002 / 2/6/2002
Isophorone	< 78	ug/kg	78	248	4		8270	gl	2/2/2002 / 2/6/2002
N-Nitrosodi-n-propylamine	< 116	ug/kg	116	370	4		8270	gl	2/2/2002 / 2/6/2002
N-Nitrosodimethylamine	< 113	ug/kg	113	361	4		8270	gl	2/2/2002 / 2/6/2002
N-Nitrosodiphenylamine	< 75	ug/kg	75	237	4		8270	gl	2/2/2002 / 2/6/2002
Naphthalene	< 96	ug/kg	96	305	4		8270	gl	2/2/2002 / 2/6/2002
Nitrobenzene	< 84	ug/kg	84	267	4		8270	gl	2/2/2002 / 2/6/2002
Pentachlorophenol	< 158	ug/kg	158	502	4		8270	gl	2/2/2002 / 2/6/2002
Phenanthrene	< 84	ug/kg	84	267	4		8270	gl	2/2/2002 / 2/6/2002
Phenol	< 233	ug/kg	233	742	4		8270	gl	2/2/2002 / 2/6/2002
Pyrene	370	ug/kg	78	249	4		8270	gl	2/2/2002 / 2/6/2002

Sample Number: 27306
Client ID: SB-6

QC Prep Batch Number: 999686
% Solid = 92.4 %

Collection: 1/21/2002 Time: 17:38
Sample Description: 18-20'

1,2,4-Trichlorobenzene	< 31	ug/kg	31	98	2		8270	qh	2/2/2002 / 2/6/2002
1,2-Dichlorobenzene	< 48	ug/kg	48	154	2		8270	qh	2/2/2002 / 2/6/2002
1,3-Dichlorobenzene	< 48	ug/kg	48	154	2		8270	qh	2/2/2002 / 2/6/2002
1,4-Dichlorobenzene	< 49	ug/kg	49	155	2		8270	qh	2/2/2002 / 2/6/2002
1-Methylnaphthalene	< 33	ug/kg	33	104	2		8270	qh	2/2/2002 / 2/6/2002
2,4,5-Trichlorophenol	< 80	ug/kg	80	255	2		8270	qh	2/2/2002 / 2/6/2002
2,4,6-Trichlorophenol	< 71	ug/kg	71	225	2		8270	qh	2/2/2002 / 2/6/2002
2,4-Dichlorophenol	< 92	ug/kg	92	294	2		8270	qh	2/2/2002 / 2/6/2002
2,4-Dimethylphenol	< 83	ug/kg	83	264	2		8270	qh	2/2/2002 / 2/6/2002
2,4-Dinitrophenol	< 105	ug/kg	105	333	2		8270	qh	2/2/2002 / 2/6/2002
2,4-Dinitrotoluene	< 38	ug/kg	38	121	2		8270	qh	2/2/2002 / 2/6/2002
2,6-Dinitrotoluene	< 45	ug/kg	45	143	2		8270	qh	2/2/2002 / 2/6/2002
2-Chloronaphthalene	< 37	ug/kg	37	119	2		8270	qh	2/2/2002 / 2/6/2002
2-Chlorophenol	< 95	ug/kg	95	304	2		8270	qh	2/2/2002 / 2/6/2002
2-Methylnaphthalene	< 33	ug/kg	33	104	2		8270	qh	2/2/2002 / 2/6/2002
2-Methylphenol	< 96	ug/kg	96	306	2		8270	qh	2/2/2002 / 2/6/2002
2-Nitroaniline	< 49	ug/kg	49	157	2		8270	qh	2/2/2002 / 2/6/2002
2-Nitrophenol	< 92	ug/kg	92	294	2		8270	qh	2/2/2002 / 2/6/2002
3,3'-Dichlorobenzidine	< 47	ug/kg	47	150	2		8270	qh	2/2/2002 / 2/6/2002
3- + 4-Methylphenol	< 97	ug/kg	97	309	2		8270	qh	2/2/2002 / 2/6/2002
3-Nitroaniline	< 39	ug/kg	39	125	2		8270	qh	2/2/2002 / 2/6/2002
4,6-Dinitro-2-methylphenol	< 73	ug/kg	73	232	2		8270	qh	2/2/2002 / 2/6/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020059
DATE REPORTED: 11-Feb-02
DATE RECEIVED: 23-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA#212936,Q
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
4-Bromophenyl phenyl ether	< 40	ug/kg	40	127	2		8270	qh	2/2/2002 / 2/6/2002
4-Chloro-3-methyl phenol	< 82	ug/kg	82	262	2		8270	qh	2/2/2002 / 2/6/2002
4-Chloroaniline	< 51	ug/kg	51	161	2		8270	qh	2/2/2002 / 2/6/2002
4-Chlorophenyl phenyl ether	< 40	ug/kg	40	128	2		8270	qh	2/2/2002 / 2/6/2002
4-Nitroaniline	< 50	ug/kg	50	158	2		8270	qh	2/2/2002 / 2/6/2002
4-Nitrophenol	< 107	ug/kg	107	340	2		8270	qh	2/2/2002 / 2/6/2002
Acenaphthene	< 39	ug/kg	39	124	2		8270	qh	2/2/2002 / 2/6/2002
Acenaphthylene	< 34	ug/kg	34	107	2		8270	qh	2/2/2002 / 2/6/2002
Anthracene	< 31	ug/kg	31	99	2		8270	qh	2/2/2002 / 2/6/2002
Benzo (a) anthracene	< 39	ug/kg	39	125	2		8270	qh	2/2/2002 / 2/6/2002
Benzo (a) pyrene	< 31	ug/kg	31	99	2		8270	qh	2/2/2002 / 2/6/2002
Benzo (b) fluoranthene	< 47	ug/kg	47	148	2		8270	qh	2/2/2002 / 2/6/2002
Benzo (g,h,i) perylene	< 42	ug/kg	42	132	2		8270	qh	2/2/2002 / 2/6/2002
Benzo (k) fluoranthene	< 41	ug/kg	41	130	2		8270	qh	2/2/2002 / 2/6/2002
Benzyl alcohol	< 46	ug/kg	46	147	2		8270	qh	2/2/2002 / 2/6/2002
Bis (2-chloroethoxy) methane	< 47	ug/kg	47	149	2		8270	qh	2/2/2002 / 2/6/2002
Bis (2-chloroethyl) ether	< 49	ug/kg	49	156	2		8270	qh	2/2/2002 / 2/6/2002
Bis (2-chloroisopropyl) ether	< 33	ug/kg	33	106	2		8270	qh	2/2/2002 / 2/6/2002
Bis (2-ethylhexyl) phthalate	< 47	ug/kg	47	149	2		8270	qh	2/2/2002 / 2/6/2002
Butyl benzyl phthalate	< 46	ug/kg	46	145	2		8270	qh	2/2/2002 / 2/6/2002
Chrysene	< 39	ug/kg	39	123	2		8270	qh	2/2/2002 / 2/6/2002
Di-n-butylphthalate	< 31	ug/kg	31	98	2		8270	qh	2/2/2002 / 2/6/2002
Di-n-octylphthalate	< 33	ug/kg	33	104	2		8270	qh	2/2/2002 / 2/6/2002
Dibenz (a,h) anthracene	< 29	ug/kg	29	92	2		8270	qh	2/2/2002 / 2/6/2002
Dibenzofuran	< 41	ug/kg	41	129	2		8270	qh	2/2/2002 / 2/6/2002
Diethylphthalate	< 43	ug/kg	43	137	2		8270	qh	2/2/2002 / 2/6/2002
Dimethylphthalate	< 38	ug/kg	38	121	2		8270	qh	2/2/2002 / 2/6/2002
Fluoranthene	< 32	ug/kg	32	101	2		8270	qh	2/2/2002 / 2/6/2002
Fluorene	< 44	ug/kg	44	141	2		8270	qh	2/2/2002 / 2/6/2002
Hexachlorobenzene	< 38	ug/kg	38	120	2		8270	qh	2/2/2002 / 2/6/2002
Hexachlorobutadiene	< 30	ug/kg	30	96	2		8270	qh	2/2/2002 / 2/6/2002
Hexachlorocyclopentadiene	< 44	ug/kg	44	138	2		8270	qh	2/2/2002 / 2/6/2002
Hexachloroethane	< 44	ug/kg	44	141	2		8270	qh	2/2/2002 / 2/6/2002
Indeno (1,2,3-cd) pyrene	< 58	ug/kg	58	184	2		8270	qh	2/2/2002 / 2/6/2002
Isophorone	< 36	ug/kg	36	114	2		8270	qh	2/2/2002 / 2/6/2002
N-Nitrosodi-n-propylamine	< 53	ug/kg	53	169	2		8270	qh	2/2/2002 / 2/6/2002
N-Nitrosodimethylamine	< 52	ug/kg	52	165	2		8270	qh	2/2/2002 / 2/6/2002
N-Nitrosodiphenylamine	< 34	ug/kg	34	109	2		8270	qh	2/2/2002 / 2/6/2002
Naphthalene	< 44	ug/kg	44	140	2		8270	qh	2/2/2002 / 2/6/2002
Nitrobenzene	< 39	ug/kg	39	123	2		8270	qh	2/2/2002 / 2/6/2002
Pentachlorophenol	< 72	ug/kg	72	230	2		8270	qh	2/2/2002 / 2/6/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020059
DATE REPORTED: 11-Feb-02
DATE RECEIVED: 23-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA#212936,Q
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Phenanthrene	< 39	ug/kg	39	123	2		8270	qh	2/2/2002 / 2/6/2002
Phenol	< 107	ug/kg	107	340	2		8270	qh	2/2/2002 / 2/6/2002
Pyrene	< 36	ug/kg	36	114	2		8270	qh	2/2/2002 / 2/6/2002

Sample Number: 27307 QC Prep Batch Number: 999686 Collection: 1/22/2002 Time: 08:24
Client ID: SB-7 % Solid = 91.4 % Sample Description: 6-8'

1,2,4-Trichlorobenzene	< 31	ug/kg	31	99	2		8270	qh	2/2/2002 / 2/6/2002
1,2-Dichlorobenzene	< 49	ug/kg	49	155	2		8270	qh	2/2/2002 / 2/6/2002
1,3-Dichlorobenzene	< 49	ug/kg	49	156	2		8270	qh	2/2/2002 / 2/6/2002
1,4-Dichlorobenzene	< 49	ug/kg	49	157	2		8270	qh	2/2/2002 / 2/6/2002
1-Methylnaphthalene	< 33	ug/kg	33	105	2		8270	qh	2/2/2002 / 2/6/2002
2,4,5-Trichlorophenol	< 81	ug/kg	81	258	2		8270	qh	2/2/2002 / 2/6/2002
2,4,6-Trichlorophenol	< 71	ug/kg	71	227	2		8270	qh	2/2/2002 / 2/6/2002
2,4-Dichlorophenol	< 93	ug/kg	93	297	2		8270	qh	2/2/2002 / 2/6/2002
2,4-Dimethylphenol	< 84	ug/kg	84	267	2		8270	qh	2/2/2002 / 2/6/2002
2,4-Dinitrophenol	< 106	ug/kg	106	337	2		8270	qh	2/2/2002 / 2/6/2002
2,4-Dinitrotoluene	< 39	ug/kg	39	123	2		8270	qh	2/2/2002 / 2/6/2002
2,6-Dinitrotoluene	< 45	ug/kg	45	144	2		8270	qh	2/2/2002 / 2/6/2002
2-Chloronaphthalene	< 38	ug/kg	38	120	2		8270	qh	2/2/2002 / 2/6/2002
2-Chlorophenol	< 96	ug/kg	96	307	2		8270	qh	2/2/2002 / 2/6/2002
2-Methylnaphthalene	< 33	ug/kg	33	105	2		8270	qh	2/2/2002 / 2/6/2002
2-Methylphenol	< 97	ug/kg	97	309	2		8270	qh	2/2/2002 / 2/6/2002
2-Nitroaniline	< 50	ug/kg	50	159	2		8270	qh	2/2/2002 / 2/6/2002
2-Nitrophenol	< 93	ug/kg	93	297	2		8270	qh	2/2/2002 / 2/6/2002
3,3'-Dichlorobenzidine	< 48	ug/kg	48	152	2		8270	qh	2/2/2002 / 2/6/2002
3- + 4-Methylphenol	< 98	ug/kg	98	312	2		8270	qh	2/2/2002 / 2/6/2002
3-Nitroaniline	< 40	ug/kg	40	127	2		8270	qh	2/2/2002 / 2/6/2002
4,6-Dinitro-2-methylphenol	< 74	ug/kg	74	235	2		8270	qh	2/2/2002 / 2/6/2002
4-Bromophenyl phenyl ether	< 40	ug/kg	40	129	2		8270	qh	2/2/2002 / 2/6/2002
4-Chloro-3-methyl phenol	< 83	ug/kg	83	265	2		8270	qh	2/2/2002 / 2/6/2002
4-Chloroaniline	< 51	ug/kg	51	163	2		8270	qh	2/2/2002 / 2/6/2002
4-Chlorophenyl phenyl ether	< 41	ug/kg	41	129	2		8270	qh	2/2/2002 / 2/6/2002
4-Nitroaniline	< 50	ug/kg	50	159	2		8270	qh	2/2/2002 / 2/6/2002
4-Nitrophenol	< 108	ug/kg	108	343	2		8270	qh	2/2/2002 / 2/6/2002
Acenaphthene	< 39	ug/kg	39	125	2		8270	qh	2/2/2002 / 2/6/2002
Acenaphthylene	< 34	ug/kg	34	109	2		8270	qh	2/2/2002 / 2/6/2002
Anthracene	< 32	ug/kg	32	100	2		8270	qh	2/2/2002 / 2/6/2002
Benzo (a) anthracene	583	ug/kg	40	127	2		8270	qh	2/2/2002 / 2/6/2002
Benzo (a) pyrene	449	ug/kg	32	100	2		8270	qh	2/2/2002 / 2/6/2002
Benzo (b) fluoranthene	< 47	ug/kg	47	150	2		8270	qh	2/2/2002 / 2/6/2002
Benzo (g,h,i) perylene	315	ug/kg	42	134	2		8270	qh	2/2/2002 / 2/6/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020059
DATE REPORTED: 11-Feb-02
DATE RECEIVED: 23-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA#212936,Q
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Benzo (k) fluoranthene	387	ug/kg	41	132	2		8270	qh	2/2/2002 / 2/6/2002
Benzyl alcohol	< 47	ug/kg	47	149	2		8270	qh	2/2/2002 / 2/6/2002
Bis (2-chloroethoxy) methane	< 47	ug/kg	47	151	2		8270	qh	2/2/2002 / 2/6/2002
Bis (2-chloroethyl) ether	< 49	ug/kg	49	157	2		8270	qh	2/2/2002 / 2/6/2002
Bis (2-chloroisopropyl) ether	< 34	ug/kg	34	107	2		8270	qh	2/2/2002 / 2/6/2002
Bis (2-ethylhexyl) phthalate	< 47	ug/kg	47	151	2		8270	qh	2/2/2002 / 2/6/2002
Butyl benzyl phthalate	< 46	ug/kg	46	147	2		8270	qh	2/2/2002 / 2/6/2002
Chrysene	606	ug/kg	39	124	2		8270	qh	2/2/2002 / 2/6/2002
Di-n-butylphthalate	< 31	ug/kg	31	99	2		8270	qh	2/2/2002 / 2/6/2002
Di-n-octylphthalate	< 33	ug/kg	33	105	2		8270	qh	2/2/2002 / 2/6/2002
Dibenz (a,h) anthracene	< 29	ug/kg	29	93	2		8270	qh	2/2/2002 / 2/6/2002
Dibenzofuran	< 41	ug/kg	41	131	2		8270	qh	2/2/2002 / 2/6/2002
Diethylphthalate	< 44	ug/kg	44	139	2		8270	qh	2/2/2002 / 2/6/2002
Dimethylphthalate	< 39	ug/kg	39	123	2		8270	qh	2/2/2002 / 2/6/2002
Fluoranthene	< 32	ug/kg	32	102	2		8270	qh	2/2/2002 / 2/6/2002
Fluorene	< 45	ug/kg	45	143	2		8270	qh	2/2/2002 / 2/6/2002
Hexachlorobenzene	< 38	ug/kg	38	121	2		8270	qh	2/2/2002 / 2/6/2002
Hexachlorobutadiene	< 31	ug/kg	31	97	2		8270	qh	2/2/2002 / 2/6/2002
Hexachlorocyclopentadiene	< 44	ug/kg	44	140	2		8270	qh	2/2/2002 / 2/6/2002
Hexachloroethane	< 45	ug/kg	45	143	2		8270	qh	2/2/2002 / 2/6/2002
Indeno (1,2,3-cd) pyrene	273	ug/kg	58	186	2		8270	qh	2/2/2002 / 2/6/2002
Isophorone	< 36	ug/kg	36	115	2		8270	qh	2/2/2002 / 2/6/2002
N-Nitrosodi-n-propylamine	< 54	ug/kg	54	171	2		8270	qh	2/2/2002 / 2/6/2002
N-Nitrosodimethylamine	< 53	ug/kg	53	167	2		8270	qh	2/2/2002 / 2/6/2002
N-Nitrosodiphenylamine	< 35	ug/kg	35	110	2		8270	qh	2/2/2002 / 2/6/2002
Naphthalene	< 44	ug/kg	44	141	2		8270	qh	2/2/2002 / 2/6/2002
Nitrobenzene	< 39	ug/kg	39	124	2		8270	qh	2/2/2002 / 2/6/2002
Pentachlorophenol	< 73	ug/kg	73	233	2		8270	qh	2/2/2002 / 2/6/2002
Phenanthrene	< 39	ug/kg	39	124	2		8270	qh	2/2/2002 / 2/6/2002
Phenol	< 108	ug/kg	108	344	2		8270	qh	2/2/2002 / 2/6/2002
Pyrene	< 36	ug/kg	36	116	2		8270	qh	2/2/2002 / 2/6/2002

Sample Number: 27308
Client ID: SB-8

QC Prep Batch Number: 999686
% Solid = 81.5 %

Collection: 1/22/2002 Time: 09:52
Sample Description: 6-8'

1,2,4-Trichlorobenzene	< 70	ug/kg	70	222	4		8270	gl	2/2/2002 / 2/6/2002
1,2-Dichlorobenzene	< 109	ug/kg	109	348	4		8270	gl	2/2/2002 / 2/6/2002
1,3-Dichlorobenzene	< 110	ug/kg	110	350	4		8270	gl	2/2/2002 / 2/6/2002
1,4-Dichlorobenzene	< 110	ug/kg	110	351	4		8270	gl	2/2/2002 / 2/6/2002
1-Methylnaphthalene	124	ug/kg	74	236	4	J	8270	gl	2/2/2002 / 2/6/2002
2,4,5-Trichlorophenol	< 182	ug/kg	182	578	4		8270	gl	2/2/2002 / 2/6/2002
2,4,6-Trichlorophenol	< 160	ug/kg	160	509	4		8270	gl	2/2/2002 / 2/6/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020059
DATE REPORTED: 11-Feb-02
DATE RECEIVED: 23-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA#212936,Q
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
2,4-Dichlorophenol	< 210	ug/kg	210	667	4		8270	gl	2/2/2002 / 2/6/2002
2,4-Dimethylphenol	< 188	ug/kg	188	598	4		8270	gl	2/2/2002 / 2/6/2002
2,4-Dinitrophenol	< 238	ug/kg	238	756	4		8270	gl	2/2/2002 / 2/6/2002
2,4-Dinitrotoluene	< 86	ug/kg	86	275	4		8270	gl	2/2/2002 / 2/6/2002
2,6-Dinitrotoluene	< 102	ug/kg	102	323	4		8270	gl	2/2/2002 / 2/6/2002
2-Chloronaphthalene	< 85	ug/kg	85	270	4		8270	gl	2/2/2002 / 2/6/2002
2-Chlorophenol	< 216	ug/kg	216	689	4		8270	gl	2/2/2002 / 2/6/2002
2-Methylnaphthalene	170	ug/kg	74	236	4	J	8270	gl	2/2/2002 / 2/6/2002
2-Methylphenol	< 218	ug/kg	218	693	4		8270	gl	2/2/2002 / 2/6/2002
2-Nitroaniline	< 112	ug/kg	112	356	4		8270	gl	2/2/2002 / 2/6/2002
2-Nitrophenol	< 210	ug/kg	210	667	4		8270	gl	2/2/2002 / 2/6/2002
3,3'-Dichlorobenzidine	< 107	ug/kg	107	340	4		8270	gl	2/2/2002 / 2/6/2002
3- + 4-Methylphenol	< 220	ug/kg	220	700	4		8270	gl	2/2/2002 / 2/6/2002
3-Nitroaniline	< 89	ug/kg	89	284	4		8270	gl	2/2/2002 / 2/6/2002
4,6-Dinitro-2-methylphenol	< 165	ug/kg	165	526	4		8270	gl	2/2/2002 / 2/6/2002
4-Bromophenyl phenyl ether	< 91	ug/kg	91	289	4		8270	gl	2/2/2002 / 2/6/2002
4-Chloro-3-methyl phenol	< 187	ug/kg	187	593	4		8270	gl	2/2/2002 / 2/6/2002
4-Chloroaniline	< 115	ug/kg	115	365	4		8270	gl	2/2/2002 / 2/6/2002
4-Chlorophenyl phenyl ether	< 91	ug/kg	91	290	4		8270	gl	2/2/2002 / 2/6/2002
4-Nitroaniline	< 112	ug/kg	112	358	4		8270	gl	2/2/2002 / 2/6/2002
4-Nitrophenol	< 242	ug/kg	242	770	4		8270	gl	2/2/2002 / 2/6/2002
Acenaphthene	< 88	ug/kg	88	281	4		8270	gl	2/2/2002 / 2/6/2002
Acenaphthylene	< 77	ug/kg	77	244	4		8270	gl	2/2/2002 / 2/6/2002
Anthracene	443	ug/kg	71	225	4		8270	gl	2/2/2002 / 2/6/2002
Benzo (a) anthracene	< 89	ug/kg	89	284	4		8270	gl	2/2/2002 / 2/6/2002
Benzo (a) pyrene	< 71	ug/kg	71	225	4		8270	gl	2/2/2002 / 2/6/2002
Benzo (b) fluoranthene	< 106	ug/kg	106	336	4		8270	gl	2/2/2002 / 2/6/2002
Benzo (g,h,i) perylene	< 94	ug/kg	94	300	4		8270	gl	2/2/2002 / 2/6/2002
Benzo (k) fluoranthene	< 93	ug/kg	93	295	4		8270	gl	2/2/2002 / 2/6/2002
Benzyl alcohol	< 105	ug/kg	105	334	4		8270	gl	2/2/2002 / 2/6/2002
Bis (2-chloroethoxy) methane	< 107	ug/kg	107	339	4		8270	gl	2/2/2002 / 2/6/2002
Bis (2-chloroethyl) ether	< 111	ug/kg	111	353	4		8270	gl	2/2/2002 / 2/6/2002
Bis (2-chloroisopropyl) ether	< 76	ug/kg	76	240	4		8270	gl	2/2/2002 / 2/6/2002
Bis (2-ethylhexyl) phthalate	< 107	ug/kg	107	339	4		8270	gl	2/2/2002 / 2/6/2002
Butyl benzyl phthalate	< 104	ug/kg	104	329	4		8270	gl	2/2/2002 / 2/6/2002
Chrysene	< 87	ug/kg	87	278	4		8270	gl	2/2/2002 / 2/6/2002
Di-n-butylphthalate	< 70	ug/kg	70	222	4		8270	gl	2/2/2002 / 2/6/2002
Di-n-octylphthalate	< 74	ug/kg	74	236	4		8270	gl	2/2/2002 / 2/6/2002
Dibenz (a,h) anthracene	< 65	ug/kg	65	208	4		8270	gl	2/2/2002 / 2/6/2002
Dibenzofuran	175	ug/kg	92	294	4	J	8270	gl	2/2/2002 / 2/6/2002
Diethylphthalate	< 98	ug/kg	98	311	4		8270	gl	2/2/2002 / 2/6/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020059**
DATE REPORTED: 11-Feb-02
DATE RECEIVED: 23-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA#212936,Q
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Dimethylphthalate	< 86	ug/kg	86	275	4		8270	gl	2/2/2002 / 2/6/2002
Fluoranthene	2510	ug/kg	72	228	4		8270	gl	2/2/2002 / 2/6/2002
Fluorene	304	ug/kg	101	320	4	J	8270	gl	2/2/2002 / 2/6/2002
Hexachlorobenzene	< 85	ug/kg	85	272	4		8270	gl	2/2/2002 / 2/6/2002
Hexachlorobutadiene	< 69	ug/kg	69	219	4		8270	gl	2/2/2002 / 2/6/2002
Hexachlorocyclopentadiene	< 99	ug/kg	99	314	4		8270	gl	2/2/2002 / 2/6/2002
Hexachloroethane	< 101	ug/kg	101	320	4		8270	gl	2/2/2002 / 2/6/2002
Indeno (1,2,3-cd) pyrene	< 131	ug/kg	131	417	4		8270	gl	2/2/2002 / 2/6/2002
Isophorone	< 81	ug/kg	81	258	4		8270	gl	2/2/2002 / 2/6/2002
N-Nitrosodi-n-propylamine	< 121	ug/kg	121	384	4		8270	gl	2/2/2002 / 2/6/2002
N-Nitrosodimethylamine	< 118	ug/kg	118	375	4		8270	gl	2/2/2002 / 2/6/2002
N-Nitrosodiphenylamine	< 78	ug/kg	78	247	4		8270	gl	2/2/2002 / 2/6/2002
Naphthalene	< 100	ug/kg	100	317	4		8270	gl	2/2/2002 / 2/6/2002
Nitrobenzene	< 87	ug/kg	87	278	4		8270	gl	2/2/2002 / 2/6/2002
Pentachlorophenol	< 164	ug/kg	164	522	4		8270	gl	2/2/2002 / 2/6/2002
Phenanthrene	492	ug/kg	87	278	4		8270	gl	2/2/2002 / 2/6/2002
Phenol	< 242	ug/kg	242	771	4		8270	gl	2/2/2002 / 2/6/2002
Pyrene	2180	ug/kg	81	259	4		8270	gl	2/2/2002 / 2/6/2002

Sample Number: 27309
Client ID: SB-9

QC Prep Batch Number: 999686
% Solid = 91.9 %

Collection: 1/22/2002 Time: 10:35
Sample Description: 4-6'

1,2,4-Trichlorobenzene	< 31	ug/kg	31	98	2	8270	qh	2/2/2002 / 2/6/2002
1,2-Dichlorobenzene	< 49	ug/kg	49	154	2	8270	qh	2/2/2002 / 2/6/2002
1,3-Dichlorobenzene	< 49	ug/kg	49	155	2	8270	qh	2/2/2002 / 2/6/2002
1,4-Dichlorobenzene	< 49	ug/kg	49	156	2	8270	qh	2/2/2002 / 2/6/2002
1-Methylnaphthalene	< 33	ug/kg	33	105	2	8270	qh	2/2/2002 / 2/6/2002
2,4,5-Trichlorophenol	< 81	ug/kg	81	256	2	8270	qh	2/2/2002 / 2/6/2002
2,4,6-Trichlorophenol	< 71	ug/kg	71	226	2	8270	qh	2/2/2002 / 2/6/2002
2,4-Dichlorophenol	< 93	ug/kg	93	296	2	8270	qh	2/2/2002 / 2/6/2002
2,4-Dimethylphenol	< 83	ug/kg	83	265	2	8270	qh	2/2/2002 / 2/6/2002
2,4-Dinitrophenol	< 105	ug/kg	105	335	2	8270	qh	2/2/2002 / 2/6/2002
2,4-Dinitrotoluene	< 38	ug/kg	38	122	2	8270	qh	2/2/2002 / 2/6/2002
2,6-Dinitrotoluene	< 45	ug/kg	45	143	2	8270	qh	2/2/2002 / 2/6/2002
2-Chloronaphthalene	< 38	ug/kg	38	120	2	8270	qh	2/2/2002 / 2/6/2002
2-Chlorophenol	< 96	ug/kg	96	305	2	8270	qh	2/2/2002 / 2/6/2002
2-Methylnaphthalene	< 33	ug/kg	33	105	2	8270	qh	2/2/2002 / 2/6/2002
2-Methylphenol	< 97	ug/kg	97	307	2	8270	qh	2/2/2002 / 2/6/2002
2-Nitroaniline	< 50	ug/kg	50	158	2	8270	qh	2/2/2002 / 2/6/2002
2-Nitrophenol	< 93	ug/kg	93	296	2	8270	qh	2/2/2002 / 2/6/2002
3,3'-Dichlorobenzidine	< 47	ug/kg	47	151	2	8270	qh	2/2/2002 / 2/6/2002
3- + 4-Methylphenol	< 97	ug/kg	97	310	2	8270	qh	2/2/2002 / 2/6/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020059
DATE REPORTED: 11-Feb-02
DATE RECEIVED: 23-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA#212936,Q
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
3-Nitroaniline	< 40	ug/kg	40	126	2		8270	qh	2/2/2002 / 2/6/2002
4,6-Dinitro-2-methylphenol	< 73	ug/kg	73	233	2		8270	qh	2/2/2002 / 2/6/2002
4-Bromophenyl phenyl ether	< 40	ug/kg	40	128	2		8270	qh	2/2/2002 / 2/6/2002
4-Chloro-3-methyl phenol	< 83	ug/kg	83	263	2		8270	qh	2/2/2002 / 2/6/2002
4-Chloroaniline	< 51	ug/kg	51	162	2		8270	qh	2/2/2002 / 2/6/2002
4-Chlorophenyl phenyl ether	< 40	ug/kg	40	129	2		8270	qh	2/2/2002 / 2/6/2002
4-Nitroaniline	< 50	ug/kg	50	159	2		8270	qh	2/2/2002 / 2/6/2002
4-Nitrophenol	< 107	ug/kg	107	341	2		8270	qh	2/2/2002 / 2/6/2002
Acenaphthene	< 39	ug/kg	39	125	2		8270	qh	2/2/2002 / 2/6/2002
Acenaphthylene	< 34	ug/kg	34	108	2		8270	qh	2/2/2002 / 2/6/2002
Anthracene	< 31	ug/kg	31	100	2		8270	qh	2/2/2002 / 2/6/2002
Benzo (a) anthracene	< 40	ug/kg	40	126	2		8270	qh	2/2/2002 / 2/6/2002
Benzo (a) pyrene	< 31	ug/kg	31	100	2		8270	qh	2/2/2002 / 2/6/2002
Benzo (b) fluoranthene	< 47	ug/kg	47	149	2		8270	qh	2/2/2002 / 2/6/2002
Benzo (g,h,i) perylene	< 42	ug/kg	42	133	2		8270	qh	2/2/2002 / 2/6/2002
Benzo (k) fluoranthene	< 41	ug/kg	41	131	2		8270	qh	2/2/2002 / 2/6/2002
Benzyl alcohol	< 47	ug/kg	47	148	2		8270	qh	2/2/2002 / 2/6/2002
Bis (2-chloroethoxy) methane	< 47	ug/kg	47	150	2		8270	qh	2/2/2002 / 2/6/2002
Bis (2-chloroethyl) ether	< 49	ug/kg	49	156	2		8270	qh	2/2/2002 / 2/6/2002
Bis (2-chloroisopropyl) ether	< 34	ug/kg	34	107	2		8270	qh	2/2/2002 / 2/6/2002
Bis (2-ethylhexyl) phthalate	< 47	ug/kg	47	150	2		8270	qh	2/2/2002 / 2/6/2002
Butyl benzyl phthalate	< 46	ug/kg	46	146	2		8270	qh	2/2/2002 / 2/6/2002
Chrysene	< 39	ug/kg	39	123	2		8270	qh	2/2/2002 / 2/6/2002
Di-n-butylphthalate	< 31	ug/kg	31	98	2		8270	qh	2/2/2002 / 2/6/2002
Di-n-octylphthalate	< 33	ug/kg	33	105	2		8270	qh	2/2/2002 / 2/6/2002
Dibenz (a,h) anthracene	< 29	ug/kg	29	92	2		8270	qh	2/2/2002 / 2/6/2002
Dibenzofuran	< 41	ug/kg	41	130	2		8270	qh	2/2/2002 / 2/6/2002
Diethylphthalate	< 43	ug/kg	43	138	2		8270	qh	2/2/2002 / 2/6/2002
Dimethylphthalate	< 38	ug/kg	38	122	2		8270	qh	2/2/2002 / 2/6/2002
Fluoranthene	< 32	ug/kg	32	101	2		8270	qh	2/2/2002 / 2/6/2002
Fluorene	< 45	ug/kg	45	142	2		8270	qh	2/2/2002 / 2/6/2002
Hexachlorobenzene	< 38	ug/kg	38	120	2		8270	qh	2/2/2002 / 2/6/2002
Hexachlorobutadiene	< 30	ug/kg	30	97	2		8270	qh	2/2/2002 / 2/6/2002
Hexachlorocyclopentadiene	< 44	ug/kg	44	139	2		8270	qh	2/2/2002 / 2/6/2002
Hexachloroethane	< 45	ug/kg	45	142	2		8270	qh	2/2/2002 / 2/6/2002
Indeno (1,2,3-cd) pyrene	< 58	ug/kg	58	185	2		8270	qh	2/2/2002 / 2/6/2002
Isophorone	< 36	ug/kg	36	114	2		8270	qh	2/2/2002 / 2/6/2002
N-Nitrosodi-n-propylamine	< 54	ug/kg	54	170	2		8270	qh	2/2/2002 / 2/6/2002
N-Nitrosodimethylamine	< 52	ug/kg	52	166	2		8270	qh	2/2/2002 / 2/6/2002
N-Nitrosodiphenylamine	< 34	ug/kg	34	109	2		8270	qh	2/2/2002 / 2/6/2002
Naphthalene	< 44	ug/kg	44	141	2		8270	qh	2/2/2002 / 2/6/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20020059**
DATE REPORTED:	11-Feb-02
DATE RECEIVED:	23-Jan-02
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	MSA#212936,Q
PROJECT NAME:	Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Nitrobenzene	< 39	**ug/kg**	39	123	2		8270	qh	2/2/2002 / 2/6/2002
Pentachlorophenol	< 73	**ug/kg**	73	231	2		8270	qh	2/2/2002 / 2/6/2002
Phenanthrene	< 39	**ug/kg**	39	123	2		8270	qh	2/2/2002 / 2/6/2002
Phenol	< 108	**ug/kg**	108	342	2		8270	qh	2/2/2002 / 2/6/2002
Pyrene	< 36	**ug/kg**	36	115	2		8270	qh	2/2/2002 / 2/6/2002

Approved By: _____ **Date:** 2/11/02
James Chang, Ph.D. , Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range .
LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
RQ : Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

APL Environmental

3222 W. Calumet Rd., Milwaukee, WI 53223
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Project Name: Kreher Park

Project ID: MSA # 212936 Quote # 20010802

Project Manager: Brian Hegge
Company: MSA
Address: 1835 N. Stevens St.
City/State/Zip Rhinelander, WI
Phone: 715-362-3244 **Fax:**

Samples received "On Ice" | Temperature: ____C | Sample intact/not leaking

A. HCl B. HNO3 C. NaOH D. H2SO4 E. Methanol F. Filtered G. None H. Others

100

Preservation / Filtration Code

	Test Required	Matrix	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
15	VOC method 8260	soil	1	2	3	4	5	6												E
14	SVOC method 8270		1	2		4	5	6												G
13	& RCRA metals (arsenic		1	2		4	5	6												G
12	Cadmium, Chromium, Copper,																			
11	iron, lead, nickel and zinc)	↓																		
10																				
09																				
08																				
07																				
06																				
05																				
04																				
03																				
02																				
01																				

Additional Information:

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Collection Time	11:35	12:20	12:32	2:57	5:06	8:49											
Collection Date	11/22/02				↓	11/23/02											
Sample ID	SB-10 4-6'	SB-10 10-12'	Mixed blank	SB-11 4-6'	SB-12 8-10'	SB-13 2-4'											
Lab ID	27311	27312	27316	27313	27314	27315											

COC# 20020010

Relinquished By:	Date/Time	Received By:
	11/23/02 1:30	

Special Instructions:

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020060
DATE REPORTED: 12-Feb-02
DATE RECEIVED: 24-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA#212936 Q
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Sample Number: 27311
Client ID: SB-10

QC Prep Batch Number: 999692
% Solid = 72.9 %

Collection: 1/22/2002 Time: 11:35
Sample Description: 4-6'

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1-Trichloroethane	< 21	ug/kg	21	68	1		8260	qh	1/30/2002 / 2/6/2002
1,1,2,2-Tetrachloroethane	< 30	ug/kg	30	96	1		8260	qh	1/30/2002 / 2/6/2002
1,1,2-Trichloroethane	< 30	ug/kg	30	96	1		8260	qh	1/30/2002 / 2/6/2002
1,1-Dichloroethane	< 22	ug/kg	22	70	1		8260	qh	1/30/2002 / 2/6/2002
1,1-Dichloroethene	< 23	ug/kg	23	75	1		8260	qh	1/30/2002 / 2/6/2002
1,2,3-Trichlorobenzene	< 34	ug/kg	34	108	1		8260	qh	1/30/2002 / 2/6/2002
1,2,4-Trichlorobenzene	< 32	ug/kg	32	102	1		8260	qh	1/30/2002 / 2/6/2002
1,2,4-Trimethylbenzene	< 21	ug/kg	21	66	1		8260	qh	1/30/2002 / 2/6/2002
1,2-Dibromo-3-chloropropan	< 23	ug/kg	23	72	1		8260	qh	1/30/2002 / 2/6/2002
1,2-Dichlorobenzene	< 23	ug/kg	23	74	1		8260	qh	1/30/2002 / 2/6/2002
1,2-Dichloroethane	< 24	ug/kg	24	76	1		8260	qh	1/30/2002 / 2/6/2002
1,2-Dichloropropane	< 22	ug/kg	22	70	1		8260	qh	1/30/2002 / 2/6/2002
1,3,5-Trimethylbenzene	< 24	ug/kg	24	75	1		8260	qh	1/30/2002 / 2/6/2002
1,3-Dichlorobenzene	< 18	ug/kg	18	57	1		8260	qh	1/30/2002 / 2/6/2002
1,3-Dichloropropane	< 27	ug/kg	27	85	1		8260	qh	1/30/2002 / 2/6/2002
1,4-Dichlorobenzene	< 24	ug/kg	24	78	1		8260	qh	1/30/2002 / 2/6/2002
2,2-Dichloropropane	< 19	ug/kg	19	60	1		8260	qh	1/30/2002 / 2/6/2002
2-Chlorotoluene	< 20	ug/kg	20	65	1		8260	qh	1/30/2002 / 2/6/2002
4-Chlorotoluene	< 18	ug/kg	18	58	1		8260	qh	1/30/2002 / 2/6/2002
Benzene	< 18	ug/kg	18	59	1		8260	qh	1/30/2002 / 2/6/2002
Bromobenzene	< 21	ug/kg	21	68	1		8260	qh	1/30/2002 / 2/6/2002
Bromodichloromethane	< 26	ug/kg	26	84	1		8260	qh	1/30/2002 / 2/6/2002
Carbon tetrachloride	< 18	ug/kg	18	59	1		8260	qh	1/30/2002 / 2/6/2002
Chlorobenzene	< 18	ug/kg	18	57	1		8260	qh	1/30/2002 / 2/6/2002
Chloroethane	< 44	ug/kg	44	139	1		8260	qh	1/30/2002 / 2/6/2002
Chloroform	< 17	ug/kg	17	53	1		8260	qh	1/30/2002 / 2/6/2002
Chloromethane	< 34	ug/kg	34	108	1		8260	qh	1/30/2002 / 2/6/2002
cis-1,2-Dichloroethene	< 19	ug/kg	19	59	1		8260	qh	1/30/2002 / 2/6/2002
Dibromochloromethane	< 28	ug/kg	28	89	1		8260	qh	1/30/2002 / 2/6/2002
Dichlorodifluoromethane	< 18	ug/kg	18	58	1		8260	qh	1/30/2002 / 2/6/2002
Ethylbenzene	< 17	ug/kg	17	55	1		8260	qh	1/30/2002 / 2/6/2002
Hexachlorobutadiene	< 29	ug/kg	29	91	1		8260	qh	1/30/2002 / 2/6/2002
Isopropyl Ether	< 20	ug/kg	20	65	1		8260	qh	1/30/2002 / 2/6/2002
Isopropylbenzene	< 22	ug/kg	22	71	1		8260	qh	1/30/2002 / 2/6/2002
m&p-xylene	< 37	ug/kg	37	117	1		8260	qh	1/30/2002 / 2/6/2002
Methylene chloride	< 21	ug/kg	21	66	1		8260	qh	1/30/2002 / 2/6/2002
MTBE	< 27	ug/kg	27	85	1		8260	qh	1/30/2002 / 2/6/2002
n-Butylbenzene	< 25	ug/kg	25	78	1		8260	qh	1/30/2002 / 2/6/2002
n-Propylbenzene	< 19	ug/kg	19	61	1		8260	qh	1/30/2002 / 2/6/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020060
DATE REPORTED: 12-Feb-02
DATE RECEIVED: 24-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA#212936 Q
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Naphthalene	< 52	ug/kg	52	165	1		8260	qh	1/30/2002 / 2/6/2002
o-xylene	< 17	ug/kg	17	55	1		8260	qh	1/30/2002 / 2/6/2002
p-Isopropyltoluene	< 22	ug/kg	22	68	1		8260	qh	1/30/2002 / 2/6/2002
sec-Butylbenzene	< 23	ug/kg	23	74	1		8260	qh	1/30/2002 / 2/6/2002
tert-Butylbenzene	< 21	ug/kg	21	66	1		8260	qh	1/30/2002 / 2/6/2002
Tetrachloroethene	< 21	ug/kg	21	67	1		8260	qh	1/30/2002 / 2/6/2002
Toluene	< 20	ug/kg	20	64	1		8260	qh	1/30/2002 / 2/6/2002
trans-1,2-Dichloroethene	< 17	ug/kg	17	55	1		8260	qh	1/30/2002 / 2/6/2002
Trichloroethene	< 24	ug/kg	24	75	1		8260	qh	1/30/2002 / 2/6/2002
Trichlorofluoromethane	< 17	ug/kg	17	53	1		8260	qh	1/30/2002 / 2/6/2002
Vinyl chloride	< 15	ug/kg	15	47	1		8260	qh	1/30/2002 / 2/6/2002

Sample Number: 27312
Client ID: SB-10

QC Prep Batch Number: 999692
% Solid = 64.8 %

Collection: 1/22/2002 Time: 12:20
Sample Description: 10-12'

1,1,1-Trichloroethane	< 24	ug/kg	24	77	1		8260	qh	1/30/2002 / 2/6/2002
1,1,2,2-Tetrachloroethane	< 34	ug/kg	34	108	1		8260	qh	1/30/2002 / 2/6/2002
1,1,2-Trichloroethane	< 34	ug/kg	34	108	1		8260	qh	1/30/2002 / 2/6/2002
1,1-Dichloroethane	< 25	ug/kg	25	79	1		8260	qh	1/30/2002 / 2/6/2002
1,1-Dichloroethene	< 26	ug/kg	26	84	1		8260	qh	1/30/2002 / 2/6/2002
1,2,3-Trichlorobenzene	< 38	ug/kg	38	122	1		8260	qh	1/30/2002 / 2/6/2002
1,2,4-Trichlorobenzene	< 36	ug/kg	36	115	1		8260	qh	1/30/2002 / 2/6/2002
1,2,4-Trimethylbenzene	< 23	ug/kg	23	74	1		8260	qh	1/30/2002 / 2/6/2002
1,2-Dibromo-3-chloropropan	< 26	ug/kg	26	81	1		8260	qh	1/30/2002 / 2/6/2002
1,2-Dichlorobenzene	< 26	ug/kg	26	84	1		8260	qh	1/30/2002 / 2/6/2002
1,2-Dichloroethane	< 27	ug/kg	27	85	1		8260	qh	1/30/2002 / 2/6/2002
1,2-Dichloropropane	< 25	ug/kg	25	79	1		8260	qh	1/30/2002 / 2/6/2002
1,3,5-Trimethylbenzene	< 27	ug/kg	27	84	1		8260	qh	1/30/2002 / 2/6/2002
1,3-Dichlorobenzene	< 20	ug/kg	20	64	1		8260	qh	1/30/2002 / 2/6/2002
1,3-Dichloropropane	< 30	ug/kg	30	96	1		8260	qh	1/30/2002 / 2/6/2002
1,4-Dichlorobenzene	< 28	ug/kg	28	87	1		8260	qh	1/30/2002 / 2/6/2002
2,2-Dichloropropane	< 21	ug/kg	21	67	1		8260	qh	1/30/2002 / 2/6/2002
2-Chlorotoluene	< 23	ug/kg	23	73	1		8260	qh	1/30/2002 / 2/6/2002
4-Chlorotoluene	< 20	ug/kg	20	65	1		8260	qh	1/30/2002 / 2/6/2002
Benzene	< 21	ug/kg	21	66	1		8260	qh	1/30/2002 / 2/6/2002
Bromobenzene	< 24	ug/kg	24	76	1		8260	qh	1/30/2002 / 2/6/2002
Bromodichloromethane	< 30	ug/kg	30	94	1		8260	qh	1/30/2002 / 2/6/2002
Carbon tetrachloride	< 21	ug/kg	21	66	1		8260	qh	1/30/2002 / 2/6/2002
Chlorobenzene	< 20	ug/kg	20	64	1		8260	qh	1/30/2002 / 2/6/2002
Chloroethane	< 49	ug/kg	49	156	1		8260	qh	1/30/2002 / 2/6/2002
Chloroform	< 19	ug/kg	19	59	1		8260	qh	1/30/2002 / 2/6/2002
Chloromethane	< 38	ug/kg	38	121	1		8260	qh	1/30/2002 / 2/6/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020060
DATE REPORTED: 12-Feb-02
DATE RECEIVED: 24-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA#212936 Q
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
cis-1,2-Dichloroethene	< 21	ug/kg	21	67	1		8260	qh	1/30/2002 / 2/6/2002
Dibromochloromethane	< 31	ug/kg	31	100	1		8260	qh	1/30/2002 / 2/6/2002
Dichlorodifluoromethane	< 21	ug/kg	21	65	1		8260	qh	1/30/2002 / 2/6/2002
Ethylbenzene	< 20	ug/kg	20	62	1		8260	qh	1/30/2002 / 2/6/2002
Hexachlorobutadiene	< 32	ug/kg	32	103	1		8260	qh	1/30/2002 / 2/6/2002
Isopropyl Ether	< 23	ug/kg	23	73	1		8260	qh	1/30/2002 / 2/6/2002
Isopropylbenzene	< 25	ug/kg	25	80	1		8260	qh	1/30/2002 / 2/6/2002
m&p-xylene	< 41	ug/kg	41	131	1		8260	qh	1/30/2002 / 2/6/2002
Methylene chloride	< 23	ug/kg	23	74	1		8260	qh	1/30/2002 / 2/6/2002
MTBE	< 30	ug/kg	30	96	1		8260	qh	1/30/2002 / 2/6/2002
n-Butylbenzene	< 28	ug/kg	28	88	1		8260	qh	1/30/2002 / 2/6/2002
n-Propylbenzene	< 22	ug/kg	22	69	1		8260	qh	1/30/2002 / 2/6/2002
Naphthalene	< 58	ug/kg	58	185	1		8260	qh	1/30/2002 / 2/6/2002
o-xylene	< 19	ug/kg	19	61	1		8260	qh	1/30/2002 / 2/6/2002
p-Isopropyltoluene	< 24	ug/kg	24	77	1		8260	qh	1/30/2002 / 2/6/2002
sec-Butylbenzene	< 26	ug/kg	26	83	1		8260	qh	1/30/2002 / 2/6/2002
tert-Butylbenzene	< 23	ug/kg	23	74	1		8260	qh	1/30/2002 / 2/6/2002
Tetrachloroethene	< 24	ug/kg	24	75	1		8260	qh	1/30/2002 / 2/6/2002
Toluene	< 22	ug/kg	22	72	1		8260	qh	1/30/2002 / 2/6/2002
trans-1,2-Dichloroethene	< 20	ug/kg	20	62	1		8260	qh	1/30/2002 / 2/6/2002
Trichloroethene	< 27	ug/kg	27	85	1		8260	qh	1/30/2002 / 2/6/2002
Trichlorofluoromethane	< 19	ug/kg	19	59	1		8260	qh	1/30/2002 / 2/6/2002
Vinyl chloride	< 16	ug/kg	16	52	1		8260	qh	1/30/2002 / 2/6/2002

Sample Number: 27313
Client ID: SB-11

QC Prep Batch Number: 999692
% Solid = 72.4 %

Collection: 1/22/2002 Time: 14:59
Sample Description: 4-6

1,1,1-Trichloroethane	< 22	ug/kg	22	69	1		8260	qh	1/30/2002 / 2/6/2002
1,1,2,2-Tetrachloroethane	< 30	ug/kg	30	97	1		8260	qh	1/30/2002 / 2/6/2002
1,1,2-Trichloroethane	< 30	ug/kg	30	96	1		8260	qh	1/30/2002 / 2/6/2002
1,1-Dichloroethane	< 22	ug/kg	22	70	1		8260	qh	1/30/2002 / 2/6/2002
1,1-Dichloroethene	< 24	ug/kg	24	75	1		8260	qh	1/30/2002 / 2/6/2002
1,2,3-Trichlorobenzene	< 34	ug/kg	34	109	1		8260	qh	1/30/2002 / 2/6/2002
1,2,4-Trichlorobenzene	< 32	ug/kg	32	103	1		8260	qh	1/30/2002 / 2/6/2002
1,2,4-Trimethylbenzene	< 21	ug/kg	21	66	1		8260	qh	1/30/2002 / 2/6/2002
1,2-Dibromo-3-chloropropan	< 23	ug/kg	23	73	1		8260	qh	1/30/2002 / 2/6/2002
1,2-Dichlorobenzene	< 24	ug/kg	24	75	1		8260	qh	1/30/2002 / 2/6/2002
1,2-Dichloroethane	< 24	ug/kg	24	76	1		8260	qh	1/30/2002 / 2/6/2002
1,2-Dichloropropane	< 22	ug/kg	22	71	1		8260	qh	1/30/2002 / 2/6/2002
1,3,5-Trimethylbenzene	< 24	ug/kg	24	76	1		8260	qh	1/30/2002 / 2/6/2002
1,3-Dichlorobenzene	< 18	ug/kg	18	57	1		8260	qh	1/30/2002 / 2/6/2002
1,3-Dichloropropane	< 27	ug/kg	27	86	1		8260	qh	1/30/2002 / 2/6/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020060
DATE REPORTED: 12-Feb-02
DATE RECEIVED: 24-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA#212936 Q
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,4-Dichlorobenzene	< 25	ug/kg	25	78	1		8260	qh	1/30/2002 / 2/6/2002
2,2-Dichloropropane	< 19	ug/kg	19	60	1		8260	qh	1/30/2002 / 2/6/2002
2-Chlorotoluene	< 21	ug/kg	21	65	1		8260	qh	1/30/2002 / 2/6/2002
4-Chlorotoluene	< 18	ug/kg	18	58	1		8260	qh	1/30/2002 / 2/6/2002
Benzene	< 19	ug/kg	19	59	1		8260	qh	1/30/2002 / 2/6/2002
Bromobenzene	< 21	ug/kg	21	68	1		8260	qh	1/30/2002 / 2/6/2002
Bromodichloromethane	< 26	ug/kg	26	84	1		8260	qh	1/30/2002 / 2/6/2002
Carbon tetrachloride	< 19	ug/kg	19	59	1		8260	qh	1/30/2002 / 2/6/2002
Chlorobenzene	< 18	ug/kg	18	57	1		8260	qh	1/30/2002 / 2/6/2002
Chloroethane	< 44	ug/kg	44	140	1		8260	qh	1/30/2002 / 2/6/2002
Chloroform	< 17	ug/kg	17	53	1		8260	qh	1/30/2002 / 2/6/2002
Chloromethane	< 34	ug/kg	34	108	1		8260	qh	1/30/2002 / 2/6/2002
cis-1,2-Dichloroethene	< 19	ug/kg	19	60	1		8260	qh	1/30/2002 / 2/6/2002
Dibromochloromethane	< 28	ug/kg	28	89	1		8260	qh	1/30/2002 / 2/6/2002
Dichlorodifluoromethane	< 18	ug/kg	18	58	1		8260	qh	1/30/2002 / 2/6/2002
Ethylbenzene	< 17	ug/kg	17	56	1		8260	qh	1/30/2002 / 2/6/2002
Hexachlorobutadiene	< 29	ug/kg	29	92	1		8260	qh	1/30/2002 / 2/6/2002
Isopropyl Ether	< 21	ug/kg	21	65	1		8260	qh	1/30/2002 / 2/6/2002
Isopropylbenzene	< 23	ug/kg	23	72	1		8260	qh	1/30/2002 / 2/6/2002
m&p-xylene	< 37	ug/kg	37	117	1		8260	qh	1/30/2002 / 2/6/2002
Methylene chloride	< 21	ug/kg	21	67	1		8260	qh	1/30/2002 / 2/6/2002
MTBE	< 27	ug/kg	27	86	1		8260	qh	1/30/2002 / 2/6/2002
n-Butylbenzene	< 25	ug/kg	25	79	1		8260	qh	1/30/2002 / 2/6/2002
n-Propylbenzene	< 19	ug/kg	19	62	1		8260	qh	1/30/2002 / 2/6/2002
Naphthalene	< 52	ug/kg	52	166	1		8260	qh	1/30/2002 / 2/6/2002
o-xylene	< 17	ug/kg	17	55	1		8260	qh	1/30/2002 / 2/6/2002
p-Isopropyltoluene	< 22	ug/kg	22	69	1		8260	qh	1/30/2002 / 2/6/2002
sec-Butylbenzene	< 23	ug/kg	23	74	1		8260	qh	1/30/2002 / 2/6/2002
tert-Butylbenzene	< 21	ug/kg	21	66	1		8260	qh	1/30/2002 / 2/6/2002
Tetrachloroethene	< 21	ug/kg	21	67	1		8260	qh	1/30/2002 / 2/6/2002
Toluene	< 20	ug/kg	20	64	1		8260	qh	1/30/2002 / 2/6/2002
trans-1,2-Dichloroethene	< 17	ug/kg	17	56	1		8260	qh	1/30/2002 / 2/6/2002
Trichloroethene	< 24	ug/kg	24	76	1		8260	qh	1/30/2002 / 2/6/2002
Trichlorofluoromethane	< 17	ug/kg	17	53	1		8260	qh	1/30/2002 / 2/6/2002
Vinyl chloride	< 15	ug/kg	15	47	1		8260	qh	1/30/2002 / 2/6/2002

Sample Number: 27314
Client ID: SB-12

QC Prep Batch Number: 999704
% Solid = 78.2 %

Collection: 1/22/2002 Time: 17:06
Sample Description: 8-10'

1,1,1-Trichloroethane	< 20	ug/kg	20	64	1		8260	qh	2/6/2002 / 2/6/2002
1,1,2,2-Tetrachloroethane	< 28	ug/kg	28	89	1		8260	qh	2/6/2002 / 2/6/2002
1,1,2-Trichloroethane	< 28	ug/kg	28	89	1		8260	qh	2/6/2002 / 2/6/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020060
DATE REPORTED: 12-Feb-02
DATE RECEIVED: 24-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA#212936 Q
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1-Dichloroethane	< 20	ug/kg	20	65	1		8260	qh	2/6/2002 / 2/6/2002
1,1-Dichloroethene	< 22	ug/kg	22	70	1		8260	qh	2/6/2002 / 2/6/2002
1,2,3-Trichlorobenzene	< 32	ug/kg	32	101	1		8260	qh	2/6/2002 / 2/6/2002
1,2,4-Trichlorobenzene	< 30	ug/kg	30	95	1		8260	qh	2/6/2002 / 2/6/2002
1,2,4-Trimethylbenzene	63	ug/kg	19	61	1		8260	qh	2/6/2002 / 2/6/2002
1,2-Dibromo-3-chloropropan	< 21	ug/kg	21	67	1		8260	qh	2/6/2002 / 2/6/2002
1,2-Dichlorobenzene	< 22	ug/kg	22	69	1		8260	qh	2/6/2002 / 2/6/2002
1,2-Dichloroethane	< 22	ug/kg	22	71	1		8260	qh	2/6/2002 / 2/6/2002
1,2-Dichloropropane	< 21	ug/kg	21	66	1		8260	qh	2/6/2002 / 2/6/2002
1,3,5-Trimethylbenzene	30	ug/kg	22	70	1	J	8260	qh	2/6/2002 / 2/6/2002
1,3-Dichlorobenzene	< 17	ug/kg	17	53	1		8260	qh	2/6/2002 / 2/6/2002
1,3-Dichloropropane	< 25	ug/kg	25	79	1		8260	qh	2/6/2002 / 2/6/2002
1,4-Dichlorobenzene	< 23	ug/kg	23	73	1		8260	qh	2/6/2002 / 2/6/2002
2,2-Dichloropropane	< 18	ug/kg	18	56	1		8260	qh	2/6/2002 / 2/6/2002
2-Chlorotoluene	< 19	ug/kg	19	61	1		8260	qh	2/6/2002 / 2/6/2002
4-Chlorotoluene	< 17	ug/kg	17	54	1		8260	qh	2/6/2002 / 2/6/2002
Benzene	< 17	ug/kg	17	55	1		8260	qh	2/6/2002 / 2/6/2002
Bromobenzene	< 20	ug/kg	20	63	1		8260	qh	2/6/2002 / 2/6/2002
Bromodichloromethane	< 24	ug/kg	24	78	1		8260	qh	2/6/2002 / 2/6/2002
Carbon tetrachloride	< 17	ug/kg	17	55	1		8260	qh	2/6/2002 / 2/6/2002
Chlorobenzene	< 17	ug/kg	17	53	1		8260	qh	2/6/2002 / 2/6/2002
Chloroethane	< 41	ug/kg	41	129	1		8260	qh	2/6/2002 / 2/6/2002
Chloroform	< 15	ug/kg	15	49	1		8260	qh	2/6/2002 / 2/6/2002
Chloromethane	< 32	ug/kg	32	100	1		8260	qh	2/6/2002 / 2/6/2002
cis-1,2-Dichloroethene	< 17	ug/kg	17	55	1		8260	qh	2/6/2002 / 2/6/2002
Dibromochloromethane	< 26	ug/kg	26	83	1		8260	qh	2/6/2002 / 2/6/2002
Dichlorodifluoromethane	< 17	ug/kg	17	54	1		8260	qh	2/6/2002 / 2/6/2002
Ethylbenzene	43	ug/kg	16	51	1	J	8260	qh	2/6/2002 / 2/6/2002
Hexachlorobutadiene	< 27	ug/kg	27	85	1		8260	qh	2/6/2002 / 2/6/2002
Isopropyl Ether	< 19	ug/kg	19	61	1		8260	qh	2/6/2002 / 2/6/2002
Isopropylbenzene	< 21	ug/kg	21	67	1		8260	qh	2/6/2002 / 2/6/2002
m&p-xylene	52	ug/kg	34	109	1	J	8260	qh	2/6/2002 / 2/6/2002
Methylene chloride	< 19	ug/kg	19	62	1		8260	qh	2/6/2002 / 2/6/2002
MTBE	< 25	ug/kg	25	80	1		8260	qh	2/6/2002 / 2/6/2002
n-Butylbenzene	< 23	ug/kg	23	73	1		8260	qh	2/6/2002 / 2/6/2002
n-Propylbenzene	< 18	ug/kg	18	57	1		8260	qh	2/6/2002 / 2/6/2002
Naphthalene	743	ug/kg	48	153	1		8260	qh	2/6/2002 / 2/6/2002
o-xylene	30	ug/kg	16	51	1	J	8260	qh	2/6/2002 / 2/6/2002
p-Isopropyltoluene	< 20	ug/kg	20	64	1		8260	qh	2/6/2002 / 2/6/2002
sec-Butylbenzene	< 22	ug/kg	22	69	1		8260	qh	2/6/2002 / 2/6/2002
tert-Butylbenzene	< 19	ug/kg	19	62	1		8260	qh	2/6/2002 / 2/6/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020060**
DATE REPORTED: 12-Feb-02
DATE RECEIVED: 24-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA#212936 Q
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Tetrachloroethene	< 20	**ug/kg**	20	62	1		8260	qh	2/6/2002 / 2/6/2002
Toluene	49	**ug/kg**	19	59	1	J	8260	qh	2/6/2002 / 2/6/2002
trans-1,2-Dichloroethene	< 16	**ug/kg**	16	52	1		8260	qh	2/6/2002 / 2/6/2002
Trichloroethene	< 22	**ug/kg**	22	70	1		8260	qh	2/6/2002 / 2/6/2002
Trichlorofluoromethane	< 15	**ug/kg**	15	49	1		8260	qh	2/6/2002 / 2/6/2002
Vinyl chloride	< 14	**ug/kg**	14	43	1		8260	qh	2/6/2002 / 2/6/2002

Sample Number: 27315 QC Prep Batch Number: 999704 Collection: 1/23/2002 Time: 08:49
Client ID: SB-13 % Solid = 80.9 % Sample Description: 2-4'

1,1,1-Trichloroethane	< 19	**ug/kg**	19	62	1		8260	qh	2/6/2002 / 2/6/2002
1,1,2,2-Tetrachloroethane	< 27	**ug/kg**	27	86	1		8260	qh	2/6/2002 / 2/6/2002
1,1,2-Trichloroethane	< 27	**ug/kg**	27	86	1		8260	qh	2/6/2002 / 2/6/2002
1,1-Dichloroethane	< 20	**ug/kg**	20	63	1		8260	qh	2/6/2002 / 2/6/2002
1,1-Dichloroethene	< 21	**ug/kg**	21	67	1		8260	qh	2/6/2002 / 2/6/2002
1,2,3-Trichlorobenzene	32	**ug/kg**	31	98	1	J	8260	qh	2/6/2002 / 2/6/2002
1,2,4-Trichlorobenzene	33	**ug/kg**	29	92	1	J	8260	qh	2/6/2002 / 2/6/2002
1,2,4-Trimethylbenzene	50	**ug/kg**	19	59	1	J	8260	qh	2/6/2002 / 2/6/2002
1,2-Dibromo-3-chloropropan	< 20	**ug/kg**	20	65	1		8260	qh	2/6/2002 / 2/6/2002
1,2-Dichlorobenzene	< 21	**ug/kg**	21	67	1		8260	qh	2/6/2002 / 2/6/2002
1,2-Dichloroethane	< 21	**ug/kg**	21	68	1		8260	qh	2/6/2002 / 2/6/2002
1,2-Dichloropropane	< 20	**ug/kg**	20	63	1		8260	qh	2/6/2002 / 2/6/2002
1,3,5-Trimethylbenzene	30	**ug/kg**	21	68	1	J	8260	qh	2/6/2002 / 2/6/2002
1,3-Dichlorobenzene	< 16	**ug/kg**	16	51	1		8260	qh	2/6/2002 / 2/6/2002
1,3-Dichloropropane	< 24	**ug/kg**	24	77	1		8260	qh	2/6/2002 / 2/6/2002
1,4-Dichlorobenzene	< 22	**ug/kg**	22	70	1		8260	qh	2/6/2002 / 2/6/2002
2,2-Dichloropropane	< 17	**ug/kg**	17	54	1		8260	qh	2/6/2002 / 2/6/2002
2-Chlorotoluene	< 18	**ug/kg**	18	59	1		8260	qh	2/6/2002 / 2/6/2002
4-Chlorotoluene	< 16	**ug/kg**	16	52	1		8260	qh	2/6/2002 / 2/6/2002
Benzene	< 17	**ug/kg**	17	53	1		8260	qh	2/6/2002 / 2/6/2002
Bromobenzene	< 19	**ug/kg**	19	61	1		8260	qh	2/6/2002 / 2/6/2002
Bromodichloromethane	< 24	**ug/kg**	24	75	1		8260	qh	2/6/2002 / 2/6/2002
Carbon tetrachloride	< 17	**ug/kg**	17	53	1		8260	qh	2/6/2002 / 2/6/2002
Chlorobenzene	< 16	**ug/kg**	16	51	1		8260	qh	2/6/2002 / 2/6/2002
Chloroethane	< 39	**ug/kg**	39	125	1		8260	qh	2/6/2002 / 2/6/2002
Chloroform	< 15	**ug/kg**	15	48	1		8260	qh	2/6/2002 / 2/6/2002
Chloromethane	< 30	**ug/kg**	30	97	1		8260	qh	2/6/2002 / 2/6/2002
cis-1,2-Dichloroethene	< 17	**ug/kg**	17	53	1		8260	qh	2/6/2002 / 2/6/2002
Dibromochloromethane	< 25	**ug/kg**	25	80	1		8260	qh	2/6/2002 / 2/6/2002
Dichlorodifluoromethane	< 16	**ug/kg**	16	52	1		8260	qh	2/6/2002 / 2/6/2002
Ethylbenzene	25	**ug/kg**	16	50	1	J	8260	qh	2/6/2002 / 2/6/2002
Hexachlorobutadiene	< 26	**ug/kg**	26	82	1		8260	qh	2/6/2002 / 2/6/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020060**
DATE REPORTED: 12-Feb-02
DATE RECEIVED: 24-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA#212936 Q
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Isopropyl Ether	< 18	ug/kg	18	59	1		8260	qh	2/6/2002 / 2/6/2002
Isopropylbenzene	23	ug/kg	20	64	1	J	8260	qh	2/6/2002 / 2/6/2002
m&p-xylene	62	ug/kg	33	105	1	J	8260	qh	2/6/2002 / 2/6/2002
Methylene chloride	< 19	ug/kg	19	60	1		8260	qh	2/6/2002 / 2/6/2002
MTBE	< 24	ug/kg	24	77	1		8260	qh	2/6/2002 / 2/6/2002
n-Butylbenzene	38	ug/kg	22	70	1	J	8260	qh	2/6/2002 / 2/6/2002
n-Propylbenzene	34	ug/kg	17	55	1	J	8260	qh	2/6/2002 / 2/6/2002
Naphthalene	2060	ug/kg	47	148	1		8260	qh	2/6/2002 / 2/6/2002
o-xylene	30	ug/kg	15	49	1	J	8260	qh	2/6/2002 / 2/6/2002
p-Isopropyltoluene	< 19	ug/kg	19	62	1		8260	qh	2/6/2002 / 2/6/2002
sec-Butylbenzene	28	ug/kg	21	66	1	J	8260	qh	2/6/2002 / 2/6/2002
tert-Butylbenzene	< 19	ug/kg	19	59	1		8260	qh	2/6/2002 / 2/6/2002
Tetrachloroethene	< 19	ug/kg	19	60	1		8260	qh	2/6/2002 / 2/6/2002
Toluene	39	ug/kg	18	57	1	J	8260	qh	2/6/2002 / 2/6/2002
trans-1,2-Dichloroethene	< 16	ug/kg	16	50	1		8260	qh	2/6/2002 / 2/6/2002
Trichloroethene	< 21	ug/kg	21	68	1		8260	qh	2/6/2002 / 2/6/2002
Trichlorofluoromethane	< 15	ug/kg	15	47	1		8260	qh	2/6/2002 / 2/6/2002
Vinyl chloride	< 13	ug/kg	13	42	1		8260	qh	2/6/2002 / 2/6/2002

Sample Number: 27316 — QC Prep Batch Number: 999704 — Collection: 1/23/2002 — Time: 12:33
Client ID: MEOH BLK — % Solid = 100 % — Sample Description:

1,1,1-Trichloroethane	< 16	ug/kg	16	50	1		8260	qh	2/6/2002 / 2/6/2002
1,1,2,2-Tetrachloroethane	< 22	ug/kg	22	70	1		8260	qh	2/6/2002 / 2/6/2002
1,1,2-Trichloroethane	< 22	ug/kg	22	70	1		8260	qh	2/6/2002 / 2/6/2002
1,1-Dichloroethane	< 16	ug/kg	16	51	1		8260	qh	2/6/2002 / 2/6/2002
1,1-Dichloroethene	< 17	ug/kg	17	54	1		8260	qh	2/6/2002 / 2/6/2002
1,2,3-Trichlorobenzene	< 25	ug/kg	25	79	1		8260	qh	2/6/2002 / 2/6/2002
1,2,4-Trichlorobenzene	< 23	ug/kg	23	74	1		8260	qh	2/6/2002 / 2/6/2002
1,2,4-Trimethylbenzene	< 15	ug/kg	15	48	1		8260	qh	2/6/2002 / 2/6/2002
1,2-Dibromo-3-chloropropan	< 17	ug/kg	17	53	1		8260	qh	2/6/2002 / 2/6/2002
1,2-Dichlorobenzene	< 17	ug/kg	17	54	1		8260	qh	2/6/2002 / 2/6/2002
1,2-Dichloroethane	< 17	ug/kg	17	55	1		8260	qh	2/6/2002 / 2/6/2002
1,2-Dichloropropane	< 16	ug/kg	16	51	1		8260	qh	2/6/2002 / 2/6/2002
1,3,5-Trimethylbenzene	< 17	ug/kg	17	55	1		8260	qh	2/6/2002 / 2/6/2002
1,3-Dichlorobenzene	< 13	ug/kg	13	41	1		8260	qh	2/6/2002 / 2/6/2002
1,3-Dichloropropane	< 20	ug/kg	20	62	1		8260	qh	2/6/2002 / 2/6/2002
1,4-Dichlorobenzene	< 18	ug/kg	18	57	1		8260	qh	2/6/2002 / 2/6/2002
2,2-Dichloropropane	< 14	ug/kg	14	44	1		8260	qh	2/6/2002 / 2/6/2002
2-Chlorotoluene	< 15	ug/kg	15	47	1		8260	qh	2/6/2002 / 2/6/2002
4-Chlorotoluene	< 13	ug/kg	13	42	1		8260	qh	2/6/2002 / 2/6/2002
Benzene	< 13	ug/kg	13	43	1		8260	qh	2/6/2002 / 2/6/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020060
DATE REPORTED: 12-Feb-02
DATE RECEIVED: 24-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA#212936 Q
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Bromobenzene	< 16	ug/kg	16	49	1		8260	qh	2/6/2002 / 2/6/2002
Bromodichloromethane	< 19	ug/kg	19	61	1		8260	qh	2/6/2002 / 2/6/2002
Carbon tetrachloride	< 13	ug/kg	13	43	1		8260	qh	2/6/2002 / 2/6/2002
Chlorobenzene	< 13	ug/kg	13	41	1		8260	qh	2/6/2002 / 2/6/2002
Chloroethane	< 32	ug/kg	32	101	1		8260	qh	2/6/2002 / 2/6/2002
Chloroform	< 12	ug/kg	12	38	1		8260	qh	2/6/2002 / 2/6/2002
Chloromethane	< 25	ug/kg	25	78	1		8260	qh	2/6/2002 / 2/6/2002
cis-1,2-Dichloroethene	< 14	ug/kg	14	43	1		8260	qh	2/6/2002 / 2/6/2002
Dibromochloromethane	< 20	ug/kg	20	65	1		8260	qh	2/6/2002 / 2/6/2002
Dichlorodifluoromethane	< 13	ug/kg	13	42	1		8260	qh	2/6/2002 / 2/6/2002
Ethylbenzene	< 13	ug/kg	13	40	1		8260	qh	2/6/2002 / 2/6/2002
Hexachlorobutadiene	< 21	ug/kg	21	66	1		8260	qh	2/6/2002 / 2/6/2002
Isopropyl Ether	< 15	ug/kg	15	47	1		8260	qh	2/6/2002 / 2/6/2002
Isopropylbenzene	< 16	ug/kg	16	52	1		8260	qh	2/6/2002 / 2/6/2002
m&p-xylene	< 27	ug/kg	27	85	1		8260	qh	2/6/2002 / 2/6/2002
Methylene chloride	< 15	ug/kg	15	48	1		8260	qh	2/6/2002 / 2/6/2002
MTBE	< 20	ug/kg	20	62	1		8260	qh	2/6/2002 / 2/6/2002
n-Butylbenzene	< 18	ug/kg	18	57	1		8260	qh	2/6/2002 / 2/6/2002
n-Propylbenzene	< 14	ug/kg	14	45	1		8260	qh	2/6/2002 / 2/6/2002
Naphthalene	< 38	ug/kg	38	120	1		8260	qh	2/6/2002 / 2/6/2002
o-xylene	< 13	ug/kg	13	40	1		8260	qh	2/6/2002 / 2/6/2002
p-Isopropyltoluene	< 16	ug/kg	16	50	1		8260	qh	2/6/2002 / 2/6/2002
sec-Butylbenzene	< 17	ug/kg	17	54	1		8260	qh	2/6/2002 / 2/6/2002
tert-Butylbenzene	< 15	ug/kg	15	48	1		8260	qh	2/6/2002 / 2/6/2002
Tetrachloroethene	< 15	ug/kg	15	49	1		8260	qh	2/6/2002 / 2/6/2002
Toluene	< 15	ug/kg	15	46	1		8260	qh	2/6/2002 / 2/6/2002
trans-1,2-Dichloroethene	< 13	ug/kg	13	40	1		8260	qh	2/6/2002 / 2/6/2002
Trichloroethene	< 17	ug/kg	17	55	1		8260	qh	2/6/2002 / 2/6/2002
Trichlorofluoromethane	< 12	ug/kg	12	38	1		8260	qh	2/6/2002 / 2/6/2002
Vinyl chloride	< 11	ug/kg	11	34	1		8260	qh	2/6/2002 / 2/6/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20020060**
DATE REPORTED:	12-Feb-02
DATE RECEIVED:	24-Jan-02
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	MSA#212936 Q
PROJECT NAME:	Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal

Approved By: _____ **Date:** 2/12/02
James Chang, Ph.D. , Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range .
LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
RQ : Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020060
DATE REPORTED: 11-Feb-02
DATE RECEIVED: 24-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA#212936 Q
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Sample Number: 27311
Client ID: SB-10

QC Prep Batch Number: 999686
% Solid = 72.9 %

Collection: 1/22/2002 Time: 11:35
Sample Description: 4-6'

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,2,4-Trichlorobenzene	< 78	ug/kg	78	248	4		8270	gl	2/2/2002 / 2/6/2002
1,2-Dichlorobenzene	< 122	ug/kg	122	389	4		8270	gl	2/2/2002 / 2/6/2002
1,3-Dichlorobenzene	< 123	ug/kg	123	391	4		8270	gl	2/2/2002 / 2/6/2002
1,4-Dichlorobenzene	< 123	ug/kg	123	393	4		8270	gl	2/2/2002 / 2/6/2002
1-Methylnaphthalene	< 83	ug/kg	83	264	4		8270	gl	2/2/2002 / 2/6/2002
2,4,5-Trichlorophenol	< 203	ug/kg	203	646	4		8270	gl	2/2/2002 / 2/6/2002
2,4,6-Trichlorophenol	< 179	ug/kg	179	569	4		8270	gl	2/2/2002 / 2/6/2002
2,4-Dichlorophenol	< 234	ug/kg	234	745	4		8270	gl	2/2/2002 / 2/6/2002
2,4-Dimethylphenol	< 210	ug/kg	210	669	4		8270	gl	2/2/2002 / 2/6/2002
2,4-Dinitrophenol	< 266	ug/kg	266	845	4		8270	gl	2/2/2002 / 2/6/2002
2,4-Dinitrotoluene	< 97	ug/kg	97	307	4		8270	gl	2/2/2002 / 2/6/2002
2,6-Dinitrotoluene	< 114	ug/kg	114	361	4		8270	gl	2/2/2002 / 2/6/2002
2-Chloronaphthalene	< 95	ug/kg	95	302	4		8270	gl	2/2/2002 / 2/6/2002
2-Chlorophenol	< 242	ug/kg	242	770	4		8270	gl	2/2/2002 / 2/6/2002
2-Methylnaphthalene	< 83	ug/kg	83	264	4		8270	gl	2/2/2002 / 2/6/2002
2-Methylphenol	< 244	ug/kg	244	775	4		8270	gl	2/2/2002 / 2/6/2002
2-Nitroaniline	< 125	ug/kg	125	398	4		8270	gl	2/2/2002 / 2/6/2002
2-Nitrophenol	< 234	ug/kg	234	745	4		8270	gl	2/2/2002 / 2/6/2002
3,3'-Dichlorobenzidine	< 120	ug/kg	120	381	4		8270	gl	2/2/2002 / 2/6/2002
3- + 4-Methylphenol	< 246	ug/kg	246	782	4		8270	gl	2/2/2002 / 2/6/2002
3-Nitroaniline	< 100	ug/kg	100	318	4		8270	gl	2/2/2002 / 2/6/2002
4,6-Dinitro-2-methylphenol	< 185	ug/kg	185	588	4		8270	gl	2/2/2002 / 2/6/2002
4-Bromophenyl phenyl ether	< 102	ug/kg	102	323	4		8270	gl	2/2/2002 / 2/6/2002
4-Chloro-3-methyl phenol	< 209	ug/kg	209	663	4		8270	gl	2/2/2002 / 2/6/2002
4-Chloroaniline	< 128	ug/kg	128	409	4		8270	gl	2/2/2002 / 2/6/2002
4-Chlorophenyl phenyl ether	< 102	ug/kg	102	325	4		8270	gl	2/2/2002 / 2/6/2002
4-Nitroaniline	< 126	ug/kg	126	400	4		8270	gl	2/2/2002 / 2/6/2002
4-Nitrophenol	< 271	ug/kg	271	861	4		8270	gl	2/2/2002 / 2/6/2002
Acenaphthene	< 99	ug/kg	99	314	4		8270	gl	2/2/2002 / 2/6/2002
Acenaphthylene	< 86	ug/kg	86	272	4		8270	gl	2/2/2002 / 2/6/2002
Anthracene	< 79	ug/kg	79	251	4		8270	gl	2/2/2002 / 2/6/2002
Benzo (a) anthracene	< 100	ug/kg	100	318	4		8270	gl	2/2/2002 / 2/6/2002
Benzo (a) pyrene	< 79	ug/kg	79	251	4		8270	gl	2/2/2002 / 2/6/2002
Benzo (b) fluoranthene	< 118	ug/kg	118	375	4		8270	gl	2/2/2002 / 2/6/2002
Benzo (g,h,i) perylene	< 105	ug/kg	105	335	4		8270	gl	2/2/2002 / 2/6/2002
Benzo (k) fluoranthene	< 104	ug/kg	104	330	4		8270	gl	2/2/2002 / 2/6/2002
Benzyl alcohol	< 117	ug/kg	117	374	4		8270	gl	2/2/2002 / 2/6/2002
Bis (2-chloroethoxy) methane	< 119	ug/kg	119	379	4		8270	gl	2/2/2002 / 2/6/2002
Bis (2-chloroethyl) ether	< 124	ug/kg	124	395	4		8270	gl	2/2/2002 / 2/6/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020060**
DATE REPORTED: 11-Feb-02
DATE RECEIVED: 24-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA#212936 Q
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Bis (2-chloroisopropyl) ether	< 84	ug/kg	84	269	4		8270	gl	2/2/2002 / 2/6/2002
Bis (2-ethylhexyl) phthalate	< 119	ug/kg	119	379	4		8270	gl	2/2/2002 / 2/6/2002
Butyl benzyl phthalate	< 116	ug/kg	116	368	4		8270	gl	2/2/2002 / 2/6/2002
Chrysene	< 98	ug/kg	98	311	4		8270	gl	2/2/2002 / 2/6/2002
Di-n-butylphthalate	< 78	ug/kg	78	248	4		8270	gl	2/2/2002 / 2/6/2002
Di-n-octylphthalate	< 83	ug/kg	83	264	4		8270	gl	2/2/2002 / 2/6/2002
Dibenz (a,h) anthracene	< 73	ug/kg	73	232	4		8270	gl	2/2/2002 / 2/6/2002
Dibenzofuran	< 103	ug/kg	103	328	4		8270	gl	2/2/2002 / 2/6/2002
Diethylphthalate	< 109	ug/kg	109	347	4		8270	gl	2/2/2002 / 2/6/2002
Dimethylphthalate	< 97	ug/kg	97	307	4		8270	gl	2/2/2002 / 2/6/2002
Fluoranthene	166	ug/kg	80	255	4	J	8270	gl	2/2/2002 / 2/6/2002
Fluorene	< 112	ug/kg	112	358	4		8270	gl	2/2/2002 / 2/6/2002
Hexachlorobenzene	< 95	ug/kg	95	304	4		8270	gl	2/2/2002 / 2/6/2002
Hexachlorobutadiene	< 77	ug/kg	77	244	4		8270	gl	2/2/2002 / 2/6/2002
Hexachlorocyclopentadiene	< 110	ug/kg	110	351	4		8270	gl	2/2/2002 / 2/6/2002
Hexachloroethane	< 112	ug/kg	112	358	4		8270	gl	2/2/2002 / 2/6/2002
Indeno (1,2,3-cd) pyrene	< 147	ug/kg	147	466	4		8270	gl	2/2/2002 / 2/6/2002
Isophorone	< 91	ug/kg	91	288	4		8270	gl	2/2/2002 / 2/6/2002
N-Nitrosodi-n-propylamine	< 135	ug/kg	135	429	4		8270	gl	2/2/2002 / 2/6/2002
N-Nitrosodimethylamine	< 132	ug/kg	132	419	4		8270	gl	2/2/2002 / 2/6/2002
N-Nitrosodiphenylamine	< 87	ug/kg	87	276	4		8270	gl	2/2/2002 / 2/6/2002
Naphthalene	< 111	ug/kg	111	354	4		8270	gl	2/2/2002 / 2/6/2002
Nitrobenzene	< 98	ug/kg	98	311	4		8270	gl	2/2/2002 / 2/6/2002
Pentachlorophenol	< 183	ug/kg	183	583	4		8270	gl	2/2/2002 / 2/6/2002
Phenanthrene	< 98	ug/kg	98	311	4		8270	gl	2/2/2002 / 2/6/2002
Phenol	< 271	ug/kg	271	862	4		8270	gl	2/2/2002 / 2/6/2002
Pyrene	194	ug/kg	91	290	4	J	8270	gl	2/2/2002 / 2/6/2002

Sample Number: 27312
Client ID: SB-10

QC Prep Batch Number: 999686
% Solid = 64.8 %

Collection: 1/22/2002 Time: 12:20
Sample Description: 10-12'

1,2,4-Trichlorobenzene	< 88	ug/kg	88	279	4		8270	gl	2/2/2002 / 2/6/2002
1,2-Dichlorobenzene	< 138	ug/kg	138	438	4		8270	gl	2/2/2002 / 2/6/2002
1,3-Dichlorobenzene	< 138	ug/kg	138	440	4		8270	gl	2/2/2002 / 2/6/2002
1,4-Dichlorobenzene	< 139	ug/kg	139	442	4		8270	gl	2/2/2002 / 2/6/2002
1-Methylnaphthalene	< 93	ug/kg	93	297	4		8270	gl	2/2/2002 / 2/6/2002
2,4,5-Trichlorophenol	< 228	ug/kg	228	727	4		8270	gl	2/2/2002 / 2/6/2002
2,4,6-Trichlorophenol	< 201	ug/kg	201	640	4		8270	gl	2/2/2002 / 2/6/2002
2,4-Dichlorophenol	< 264	ug/kg	264	839	4		8270	gl	2/2/2002 / 2/6/2002
2,4-Dimethylphenol	< 236	ug/kg	236	752	4		8270	gl	2/2/2002 / 2/6/2002
2,4-Dinitrophenol	< 299	ug/kg	299	951	4		8270	gl	2/2/2002 / 2/6/2002
2,4-Dinitrotoluene	< 109	ug/kg	109	346	4		8270	gl	2/2/2002 / 2/6/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020060
DATE REPORTED: 11-Feb-02
DATE RECEIVED: 24-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA#212936 Q
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
2,6-Dinitrotoluene	< 128	ug/kg	128	407	4		8270	gl	2/2/2002 / 2/6/2002
2-Chloronaphthalene	< 107	ug/kg	107	340	4		8270	gl	2/2/2002 / 2/6/2002
2-Chlorophenol	< 272	ug/kg	272	866	4		8270	gl	2/2/2002 / 2/6/2002
2-Methylnaphthalene	< 93	ug/kg	93	297	4		8270	gl	2/2/2002 / 2/6/2002
2-Methylphenol	< 274	ug/kg	274	872	4		8270	gl	2/2/2002 / 2/6/2002
2-Nitroaniline	< 141	ug/kg	141	448	4		8270	gl	2/2/2002 / 2/6/2002
2-Nitrophenol	< 264	ug/kg	264	839	4		8270	gl	2/2/2002 / 2/6/2002
3,3'-Dichlorobenzidine	< 135	ug/kg	135	428	4		8270	gl	2/2/2002 / 2/6/2002
3- + 4-Methylphenol	< 277	ug/kg	277	880	4		8270	gl	2/2/2002 / 2/6/2002
3-Nitroaniline	< 112	ug/kg	112	357	4		8270	gl	2/2/2002 / 2/6/2002
4,6-Dinitro-2-methylphenol	< 208	ug/kg	208	662	4		8270	gl	2/2/2002 / 2/6/2002
4-Bromophenyl phenyl ether	< 114	ug/kg	114	363	4		8270	gl	2/2/2002 / 2/6/2002
4-Chloro-3-methyl phenol	< 235	ug/kg	235	746	4		8270	gl	2/2/2002 / 2/6/2002
4-Chloroaniline	< 144	ug/kg	144	460	4		8270	gl	2/2/2002 / 2/6/2002
4-Chlorophenyl phenyl ether	< 115	ug/kg	115	365	4		8270	gl	2/2/2002 / 2/6/2002
4-Nitroaniline	< 141	ug/kg	141	450	4		8270	gl	2/2/2002 / 2/6/2002
4-Nitrophenol	< 304	ug/kg	304	968	4		8270	gl	2/2/2002 / 2/6/2002
Acenaphthene	< 111	ug/kg	111	354	4		8270	gl	2/2/2002 / 2/6/2002
Acenaphthylene	< 96	ug/kg	96	306	4		8270	gl	2/2/2002 / 2/6/2002
Anthracene	< 89	ug/kg	89	283	4		8270	gl	2/2/2002 / 2/6/2002
Benzo (a) anthracene	< 112	ug/kg	112	357	4		8270	gl	2/2/2002 / 2/6/2002
Benzo (a) pyrene	< 89	ug/kg	89	283	4		8270	gl	2/2/2002 / 2/6/2002
Benzo (b) fluoranthene	< 133	ug/kg	133	422	4		8270	gl	2/2/2002 / 2/6/2002
Benzo (g,h,i) perylene	< 119	ug/kg	119	377	4		8270	gl	2/2/2002 / 2/6/2002
Benzo (k) fluoranthene	< 117	ug/kg	117	371	4		8270	gl	2/2/2002 / 2/6/2002
Benzyl alcohol	< 132	ug/kg	132	420	4		8270	gl	2/2/2002 / 2/6/2002
Bis (2-chloroethoxy) methane	< 134	ug/kg	134	426	4		8270	gl	2/2/2002 / 2/6/2002
Bis (2-chloroethyl) ether	< 140	ug/kg	140	444	4		8270	gl	2/2/2002 / 2/6/2002
Bis (2-chloroisopropyl) ether	< 95	ug/kg	95	302	4		8270	gl	2/2/2002 / 2/6/2002
Bis (2-ethylhexyl) phthalate	< 134	ug/kg	134	426	4		8270	gl	2/2/2002 / 2/6/2002
Butyl benzyl phthalate	< 130	ug/kg	130	414	4		8270	gl	2/2/2002 / 2/6/2002
Chrysene	< 110	ug/kg	110	350	4		8270	gl	2/2/2002 / 2/6/2002
Di-n-butylphthalate	< 88	ug/kg	88	279	4		8270	gl	2/2/2002 / 2/6/2002
Di-n-octylphthalate	< 93	ug/kg	93	297	4		8270	gl	2/2/2002 / 2/6/2002
Dibenz (a,h) anthracene	< 82	ug/kg	82	261	4		8270	gl	2/2/2002 / 2/6/2002
Dibenzofuran	< 116	ug/kg	116	369	4		8270	gl	2/2/2002 / 2/6/2002
Diethylphthalate	< 123	ug/kg	123	391	4		8270	gl	2/2/2002 / 2/6/2002
Dimethylphthalate	< 109	ug/kg	109	346	4		8270	gl	2/2/2002 / 2/6/2002
Fluoranthene	< 90	ug/kg	90	287	4		8270	gl	2/2/2002 / 2/6/2002
Fluorene	< 127	ug/kg	127	403	4		8270	gl	2/2/2002 / 2/6/2002
Hexachlorobenzene	< 107	ug/kg	107	342	4		8270	gl	2/2/2002 / 2/6/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020060**
DATE REPORTED: 11-Feb-02
DATE RECEIVED: 24-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA#212936 Q
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Hexachlorobutadiene	< 86	ug/kg	86	275	4		8270	gl	2/2/2002 / 2/6/2002
Hexachlorocyclopentadiene	< 124	ug/kg	124	395	4		8270	gl	2/2/2002 / 2/6/2002
Hexachloroethane	< 127	ug/kg	127	403	4		8270	gl	2/2/2002 / 2/6/2002
Indeno (1,2,3-cd) pyrene	< 165	ug/kg	165	524	4		8270	gl	2/2/2002 / 2/6/2002
Isophorone	< 102	ug/kg	102	324	4		8270	gl	2/2/2002 / 2/6/2002
N-Nitrosodi-n-propylamine	< 152	ug/kg	152	483	4		8270	gl	2/2/2002 / 2/6/2002
N-Nitrosodimethylamine	< 148	ug/kg	148	471	4		8270	gl	2/2/2002 / 2/6/2002
N-Nitrosodiphenylamine	< 98	ug/kg	98	310	4		8270	gl	2/2/2002 / 2/6/2002
Naphthalene	< 125	ug/kg	125	399	4		8270	gl	2/2/2002 / 2/6/2002
Nitrobenzene	< 110	ug/kg	110	350	4		8270	gl	2/2/2002 / 2/6/2002
Pentachlorophenol	< 206	ug/kg	206	656	4		8270	gl	2/2/2002 / 2/6/2002
Phenanthrene	< 110	ug/kg	110	350	4		8270	gl	2/2/2002 / 2/6/2002
Phenol	< 305	ug/kg	305	970	4		8270	gl	2/2/2002 / 2/6/2002
Pyrene	< 102	ug/kg	102	326	4		8270	gl	2/2/2002 / 2/6/2002

Sample Number: 27313 — QC Prep Batch Number: 999686 — Collection: 1/22/2002 — Time: 14:59
Client ID: SB-11 — % Solid = 72.4 % — Sample Description: 4-6

1,2,4-Trichlorobenzene	< 78	ug/kg	78	250	4		8270	gl	2/2/2002 / 2/7/2002
1,2-Dichlorobenzene	< 123	ug/kg	123	392	4		8270	gl	2/2/2002 / 2/7/2002
1,3-Dichlorobenzene	< 124	ug/kg	124	394	4		8270	gl	2/2/2002 / 2/7/2002
1,4-Dichlorobenzene	< 124	ug/kg	124	396	4		8270	gl	2/2/2002 / 2/7/2002
1-Methylnaphthalene	< 83	ug/kg	83	265	4		8270	gl	2/2/2002 / 2/7/2002
2,4,5-Trichlorophenol	< 204	ug/kg	204	650	4		8270	gl	2/2/2002 / 2/7/2002
2,4,6-Trichlorophenol	< 180	ug/kg	180	573	4		8270	gl	2/2/2002 / 2/7/2002
2,4-Dichlorophenol	< 236	ug/kg	236	751	4		8270	gl	2/2/2002 / 2/7/2002
2,4-Dimethylphenol	< 212	ug/kg	212	673	4		8270	gl	2/2/2002 / 2/7/2002
2,4-Dinitrophenol	< 267	ug/kg	267	851	4		8270	gl	2/2/2002 / 2/7/2002
2,4-Dinitrotoluene	< 97	ug/kg	97	309	4		8270	gl	2/2/2002 / 2/7/2002
2,6-Dinitrotoluene	< 114	ug/kg	114	364	4		8270	gl	2/2/2002 / 2/7/2002
2-Chloronaphthalene	< 96	ug/kg	96	304	4		8270	gl	2/2/2002 / 2/7/2002
2-Chlorophenol	< 244	ug/kg	244	775	4		8270	gl	2/2/2002 / 2/7/2002
2-Methylnaphthalene	< 83	ug/kg	83	265	4		8270	gl	2/2/2002 / 2/7/2002
2-Methylphenol	< 245	ug/kg	245	780	4		8270	gl	2/2/2002 / 2/7/2002
2-Nitroaniline	< 126	ug/kg	126	401	4		8270	gl	2/2/2002 / 2/7/2002
2-Nitrophenol	< 236	ug/kg	236	751	4		8270	gl	2/2/2002 / 2/7/2002
3,3'-Dichlorobenzidine	< 120	ug/kg	120	383	4		8270	gl	2/2/2002 / 2/7/2002
3- + 4-Methylphenol	< 248	ug/kg	248	788	4		8270	gl	2/2/2002 / 2/7/2002
3-Nitroaniline	< 101	ug/kg	101	320	4		8270	gl	2/2/2002 / 2/7/2002
4,6-Dinitro-2-methylphenol	< 186	ug/kg	186	592	4		8270	gl	2/2/2002 / 2/7/2002
4-Bromophenyl phenyl ether	< 102	ug/kg	102	325	4		8270	gl	2/2/2002 / 2/7/2002
4-Chloro-3-methyl phenol	< 210	ug/kg	210	668	4		8270	gl	2/2/2002 / 2/7/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020060**
DATE REPORTED: 11-Feb-02
DATE RECEIVED: 24-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA#212936 Q
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
4-Chloroaniline	< 129	ug/kg	129	411	4		8270	gl	2/2/2002 / 2/7/2002
4-Chlorophenyl phenyl ether	< 103	ug/kg	103	327	4		8270	gl	2/2/2002 / 2/7/2002
4-Nitroaniline	< 127	ug/kg	127	403	4		8270	gl	2/2/2002 / 2/7/2002
4-Nitrophenol	< 272	ug/kg	272	867	4		8270	gl	2/2/2002 / 2/7/2002
Acenaphthene	< 99	ug/kg	99	316	4		8270	gl	2/2/2002 / 2/7/2002
Acenaphthylene	< 86	ug/kg	86	274	4		8270	gl	2/2/2002 / 2/7/2002
Anthracene	< 80	ug/kg	80	253	4		8270	gl	2/2/2002 / 2/7/2002
Benzo (a) anthracene	< 101	ug/kg	101	320	4		8270	gl	2/2/2002 / 2/7/2002
Benzo (a) pyrene	< 80	ug/kg	80	253	4		8270	gl	2/2/2002 / 2/7/2002
Benzo (b) fluoranthene	< 119	ug/kg	119	378	4		8270	gl	2/2/2002 / 2/7/2002
Benzo (g,h,i) perylene	< 106	ug/kg	106	338	4		8270	gl	2/2/2002 / 2/7/2002
Benzo (k) fluoranthene	< 104	ug/kg	104	332	4		8270	gl	2/2/2002 / 2/7/2002
Benzyl alcohol	< 118	ug/kg	118	376	4		8270	gl	2/2/2002 / 2/7/2002
Bis (2-chloroethoxy) methane	< 120	ug/kg	120	381	4		8270	gl	2/2/2002 / 2/7/2002
Bis (2-chloroethyl) ether	< 125	ug/kg	125	397	4		8270	gl	2/2/2002 / 2/7/2002
Bis (2-chloroisopropyl) ether	< 85	ug/kg	85	271	4		8270	gl	2/2/2002 / 2/7/2002
Bis (2-ethylhexyl) phthalate	< 120	ug/kg	120	381	4		8270	gl	2/2/2002 / 2/7/2002
Butyl benzyl phthalate	< 117	ug/kg	117	371	4		8270	gl	2/2/2002 / 2/7/2002
Chrysene	< 98	ug/kg	98	313	4		8270	gl	2/2/2002 / 2/7/2002
Di-n-butylphthalate	< 78	ug/kg	78	250	4		8270	gl	2/2/2002 / 2/7/2002
Di-n-octylphthalate	< 83	ug/kg	83	265	4		8270	gl	2/2/2002 / 2/7/2002
Dibenz (a,h) anthracene	< 73	ug/kg	73	234	4		8270	gl	2/2/2002 / 2/7/2002
Dibenzofuran	< 104	ug/kg	104	330	4		8270	gl	2/2/2002 / 2/7/2002
Diethylphthalate	< 110	ug/kg	110	350	4		8270	gl	2/2/2002 / 2/7/2002
Dimethylphthalate	< 97	ug/kg	97	309	4		8270	gl	2/2/2002 / 2/7/2002
Fluoranthene	112	ug/kg	81	257	4	J	8270	gl	2/2/2002 / 2/7/2002
Fluorene	< 113	ug/kg	113	360	4		8270	gl	2/2/2002 / 2/7/2002
Hexachlorobenzene	< 96	ug/kg	96	306	4		8270	gl	2/2/2002 / 2/7/2002
Hexachlorobutadiene	< 77	ug/kg	77	246	4		8270	gl	2/2/2002 / 2/7/2002
Hexachlorocyclopentadiene	< 111	ug/kg	111	353	4		8270	gl	2/2/2002 / 2/7/2002
Hexachloroethane	< 113	ug/kg	113	360	4		8270	gl	2/2/2002 / 2/7/2002
Indeno (1,2,3-cd) pyrene	< 148	ug/kg	148	469	4		8270	gl	2/2/2002 / 2/7/2002
Isophorone	< 91	ug/kg	91	290	4		8270	gl	2/2/2002 / 2/7/2002
N-Nitrosodi-n-propylamine	< 136	ug/kg	136	432	4		8270	gl	2/2/2002 / 2/7/2002
N-Nitrosodimethylamine	< 133	ug/kg	133	422	4		8270	gl	2/2/2002 / 2/7/2002
N-Nitrosodiphenylamine	< 87	ug/kg	87	278	4		8270	gl	2/2/2002 / 2/7/2002
Naphthalene	< 112	ug/kg	112	357	4		8270	gl	2/2/2002 / 2/7/2002
Nitrobenzene	< 98	ug/kg	98	313	4		8270	gl	2/2/2002 / 2/7/2002
Pentachlorophenol	< 185	ug/kg	185	587	4		8270	gl	2/2/2002 / 2/7/2002
Phenanthrene	< 98	ug/kg	98	313	4		8270	gl	2/2/2002 / 2/7/2002
Phenol	< 273	ug/kg	273	868	4		8270	gl	2/2/2002 / 2/7/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020060
DATE REPORTED: 11-Feb-02
DATE RECEIVED: 24-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA#212936 Q
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Pyrene	116	ug/kg	92	292	4	J	8270	gl	2/2/2002 / 2/7/2002

Sample Number: 27314
Client ID: SB-12

QC Prep Batch Number: 999686
% Solid = 78.2 %

Collection: 1/22/2002 Time: 17:06
Sample Description: 8-10'

1,2,4-Trichlorobenzene	< 36	ug/kg	36	116	2		8270	qh	2/2/2002 / 2/7/2002
1,2-Dichlorobenzene	< 57	ug/kg	57	181	2		8270	qh	2/2/2002 / 2/7/2002
1,3-Dichlorobenzene	< 57	ug/kg	57	182	2		8270	qh	2/2/2002 / 2/7/2002
1,4-Dichlorobenzene	< 58	ug/kg	58	183	2		8270	qh	2/2/2002 / 2/7/2002
1-Methylnaphthalene	144	ug/kg	39	123	2		8270	qh	2/2/2002 / 2/7/2002
2,4,5-Trichlorophenol	< 95	ug/kg	95	301	2		8270	qh	2/2/2002 / 2/7/2002
2,4,6-Trichlorophenol	< 83	ug/kg	83	265	2		8270	qh	2/2/2002 / 2/7/2002
2,4-Dichlorophenol	< 109	ug/kg	109	347	2		8270	qh	2/2/2002 / 2/7/2002
2,4-Dimethylphenol	< 98	ug/kg	98	312	2		8270	qh	2/2/2002 / 2/7/2002
2,4-Dinitrophenol	< 124	ug/kg	124	394	2		8270	qh	2/2/2002 / 2/7/2002
2,4-Dinitrotoluene	< 45	ug/kg	45	143	2		8270	qh	2/2/2002 / 2/7/2002
2,6-Dinitrotoluene	< 53	ug/kg	53	168	2		8270	qh	2/2/2002 / 2/7/2002
2-Chloronaphthalene	< 44	ug/kg	44	141	2		8270	qh	2/2/2002 / 2/7/2002
2-Chlorophenol	< 113	ug/kg	113	359	2		8270	qh	2/2/2002 / 2/7/2002
2-Methylnaphthalene	56	ug/kg	39	123	2	J	8270	qh	2/2/2002 / 2/7/2002
2-Methylphenol	< 114	ug/kg	114	361	2		8270	qh	2/2/2002 / 2/7/2002
2-Nitroaniline	< 58	ug/kg	58	186	2		8270	qh	2/2/2002 / 2/7/2002
2-Nitrophenol	< 109	ug/kg	109	347	2		8270	qh	2/2/2002 / 2/7/2002
3,3'-Dichlorobenzidine	< 56	ug/kg	56	177	2		8270	qh	2/2/2002 / 2/7/2002
3- + 4-Methylphenol	< 115	ug/kg	115	365	2		8270	qh	2/2/2002 / 2/7/2002
3-Nitroaniline	< 47	ug/kg	47	148	2		8270	qh	2/2/2002 / 2/7/2002
4,6-Dinitro-2-methylphenol	< 86	ug/kg	86	274	2		8270	qh	2/2/2002 / 2/7/2002
4-Bromophenyl phenyl ether	< 47	ug/kg	47	151	2		8270	qh	2/2/2002 / 2/7/2002
4-Chloro-3-methyl phenol	< 97	ug/kg	97	309	2		8270	qh	2/2/2002 / 2/7/2002
4-Chloroaniline	< 60	ug/kg	60	190	2		8270	qh	2/2/2002 / 2/7/2002
4-Chlorophenyl phenyl ether	< 48	ug/kg	48	151	2		8270	qh	2/2/2002 / 2/7/2002
4-Nitroaniline	< 59	ug/kg	59	186	2		8270	qh	2/2/2002 / 2/7/2002
4-Nitrophenol	< 126	ug/kg	126	401	2		8270	qh	2/2/2002 / 2/7/2002
Acenaphthene	< 46	ug/kg	46	146	2		8270	qh	2/2/2002 / 2/7/2002
Acenaphthylene	< 40	ug/kg	40	127	2		8270	qh	2/2/2002 / 2/7/2002
Anthracene	< 37	ug/kg	37	117	2		8270	qh	2/2/2002 / 2/7/2002
Benzo (a) anthracene	< 47	ug/kg	47	148	2		8270	qh	2/2/2002 / 2/7/2002
Benzo (a) pyrene	< 37	ug/kg	37	117	2		8270	qh	2/2/2002 / 2/7/2002
Benzo (b) fluoranthene	< 55	ug/kg	55	175	2		8270	qh	2/2/2002 / 2/7/2002
Benzo (g,h,i) perylene	< 49	ug/kg	49	156	2		8270	qh	2/2/2002 / 2/7/2002
Benzo (k) fluoranthene	< 48	ug/kg	48	154	2		8270	qh	2/2/2002 / 2/7/2002
Benzyl alcohol	< 55	ug/kg	55	174	2		8270	qh	2/2/2002 / 2/7/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020060**
DATE REPORTED: 11-Feb-02
DATE RECEIVED: 24-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA#212936 Q
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Bis (2-chloroethoxy) methane	< 55	ug/kg	55	177	2		8270	qh	2/2/2002 / 2/7/2002
Bis (2-chloroethyl) ether	< 58	ug/kg	58	184	2		8270	qh	2/2/2002 / 2/7/2002
Bis (2-chloroisopropyl) ether	< 39	ug/kg	39	125	2		8270	qh	2/2/2002 / 2/7/2002
Bis (2-ethylhexyl) phthalate	< 55	ug/kg	55	177	2		8270	qh	2/2/2002 / 2/7/2002
Butyl benzyl phthalate	< 54	ug/kg	54	172	2		8270	qh	2/2/2002 / 2/7/2002
Chrysene	< 46	ug/kg	46	145	2		8270	qh	2/2/2002 / 2/7/2002
Di-n-butylphthalate	< 36	ug/kg	36	116	2		8270	qh	2/2/2002 / 2/7/2002
Di-n-octylphthalate	< 39	ug/kg	39	123	2		8270	qh	2/2/2002 / 2/7/2002
Dibenz (a,h) anthracene	< 34	ug/kg	34	108	2		8270	qh	2/2/2002 / 2/7/2002
Dibenzofuran	< 48	ug/kg	48	153	2		8270	qh	2/2/2002 / 2/7/2002
Diethylphthalate	< 51	ug/kg	51	162	2		8270	qh	2/2/2002 / 2/7/2002
Dimethylphthalate	< 45	ug/kg	45	143	2		8270	qh	2/2/2002 / 2/7/2002
Fluoranthene	< 37	ug/kg	37	119	2		8270	qh	2/2/2002 / 2/7/2002
Fluorene	< 52	ug/kg	52	167	2		8270	qh	2/2/2002 / 2/7/2002
Hexachlorobenzene	< 45	ug/kg	45	142	2		8270	qh	2/2/2002 / 2/7/2002
Hexachlorobutadiene	< 36	ug/kg	36	114	2		8270	qh	2/2/2002 / 2/7/2002
Hexachlorocyclopentadiene	< 51	ug/kg	51	164	2		8270	qh	2/2/2002 / 2/7/2002
Hexachloroethane	< 52	ug/kg	52	167	2		8270	qh	2/2/2002 / 2/7/2002
Indeno (1,2,3-cd) pyrene	< 68	ug/kg	68	217	2		8270	qh	2/2/2002 / 2/7/2002
Isophorone	< 42	ug/kg	42	134	2		8270	qh	2/2/2002 / 2/7/2002
N-Nitrosodi-n-propylamine	< 63	ug/kg	63	200	2		8270	qh	2/2/2002 / 2/7/2002
N-Nitrosodimethylamine	< 61	ug/kg	61	195	2		8270	qh	2/2/2002 / 2/7/2002
N-Nitrosodiphenylamine	< 40	ug/kg	40	129	2		8270	qh	2/2/2002 / 2/7/2002
Naphthalene	< 52	ug/kg	52	165	2		8270	qh	2/2/2002 / 2/7/2002
Nitrobenzene	< 46	ug/kg	46	145	2		8270	qh	2/2/2002 / 2/7/2002
Pentachlorophenol	< 85	ug/kg	85	272	2		8270	qh	2/2/2002 / 2/7/2002
Phenanthrene	< 46	ug/kg	46	145	2		8270	qh	2/2/2002 / 2/7/2002
Phenol	< 126	ug/kg	126	402	2		8270	qh	2/2/2002 / 2/7/2002
Pyrene	< 42	ug/kg	42	135	2		8270	qh	2/2/2002 / 2/7/2002

Sample Number: 27315
Client ID: SB-13

QC Prep Batch Number: 999686
% Solid = 80.9 %

Collection: 1/23/2002 Time: 08:49
Sample Description: 2-4'

1,2,4-Trichlorobenzene	< 176	ug/kg	176	558	10		8270	gl	2/2/2002 / 2/7/2002
1,2-Dichlorobenzene	< 276	ug/kg	276	877	10		8270	gl	2/2/2002 / 2/7/2002
1,3-Dichlorobenzene	< 277	ug/kg	277	881	10		8270	gl	2/2/2002 / 2/7/2002
1,4-Dichlorobenzene	< 278	ug/kg	278	885	10		8270	gl	2/2/2002 / 2/7/2002
1-Methylnaphthalene	280	ug/kg	187	594	10	J	8270	gl	2/2/2002 / 2/7/2002
2,4,5-Trichlorophenol	< 457	ug/kg	457	1460	10		8270	gl	2/2/2002 / 2/7/2002
2,4,6-Trichlorophenol	< 403	ug/kg	403	1280	10		8270	gl	2/2/2002 / 2/7/2002
2,4-Dichlorophenol	< 528	ug/kg	528	1680	10		8270	gl	2/2/2002 / 2/7/2002
2,4-Dimethylphenol	< 473	ug/kg	473	1510	10		8270	gl	2/2/2002 / 2/7/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020060**
DATE REPORTED: 11-Feb-02
DATE RECEIVED: 24-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA#212936 Q
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
2,4-Dinitrophenol	< 598	ug/kg	598	1900	10		8270	gl	2/2/2002 / 2/7/2002
2,4-Dinitrotoluene	< 218	ug/kg	218	692	10		8270	gl	2/2/2002 / 2/7/2002
2,6-Dinitrotoluene	< 256	ug/kg	256	814	10		8270	gl	2/2/2002 / 2/7/2002
2-Chloronaphthalene	< 214	ug/kg	214	680	10		8270	gl	2/2/2002 / 2/7/2002
2-Chlorophenol	< 545	ug/kg	545	1730	10		8270	gl	2/2/2002 / 2/7/2002
2-Methylnaphthalene	222	ug/kg	187	594	10	J	8270	gl	2/2/2002 / 2/7/2002
2-Methylphenol	< 549	ug/kg	549	1750	10		8270	gl	2/2/2002 / 2/7/2002
2-Nitroaniline	< 282	ug/kg	282	897	10		8270	gl	2/2/2002 / 2/7/2002
2-Nitrophenol	< 528	ug/kg	528	1680	10		8270	gl	2/2/2002 / 2/7/2002
3,3'-Dichlorobenzidine	< 269	ug/kg	269	857	10		8270	gl	2/2/2002 / 2/7/2002
3- + 4-Methylphenol	< 554	ug/kg	554	1760	10		8270	gl	2/2/2002 / 2/7/2002
3-Nitroaniline	< 225	ug/kg	225	716	10		8270	gl	2/2/2002 / 2/7/2002
4,6-Dinitro-2-methylphenol	< 417	ug/kg	417	1330	10		8270	gl	2/2/2002 / 2/7/2002
4-Bromophenyl phenyl ether	< 229	ug/kg	229	728	10		8270	gl	2/2/2002 / 2/7/2002
4-Chloro-3-methyl phenol	< 470	ug/kg	470	1490	10		8270	gl	2/2/2002 / 2/7/2002
4-Chloroaniline	< 289	ug/kg	289	920	10		8270	gl	2/2/2002 / 2/7/2002
4-Chlorophenyl phenyl ether	< 230	ug/kg	230	732	10		8270	gl	2/2/2002 / 2/7/2002
4-Nitroaniline	< 283	ug/kg	283	901	10		8270	gl	2/2/2002 / 2/7/2002
4-Nitrophenol	< 609	ug/kg	609	1940	10		8270	gl	2/2/2002 / 2/7/2002
Acenaphthene	565	ug/kg	222	708	10	J	8270	gl	2/2/2002 / 2/7/2002
Acenaphthylene	206	ug/kg	193	614	10	J	8270	gl	2/2/2002 / 2/7/2002
Anthracene	2340	ug/kg	178	566	10		8270	gl	2/2/2002 / 2/7/2002
Benzo (a) anthracene	5030	ug/kg	225	716	10		8270	gl	2/2/2002 / 2/7/2002
Benzo (a) pyrene	4010	ug/kg	178	566	10		8270	gl	2/2/2002 / 2/7/2002
Benzo (b) fluoranthene	< 266	ug/kg	266	846	10		8270	gl	2/2/2002 / 2/7/2002
Benzo (g,h,i) perylene	< 237	ug/kg	237	755	10		8270	gl	2/2/2002 / 2/7/2002
Benzo (k) fluoranthene	3190	ug/kg	234	743	10		8270	gl	2/2/2002 / 2/7/2002
Benzyl alcohol	< 265	ug/kg	265	842	10		8270	gl	2/2/2002 / 2/7/2002
Bis (2-chloroethoxy) methane	< 268	ug/kg	268	853	10		8270	gl	2/2/2002 / 2/7/2002
Bis (2-chloroethyl) ether	< 279	ug/kg	279	889	10		8270	gl	2/2/2002 / 2/7/2002
Bis (2-chloroisopropyl) ether	< 190	ug/kg	190	606	10		8270	gl	2/2/2002 / 2/7/2002
Bis (2-ethylhexyl) phthalate	< 268	ug/kg	268	853	10		8270	gl	2/2/2002 / 2/7/2002
Butyl benzyl phthalate	< 261	ug/kg	261	830	10		8270	gl	2/2/2002 / 2/7/2002
Chrysene	3800	ug/kg	220	700	10		8270	gl	2/2/2002 / 2/7/2002
Di-n-butylphthalate	< 176	ug/kg	176	558	10		8270	gl	2/2/2002 / 2/7/2002
Di-n-octylphthalate	< 187	ug/kg	187	594	10		8270	gl	2/2/2002 / 2/7/2002
Dibenz (a,h) anthracene	< 164	ug/kg	164	523	10		8270	gl	2/2/2002 / 2/7/2002
Dibenzofuran	540	ug/kg	232	739	10	J	8270	gl	2/2/2002 / 2/7/2002
Diethylphthalate	< 246	ug/kg	246	783	10		8270	gl	2/2/2002 / 2/7/2002
Dimethylphthalate	< 218	ug/kg	218	692	10		8270	gl	2/2/2002 / 2/7/2002
Fluoranthene	9870	ug/kg	180	574	10		8270	gl	2/2/2002 / 2/7/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020060**
DATE REPORTED: 11-Feb-02
DATE RECEIVED: 24-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA#212936 Q
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Fluorene	1050	**ug/kg**	253	806	10		8270	gl	2/2/2002 / 2/7/2002
Hexachlorobenzene	< 215	**ug/kg**	215	684	10		8270	gl	2/2/2002 / 2/7/2002
Hexachlorobutadiene	< 173	**ug/kg**	173	551	10		8270	gl	2/2/2002 / 2/7/2002
Hexachlorocyclopentadiene	< 248	**ug/kg**	248	791	10		8270	gl	2/2/2002 / 2/7/2002
Hexachloroethane	< 253	**ug/kg**	253	806	10		8270	gl	2/2/2002 / 2/7/2002
Indeno (1,2,3-cd) pyrene	4010	**ug/kg**	330	1050	10		8270	gl	2/2/2002 / 2/7/2002
Isophorone	< 204	**ug/kg**	204	649	10		8270	gl	2/2/2002 / 2/7/2002
N-Nitrosodi-n-propylamine	< 304	**ug/kg**	304	967	10		8270	gl	2/2/2002 / 2/7/2002
N-Nitrosodimethylamine	< 297	**ug/kg**	297	944	10		8270	gl	2/2/2002 / 2/7/2002
N-Nitrosodiphenylamine	< 195	**ug/kg**	195	621	10		8270	gl	2/2/2002 / 2/7/2002
Naphthalene	< 251	**ug/kg**	251	798	10		8270	gl	2/2/2002 / 2/7/2002
Nitrobenzene	< 220	**ug/kg**	220	700	10		8270	gl	2/2/2002 / 2/7/2002
Pentachlorophenol	< 413	**ug/kg**	413	1310	10		8270	gl	2/2/2002 / 2/7/2002
Phenanthrene	8550	**ug/kg**	220	700	10		8270	gl	2/2/2002 / 2/7/2002
Phenol	< 611	**ug/kg**	611	1940	10		8270	gl	2/2/2002 / 2/7/2002
Pyrene	8870	**ug/kg**	205	653	10		8270	gl	2/2/2002 / 2/7/2002

Approved By: _____ **Date:** 2/11/02
James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range .
LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
RQ : Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20020060
DATE REPORTED: 12-Feb-02
DATE RECEIVED: 24-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA#212936 Q
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Sample Number: 27311	Matrix: Soil							Collection: 1/22/2002	Time: 11:35	
Client ID: **SB-10**								Sample Description: 4-6'		
Arsenic - ICAP	**20**	**mg/kg**	**DB**	2.88	9.2	6010	ez	2/1/2002	*999596*	
Cadmium - ICAP	**<0.48**	**mg/kg**	**DB**	0.48	1.5	6010	ez	2/1/2002	*999596*	
Chromium, Total - ICAP	**18**	**mg/kg**	**DB**	0.55	1.7	6010	ez	2/1/2002	*999596*	
Copper- ICAP	**15**	**mg/kg**	**DB**	0.41	1.3	6010	ez	2/1/2002	*999596*	
Iron - ICAP	**15800**	**mg/kg**	**DB**	5.56	18	6010	ez	2/1/2002	*999596*	
Lead - ICAP	**20**	**mg/kg**	**DB**	3.36	11	6010	ez	2/1/2002	*999596*	
Nickel - ICAP	**15**	**mg/kg**	**DB**	0.75	2.4	6010	ez	2/1/2002	*999596*	
Zinc - ICAP	**49**	**mg/kg**	**DB**	0.96	3.1	6010	ez	2/1/2002	*999596*	
Solids, Total Percent	**73**	**%**	**# RJ**			SM 2540	lu	1/31/2002	*999587*	
Sample Number: 27312	Matrix: Soil							Collection: 1/22/2002	Time: 12:20	
Client ID: **SB-10**								Sample Description: 10-12'		
Arsenic - ICAP	**11**	**mg/kg**	**DB**	2.24	7.1	6010	ez	2/1/2002	*999596*	
Cadmium - ICAP	**<0.54**	**mg/kg**	**DB**	0.54	1.7	6010	ez	2/1/2002	*999596*	
Chromium, Total - ICAP	**17**	**mg/kg**	**DB**	0.62	2.0	6010	ez	2/1/2002	*999596*	
Copper- ICAP	**10**	**mg/kg**	**DB**	0.46	1.5	6010	ez	2/1/2002	*999596*	
Iron - ICAP	**14000**	**mg/kg**	**DB**	6.25	20	6010	ez	2/1/2002	*999596*	
Lead - ICAP	**20**	**mg/kg**	**DB**	3.78	12	6010	ez	2/1/2002	*999596*	
Nickel - ICAP	**13**	**mg/kg**	**DB**	0.85	2.7	6010	ez	2/1/2002	*999596*	
Zinc - ICAP	**47**	**mg/kg**	**DB**	1.08	3.4	6010	ez	2/1/2002	*999596*	
Solids, Total Percent	**65**	**%**	**# RJ**			SM 2540	lu	1/31/2002	*999587*	
Sample Number: 27313	Matrix: Soil							Collection: 1/22/2002	Time: 14:59	
Client ID: **SB-11**								Sample Description: 4-6		
Arsenic - ICAP	**36**	**mg/kg**	**DB**	2.9	9.2	6010	ez	2/1/2002	*999596*	
Cadmium - ICAP	**<0.48**	**mg/kg**	**DB**	0.48	1.5	6010	ez	2/1/2002	*999596*	
Chromium, Total - ICAP	**17**	**mg/kg**	**DB**	0.55	1.7	6010	ez	2/1/2002	*999596*	
Copper- ICAP	**15**	**mg/kg**	**DB**	0.41	1.3	6010	ez	2/1/2002	*999596*	
Iron - ICAP	**15600**	**mg/kg**	**DB**	5.59	18	6010	ez	2/1/2002	*999596*	
Lead - ICAP	**36**	**mg/kg**	**DB**	3.38	11	6010	ez	2/1/2002	*999596*	
Nickel - ICAP	**14**	**mg/kg**	**DB**	0.76	2.4	6010	ez	2/1/2002	*999596*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20020060
DATE REPORTED: 12-Feb-02
DATE RECEIVED: 24-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA#212936 Q
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Zinc - ICAP	60	mg/kg	DB	0.97	3.1	6010	ez	2/1/2002	*999596*	
Solids, Total Percent	72	%	# RJ			SM 2540	lu	1/31/2002	*999587*	
Sample Number: 27314	Matrix: Soil							Collection: 1/22/2002		Time: 17:06
Client ID: **SB-12**								Sample Description: 8-10'		
Arsenic - ICAP	14	mg/kg	DB	2.69	8.6	6010	ez	2/1/2002	*999596*	
Cadmium - ICAP	<0.45	mg/kg	DB	0.45	1.4	6010	ez	2/1/2002	*999596*	
Chromium, Total - ICAP	13	mg/kg	DB	0.51	1.6	6010	ez	2/1/2002	*999596*	
Copper- ICAP	<0.38	mg/kg	DB	0.38	1.2	6010	ez	2/1/2002	*999596*	
Iron - ICAP	12100	mg/kg	DB	5.18	16	6010	ez	2/1/2002	*999596*	
Lead - ICAP	11	mg/kg	DB	3.13	10.0	6010	ez	2/1/2002	*999596*	
Nickel - ICAP	14	mg/kg	DB	0.7	2.2	6010	ez	2/1/2002	*999596*	
Zinc - ICAP	26	mg/kg	DB	0.9	2.9	6010	ez	2/1/2002	*999596*	
Solids, Total Percent	78	%	# RJ			SM 2540	lu	1/31/2002	*999587*	
Sample Number: 27315	Matrix: Soil							Collection: 1/23/2002		Time: 08:49
Client ID: **SB-13**								Sample Description: 2-4'		
Arsenic - ICAP	27	mg/kg	DB	2.6	8.3	6010	ez	2/1/2002	*999596*	
Cadmium - ICAP	<0.43	mg/kg	DB	0.43	1.4	6010	ez	2/1/2002	*999596*	
Chromium, Total - ICAP	18	mg/kg	DB	0.49	1.6	6010	ez	2/1/2002	*999596*	
Copper- ICAP	17	mg/kg	DB	0.37	1.2	6010	ez	2/1/2002	*999596*	
Iron - ICAP	20900	mg/kg	DB	5.01	16	6010	ez	2/1/2002	*999596*	
Lead - ICAP	34	mg/kg	DB	3.03	9.6	6010	ez	2/1/2002	*999596*	
Nickel - ICAP	22	mg/kg	DB	0.68	2.2	6010	ez	2/1/2002	*999596*	
Zinc - ICAP	59	mg/kg	DB	0.87	2.8	6010	ez	2/1/2002	*999596*	
Solids, Total Percent	81	%	# RJ			SM 2540	lu	1/31/2002	*999587*	
Sample Number: 27316	Matrix: Soil							Collection: 1/23/2002		Time: 12:33
Client ID: **MEOH BLK**								Sample Description:		
Solids, Total Percent	100	%	#			SM 2540				*Preliminary Data*

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020064**
DATE REPORTED: 12-Feb-02
DATE RECEIVED: 25-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Msa#212936Quo
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Sample Number: 27326 — QC Prep Batch Number: 999704 — Collection: 1/23/2002 — Time: 11:23
Client ID: SB-14 — % Solid = 78.1 % — Sample Description: 4-6'

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1-Trichloroethane	< 20	ug/kg	20	64	1		8260	qh	2/6/2002 / 2/6/2002
1,1,2,2-Tetrachloroethane	< 28	ug/kg	28	90	1		8260	qh	2/6/2002 / 2/6/2002
1,1,2-Trichloroethane	< 28	ug/kg	28	89	1		8260	qh	2/6/2002 / 2/6/2002
1,1-Dichloroethane	< 20	ug/kg	20	65	1		8260	qh	2/6/2002 / 2/6/2002
1,1-Dichloroethene	< 22	ug/kg	22	70	1		8260	qh	2/6/2002 / 2/6/2002
1,2,3-Trichlorobenzene	< 32	ug/kg	32	101	1		8260	qh	2/6/2002 / 2/6/2002
1,2,4-Trichlorobenzene	< 30	ug/kg	30	95	1		8260	qh	2/6/2002 / 2/6/2002
1,2,4-Trimethylbenzene	3590	ug/kg	19	61	1		8260	qh	2/6/2002 / 2/6/2002
1,2-Dibromo-3-chloropropan	< 21	ug/kg	21	68	1		8260	qh	2/6/2002 / 2/6/2002
1,2-Dichlorobenzene	< 22	ug/kg	22	69	1		8260	qh	2/6/2002 / 2/6/2002
1,2-Dichloroethane	< 22	ug/kg	22	71	1		8260	qh	2/6/2002 / 2/6/2002
1,2-Dichloropropane	320	ug/kg	21	66	1		8260	qh	2/6/2002 / 2/6/2002
1,3,5-Trimethylbenzene	307	ug/kg	22	70	1		8260	qh	2/6/2002 / 2/6/2002
1,3-Dichlorobenzene	< 17	ug/kg	17	53	1		8260	qh	2/6/2002 / 2/6/2002
1,3-Dichloropropane	< 25	ug/kg	25	79	1		8260	qh	2/6/2002 / 2/6/2002
1,4-Dichlorobenzene	< 23	ug/kg	23	73	1		8260	qh	2/6/2002 / 2/6/2002
2,2-Dichloropropane	< 18	ug/kg	18	56	1		8260	qh	2/6/2002 / 2/6/2002
2-Chlorotoluene	< 19	ug/kg	19	61	1		8260	qh	2/6/2002 / 2/6/2002
4-Chlorotoluene	< 17	ug/kg	17	54	1		8260	qh	2/6/2002 / 2/6/2002
Benzene	< 17	ug/kg	17	55	1		8260	qh	2/6/2002 / 2/6/2002
Bromobenzene	< 20	ug/kg	20	63	1		8260	qh	2/6/2002 / 2/6/2002
Bromodichloromethane	< 25	ug/kg	25	78	1		8260	qh	2/6/2002 / 2/6/2002
Carbon tetrachloride	< 17	ug/kg	17	55	1		8260	qh	2/6/2002 / 2/6/2002
Chlorobenzene	< 17	ug/kg	17	53	1		8260	qh	2/6/2002 / 2/6/2002
Chloroethane	< 41	ug/kg	41	129	1		8260	qh	2/6/2002 / 2/6/2002
Chloroform	< 15	ug/kg	15	49	1		8260	qh	2/6/2002 / 2/6/2002
Chloromethane	< 32	ug/kg	32	101	1		8260	qh	2/6/2002 / 2/6/2002
cis-1,2-Dichloroethene	< 17	ug/kg	17	55	1		8260	qh	2/6/2002 / 2/6/2002
Dibromochloromethane	< 26	ug/kg	26	83	1		8260	qh	2/6/2002 / 2/6/2002
Dichlorodifluoromethane	< 17	ug/kg	17	54	1		8260	qh	2/6/2002 / 2/6/2002
Ethylbenzene	54	ug/kg	16	52	1		8260	qh	2/6/2002 / 2/6/2002
Hexachlorobutadiene	< 27	ug/kg	27	85	1		8260	qh	2/6/2002 / 2/6/2002
Isopropyl Ether	< 19	ug/kg	19	61	1		8260	qh	2/6/2002 / 2/6/2002
Isopropylbenzene	221	ug/kg	21	67	1		8260	qh	2/6/2002 / 2/6/2002
m&p-xylene	197	ug/kg	34	109	1		8260	qh	2/6/2002 / 2/6/2002
Methylene chloride	< 19	ug/kg	19	62	1		8260	qh	2/6/2002 / 2/6/2002
MTBE	< 25	ug/kg	25	80	1		8260	qh	2/6/2002 / 2/6/2002
n-Butylbenzene	1650	ug/kg	23	73	1		8260	qh	2/6/2002 / 2/6/2002
n-Propylbenzene	431	ug/kg	18	57	1		8260	qh	2/6/2002 / 2/6/2002

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20020064**
DATE REPORTED:	12-Feb-02
DATE RECEIVED:	25-Jan-02
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	Msa#212936Quo
PROJECT NAME:	Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Naphthalene	660	ug/kg	48	154	1		8260	qh	2/6/2002 / 2/6/2002
o-xylene	48	ug/kg	16	51	1	J	8260	qh	2/6/2002 / 2/6/2002
p-Isopropyltoluene	< 20	ug/kg	20	64	1		8260	qh	2/6/2002 / 2/6/2002
sec-Butylbenzene	918	ug/kg	22	69	1		8260	qh	2/6/2002 / 2/6/2002
tert-Butylbenzene	< 19	ug/kg	19	62	1		8260	qh	2/6/2002 / 2/6/2002
Tetrachloroethene	< 20	ug/kg	20	62	1		8260	qh	2/6/2002 / 2/6/2002
Toluene	63	ug/kg	19	59	1		8260	qh	2/6/2002 / 2/6/2002
trans-1,2-Dichloroethene	< 16	ug/kg	16	52	1		8260	qh	2/6/2002 / 2/6/2002
Trichloroethene	25	ug/kg	22	70	1	J	8260	qh	2/6/2002 / 2/6/2002
Trichlorofluoromethane	< 15	ug/kg	15	49	1		8260	qh	2/6/2002 / 2/6/2002
Vinyl chloride	< 14	ug/kg	14	44	1		8260	qh	2/6/2002 / 2/6/2002

Sample Number: 27327 — QC Prep Batch Number: 999704 — Collection: 1/23/2002 — Time: 13:54
Client ID: SB-15 — % Solid = 78.3 % — Sample Description: 4-6'

1,1,1-Trichloroethane	< 20	ug/kg	20	64	1		8260	qh	2/6/2002 / 2/6/2002
1,1,2,2-Tetrachloroethane	< 28	ug/kg	28	89	1		8260	qh	2/6/2002 / 2/6/2002
1,1,2-Trichloroethane	< 28	ug/kg	28	89	1		8260	qh	2/6/2002 / 2/6/2002
1,1-Dichloroethane	< 20	ug/kg	20	65	1		8260	qh	2/6/2002 / 2/6/2002
1,1-Dichloroethene	< 22	ug/kg	22	69	1		8260	qh	2/6/2002 / 2/6/2002
1,2,3-Trichlorobenzene	< 32	ug/kg	32	101	1		8260	qh	2/6/2002 / 2/6/2002
1,2,4-Trichlorobenzene	< 30	ug/kg	30	95	1		8260	qh	2/6/2002 / 2/6/2002
1,2,4-Trimethylbenzene	< 19	ug/kg	19	61	1		8260	qh	2/6/2002 / 2/6/2002
1,2-Dibromo-3-chloropropan	< 21	ug/kg	21	67	1		8260	qh	2/6/2002 / 2/6/2002
1,2-Dichlorobenzene	< 22	ug/kg	22	69	1		8260	qh	2/6/2002 / 2/6/2002
1,2-Dichloroethane	< 22	ug/kg	22	71	1		8260	qh	2/6/2002 / 2/6/2002
1,2-Dichloropropane	< 21	ug/kg	21	66	1		8260	qh	2/6/2002 / 2/6/2002
1,3,5-Trimethylbenzene	< 22	ug/kg	22	70	1		8260	qh	2/6/2002 / 2/6/2002
1,3-Dichlorobenzene	< 17	ug/kg	17	53	1		8260	qh	2/6/2002 / 2/6/2002
1,3-Dichloropropane	< 25	ug/kg	25	79	1		8260	qh	2/6/2002 / 2/6/2002
1,4-Dichlorobenzene	< 23	ug/kg	23	72	1		8260	qh	2/6/2002 / 2/6/2002
2,2-Dichloropropane	< 18	ug/kg	18	56	1		8260	qh	2/6/2002 / 2/6/2002
2-Chlorotoluene	< 19	ug/kg	19	61	1		8260	qh	2/6/2002 / 2/6/2002
4-Chlorotoluene	< 17	ug/kg	17	54	1		8260	qh	2/6/2002 / 2/6/2002
Benzene	< 17	ug/kg	17	55	1		8260	qh	2/6/2002 / 2/6/2002
Bromobenzene	< 20	ug/kg	20	63	1		8260	qh	2/6/2002 / 2/6/2002
Bromodichloromethane	< 24	ug/kg	24	78	1		8260	qh	2/6/2002 / 2/6/2002
Carbon tetrachloride	< 17	ug/kg	17	55	1		8260	qh	2/6/2002 / 2/6/2002
Chlorobenzene	< 17	ug/kg	17	53	1		8260	qh	2/6/2002 / 2/6/2002
Chloroethane	< 41	ug/kg	41	129	1		8260	qh	2/6/2002 / 2/6/2002
Chloroform	< 15	ug/kg	15	49	1		8260	qh	2/6/2002 / 2/6/2002
Chloromethane	< 32	ug/kg	32	100	1		8260	qh	2/6/2002 / 2/6/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020064
DATE REPORTED: 12-Feb-02
DATE RECEIVED: 25-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Msa#212936Quo
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
cis-1,2-Dichloroethene	< 17	ug/kg	17	55	1		8260	qh	2/6/2002 / 2/6/2002
Dibromochloromethane	< 26	ug/kg	26	83	1		8260	qh	2/6/2002 / 2/6/2002
Dichlorodifluoromethane	< 17	ug/kg	17	54	1		8260	qh	2/6/2002 / 2/6/2002
Ethylbenzene	< 16	ug/kg	16	51	1		8260	qh	2/6/2002 / 2/6/2002
Hexachlorobutadiene	< 27	ug/kg	27	85	1		8260	qh	2/6/2002 / 2/6/2002
Isopropyl Ether	< 19	ug/kg	19	60	1		8260	qh	2/6/2002 / 2/6/2002
Isopropylbenzene	< 21	ug/kg	21	67	1		8260	qh	2/6/2002 / 2/6/2002
m&p-xylene	< 34	ug/kg	34	109	1		8260	qh	2/6/2002 / 2/6/2002
Methylene chloride	< 19	ug/kg	19	62	1		8260	qh	2/6/2002 / 2/6/2002
MTBE	< 25	ug/kg	25	79	1		8260	qh	2/6/2002 / 2/6/2002
n-Butylbenzene	< 23	ug/kg	23	73	1		8260	qh	2/6/2002 / 2/6/2002
n-Propylbenzene	< 18	ug/kg	18	57	1		8260	qh	2/6/2002 / 2/6/2002
Naphthalene	< 48	ug/kg	48	153	1		8260	qh	2/6/2002 / 2/6/2002
o-xylene	< 16	ug/kg	16	51	1		8260	qh	2/6/2002 / 2/6/2002
p-Isopropyltoluene	< 20	ug/kg	20	64	1		8260	qh	2/6/2002 / 2/6/2002
sec-Butylbenzene	< 22	ug/kg	22	69	1		8260	qh	2/6/2002 / 2/6/2002
tert-Butylbenzene	< 19	ug/kg	19	61	1		8260	qh	2/6/2002 / 2/6/2002
Tetrachloroethene	< 20	ug/kg	20	62	1		8260	qh	2/6/2002 / 2/6/2002
Toluene	< 19	ug/kg	19	59	1		8260	qh	2/6/2002 / 2/6/2002
trans-1,2-Dichloroethene	< 16	ug/kg	16	51	1		8260	qh	2/6/2002 / 2/6/2002
Trichloroethene	< 22	ug/kg	22	70	1		8260	qh	2/6/2002 / 2/6/2002
Trichlorofluoromethane	< 15	ug/kg	15	49	1		8260	qh	2/6/2002 / 2/6/2002
Vinyl chloride	< 14	ug/kg	14	43	1		8260	qh	2/6/2002 / 2/6/2002

Sample Number: 27328 QC Prep Batch Number: 999704 Collection: 1/23/2002 Time: 17:25
Client ID: SB-16 % Solid = 93.1 % Sample Description: 22-24'

1,1,1-Trichloroethane	< 17	ug/kg	17	53	1		8260	qh	2/6/2002 / 2/6/2002
1,1,2,2-Tetrachloroethane	< 24	ug/kg	24	75	1		8260	qh	2/6/2002 / 2/6/2002
1,1,2-Trichloroethane	< 24	ug/kg	24	75	1		8260	qh	2/6/2002 / 2/6/2002
1,1-Dichloroethane	< 17	ug/kg	17	55	1		8260	qh	2/6/2002 / 2/6/2002
1,1-Dichloroethene	< 18	ug/kg	18	58	1		8260	qh	2/6/2002 / 2/6/2002
1,2,3-Trichlorobenzene	< 27	ug/kg	27	85	1		8260	qh	2/6/2002 / 2/6/2002
1,2,4-Trichlorobenzene	< 25	ug/kg	25	80	1		8260	qh	2/6/2002 / 2/6/2002
1,2,4-Trimethylbenzene	< 16	ug/kg	16	51	1		8260	qh	2/6/2002 / 2/6/2002
1,2-Dibromo-3-chloropropan	< 18	ug/kg	18	57	1		8260	qh	2/6/2002 / 2/6/2002
1,2-Dichlorobenzene	< 18	ug/kg	18	58	1		8260	qh	2/6/2002 / 2/6/2002
1,2-Dichloroethane	< 19	ug/kg	19	59	1		8260	qh	2/6/2002 / 2/6/2002
1,2-Dichloropropane	< 17	ug/kg	17	55	1		8260	qh	2/6/2002 / 2/6/2002
1,3,5-Trimethylbenzene	< 18	ug/kg	18	59	1		8260	qh	2/6/2002 / 2/6/2002
1,3-Dichlorobenzene	< 14	ug/kg	14	44	1		8260	qh	2/6/2002 / 2/6/2002
1,3-Dichloropropane	< 21	ug/kg	21	67	1		8260	qh	2/6/2002 / 2/6/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020064**
DATE REPORTED: 12-Feb-02
DATE RECEIVED: 25-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Msa#212936Quo
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,4-Dichlorobenzene	< 19	ug/kg	19	61	1		8260	qh	2/6/2002 / 2/6/2002
2,2-Dichloropropane	< 15	ug/kg	15	47	1		8260	qh	2/6/2002 / 2/6/2002
2-Chlorotoluene	< 16	ug/kg	16	51	1		8260	qh	2/6/2002 / 2/6/2002
4-Chlorotoluene	< 14	ug/kg	14	45	1		8260	qh	2/6/2002 / 2/6/2002
Benzene	< 14	ug/kg	14	46	1		8260	qh	2/6/2002 / 2/6/2002
Bromobenzene	< 17	ug/kg	17	53	1		8260	qh	2/6/2002 / 2/6/2002
Bromodichloromethane	< 21	ug/kg	21	65	1		8260	qh	2/6/2002 / 2/6/2002
Carbon tetrachloride	< 14	ug/kg	14	46	1		8260	qh	2/6/2002 / 2/6/2002
Chlorobenzene	< 14	ug/kg	14	44	1		8260	qh	2/6/2002 / 2/6/2002
Chloroethane	< 34	ug/kg	34	109	1		8260	qh	2/6/2002 / 2/6/2002
Chloroform	< 13	ug/kg	13	41	1		8260	qh	2/6/2002 / 2/6/2002
Chloromethane	< 26	ug/kg	26	84	1		8260	qh	2/6/2002 / 2/6/2002
cis-1,2-Dichloroethene	< 15	ug/kg	15	46	1		8260	qh	2/6/2002 / 2/6/2002
Dibromochloromethane	< 22	ug/kg	22	70	1		8260	qh	2/6/2002 / 2/6/2002
Dichlorodifluoromethane	< 14	ug/kg	14	45	1		8260	qh	2/6/2002 / 2/6/2002
Ethylbenzene	< 14	ug/kg	14	43	1		8260	qh	2/6/2002 / 2/6/2002
Hexachlorobutadiene	< 22	ug/kg	22	71	1		8260	qh	2/6/2002 / 2/6/2002
Isopropyl Ether	< 16	ug/kg	16	51	1		8260	qh	2/6/2002 / 2/6/2002
Isopropylbenzene	< 18	ug/kg	18	56	1		8260	qh	2/6/2002 / 2/6/2002
m&p-xylene	< 29	ug/kg	29	91	1		8260	qh	2/6/2002 / 2/6/2002
Methylene chloride	< 16	ug/kg	16	52	1		8260	qh	2/6/2002 / 2/6/2002
MTBE	< 21	ug/kg	21	67	1		8260	qh	2/6/2002 / 2/6/2002
n-Butylbenzene	< 19	ug/kg	19	61	1		8260	qh	2/6/2002 / 2/6/2002
n-Propylbenzene	< 15	ug/kg	15	48	1		8260	qh	2/6/2002 / 2/6/2002
Naphthalene	< 41	ug/kg	41	129	1		8260	qh	2/6/2002 / 2/6/2002
o-xylene	< 13	ug/kg	13	43	1		8260	qh	2/6/2002 / 2/6/2002
p-Isopropyltoluene	< 17	ug/kg	17	54	1		8260	qh	2/6/2002 / 2/6/2002
sec-Butylbenzene	< 18	ug/kg	18	58	1		8260	qh	2/6/2002 / 2/6/2002
tert-Butylbenzene	< 16	ug/kg	16	52	1		8260	qh	2/6/2002 / 2/6/2002
Tetrachloroethene	< 16	ug/kg	16	52	1		8260	qh	2/6/2002 / 2/6/2002
Toluene	< 16	ug/kg	16	50	1		8260	qh	2/6/2002 / 2/6/2002
trans-1,2-Dichloroethene	< 14	ug/kg	14	43	1		8260	qh	2/6/2002 / 2/6/2002
Trichloroethene	< 19	ug/kg	19	59	1		8260	qh	2/6/2002 / 2/6/2002
Trichlorofluoromethane	< 13	ug/kg	13	41	1		8260	qh	2/6/2002 / 2/6/2002
Vinyl chloride	< 11	ug/kg	11	36	1		8260	qh	2/6/2002 / 2/6/2002

Sample Number: 27329
Client ID: MEOH BLK

QC Prep Batch Number: 999704
% Solid = 100 %

Collection: 1/23/2002 Time: 14:45
Sample Description:

1,1,1-Trichloroethane	< 16	ug/kg	16	50	1		8260	qh	2/6/2002 / 2/6/2002
1,1,2,2-Tetrachloroethane	< 22	ug/kg	22	70	1		8260	qh	2/6/2002 / 2/6/2002
1,1,2-Trichloroethane	< 22	ug/kg	22	70	1		8260	qh	2/6/2002 / 2/6/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020064
DATE REPORTED: 12-Feb-02
DATE RECEIVED: 25-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Msa#212936Quo
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1-Dichloroethane	< 16	ug/kg	16	51	1		8260	qh	2/6/2002 / 2/6/2002
1,1-Dichloroethene	< 17	ug/kg	17	54	1		8260	qh	2/6/2002 / 2/6/2002
1,2,3-Trichlorobenzene	< 25	ug/kg	25	79	1		8260	qh	2/6/2002 / 2/6/2002
1,2,4-Trichlorobenzene	< 23	ug/kg	23	74	1		8260	qh	2/6/2002 / 2/6/2002
1,2,4-Trimethylbenzene	< 15	ug/kg	15	48	1		8260	qh	2/6/2002 / 2/6/2002
1,2-Dibromo-3-chloropropan	< 17	ug/kg	17	53	1		8260	qh	2/6/2002 / 2/6/2002
1,2-Dichlorobenzene	< 17	ug/kg	17	54	1		8260	qh	2/6/2002 / 2/6/2002
1,2-Dichloroethane	< 17	ug/kg	17	55	1		8260	qh	2/6/2002 / 2/6/2002
1,2-Dichloropropane	< 16	ug/kg	16	51	1		8260	qh	2/6/2002 / 2/6/2002
1,3,5-Trimethylbenzene	< 17	ug/kg	17	55	1		8260	qh	2/6/2002 / 2/6/2002
1,3-Dichlorobenzene	< 13	ug/kg	13	41	1		8260	qh	2/6/2002 / 2/6/2002
1,3-Dichloropropane	< 20	ug/kg	20	62	1		8260	qh	2/6/2002 / 2/6/2002
1,4-Dichlorobenzene	< 18	ug/kg	18	57	1		8260	qh	2/6/2002 / 2/6/2002
2,2-Dichloropropane	< 14	ug/kg	14	44	1		8260	qh	2/6/2002 / 2/6/2002
2-Chlorotoluene	< 15	ug/kg	15	47	1		8260	qh	2/6/2002 / 2/6/2002
4-Chlorotoluene	< 13	ug/kg	13	42	1		8260	qh	2/6/2002 / 2/6/2002
Benzene	< 13	ug/kg	13	43	1		8260	qh	2/6/2002 / 2/6/2002
Bromobenzene	< 16	ug/kg	16	49	1		8260	qh	2/6/2002 / 2/6/2002
Bromodichloromethane	< 19	ug/kg	19	61	1		8260	qh	2/6/2002 / 2/6/2002
Carbon tetrachloride	< 13	ug/kg	13	43	1		8260	qh	2/6/2002 / 2/6/2002
Chlorobenzene	< 13	ug/kg	13	41	1		8260	qh	2/6/2002 / 2/6/2002
Chloroethane	< 32	ug/kg	32	101	1		8260	qh	2/6/2002 / 2/6/2002
Chloroform	< 12	ug/kg	12	38	1		8260	qh	2/6/2002 / 2/6/2002
Chloromethane	< 25	ug/kg	25	78	1		8260	qh	2/6/2002 / 2/6/2002
cis-1,2-Dichloroethene	< 14	ug/kg	14	43	1		8260	qh	2/6/2002 / 2/6/2002
Dibromochloromethane	< 20	ug/kg	20	65	1		8260	qh	2/6/2002 / 2/6/2002
Dichlorodifluoromethane	< 13	ug/kg	13	42	1		8260	qh	2/6/2002 / 2/6/2002
Ethylbenzene	< 13	ug/kg	13	40	1		8260	qh	2/6/2002 / 2/6/2002
Hexachlorobutadiene	< 21	ug/kg	21	66	1		8260	qh	2/6/2002 / 2/6/2002
Isopropyl Ether	< 15	ug/kg	15	47	1		8260	qh	2/6/2002 / 2/6/2002
Isopropylbenzene	< 16	ug/kg	16	52	1		8260	qh	2/6/2002 / 2/6/2002
m&p-xylene	< 27	ug/kg	27	85	1		8260	qh	2/6/2002 / 2/6/2002
Methylene chloride	< 15	ug/kg	15	48	1		8260	qh	2/6/2002 / 2/6/2002
MTBE	< 20	ug/kg	20	62	1		8260	qh	2/6/2002 / 2/6/2002
n-Butylbenzene	< 18	ug/kg	18	57	1		8260	qh	2/6/2002 / 2/6/2002
n-Propylbenzene	< 14	ug/kg	14	45	1		8260	qh	2/6/2002 / 2/6/2002
Naphthalene	< 38	ug/kg	38	120	1		8260	qh	2/6/2002 / 2/6/2002
o-xylene	< 13	ug/kg	13	40	1		8260	qh	2/6/2002 / 2/6/2002
p-Isopropyltoluene	< 16	ug/kg	16	50	1		8260	qh	2/6/2002 / 2/6/2002
sec-Butylbenzene	< 17	ug/kg	17	54	1		8260	qh	2/6/2002 / 2/6/2002
tert-Butylbenzene	< 15	ug/kg	15	48	1		8260	qh	2/6/2002 / 2/6/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20020064**
DATE REPORTED:	12-Feb-02
DATE RECEIVED:	25-Jan-02
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	Msa#212936Quo
PROJECT NAME:	Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Tetrachloroethene	< 15	**ug/kg**	15	49	1		8260	qh	2/6/2002 / 2/6/2002
Toluene	< 15	**ug/kg**	15	46	1		8260	qh	2/6/2002 / 2/6/2002
trans-1,2-Dichloroethene	< 13	**ug/kg**	13	40	1		8260	qh	2/6/2002 / 2/6/2002
Trichloroethene	< 17	**ug/kg**	17	55	1		8260	qh	2/6/2002 / 2/6/2002
Trichlorofluoromethane	< 12	**ug/kg**	12	38	1		8260	qh	2/6/2002 / 2/6/2002
Vinyl chloride	< 11	**ug/kg**	11	34	1		8260	qh	2/6/2002 / 2/6/2002

Approved By: _____ **Date:** 2/12/02
James Chang, Ph.D. , Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range .
LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
RQ : Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20020060**
DATE REPORTED:	12-Feb-02
DATE RECEIVED:	24-Jan-02
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	MSA#212936 Q
PROJECT NAME:	Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments

Approved By: _____ **Date:** 2/12/02
James Chang, Ph.D. , Lab Director

DB ***Results expressed as dry weight.***
RJ ***Result expressed as Total.***

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B *"J" = Results between LOD and LOQ* *"#" = no LOD or LOQ required.*
LOQ = 10 (S) x Dilution Facor, where "S" is the Standard Deviation from the MDL Study
LOD = 3.143 (S) x Dilution Facor, where "S" is the Standard Deviation from the MDL Study

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20020064
DATE REPORTED: 12-Feb-02
DATE RECEIVED: 25-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Msa#212936Quo
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Sample Number: 27326	Matrix: Soil							Collection: 1/23/2002	Time: 11:23	
Client ID: **SB-14**								Sample Description: 4-6'		
Arsenic - ICAP	**24**	**mg/kg**	**DB**	2.69	8.6	6010	ez	2/1/2002	*999596*	
Cadmium - ICAP	**<0.45**	**mg/kg**	**DB**	0.45	1.4	6010	ez	2/1/2002	*999596*	
Chromium, Total - ICAP	**32**	**mg/kg**	**DB**	0.51	1.6	6010	ez	2/1/2002	*999596*	
Copper- ICAP	**23**	**mg/kg**	**DB**	0.38	1.2	6010	ez	2/1/2002	*999596*	
Iron - ICAP	**22300**	**mg/kg**	**DB**	5.19	17	6010	ez	2/1/2002	*999596*	
Lead - ICAP	**42**	**mg/kg**	**DB**	3.14	10.0	6010	ez	2/1/2002	*999596*	
Nickel - ICAP	**22**	**mg/kg**	**DB**	0.7	2.2	6010	ez	2/1/2002	*999596*	
Zinc - ICAP	**75**	**mg/kg**	**DB**	0.9	2.9	6010	ez	2/1/2002	*999596*	
Solids, Total Percent	**78**	**%**	#			SM 2540	lu	1/31/2002	*999587*	
Sample Number: 27327	Matrix: Soil							Collection: 1/23/2002	Time: 13:54	
Client ID: **SB-15**								Sample Description: 4-6'		
Arsenic - ICAP	**3.1**	**mg/kg**	***J*** **DB**	2.68	8.5	6010	ez	2/1/2002	*999596*	
Cadmium - ICAP	**<0.45**	**mg/kg**	**DB**	0.45	1.4	6010	ez	2/1/2002	*999596*	
Chromium, Total - ICAP	**1.3**	**mg/kg**	***J*** **DB**	0.51	1.6	6010	ez	2/1/2002	*999596*	
Copper- ICAP	**0.8**	**mg/kg**	***J*** **DB**	0.38	1.2	6010	ez	2/1/2002	*999596*	
Iron - ICAP	**3330**	**mg/kg**	**DB**	5.17	16	6010	ez	2/1/2002	*999596*	
Lead - ICAP	**<3.13**	**mg/kg**	**DB**	3.13	10.0	6010	ez	2/1/2002	*999596*	
Nickel - ICAP	**1.7**	**mg/kg**	***J*** **DB**	0.7	2.2	6010	ez	2/1/2002	*999596*	
Zinc - ICAP	**4.9**	**mg/kg**	**DB**	0.89	2.8	6010	ez	2/1/2002	*999596*	
Solids, Total Percent	**78**	**%**	#			SM 2540	lu	1/31/2002	*999587*	
Sample Number: 27328	Matrix: Soil							Collection: 1/23/2002	Time: 17:25	
Client ID: **SB-16**								Sample Description: 22-24'		
Arsenic - ICAP	**8.1**	**mg/kg**	**DB**	2.26	7.2	6010	ez	2/1/2002	*999596*	
Cadmium - ICAP	**<0.38**	**mg/kg**	**DB**	0.38	1.2	6010	ez	2/1/2002	*999596*	
Chromium, Total - ICAP	**11**	**mg/kg**	**DB**	0.43	1.4	6010	ez	2/1/2002	*999596*	
Copper- ICAP	**5.9**	**mg/kg**	**DB**	0.32	1.0	6010	ez	2/1/2002	*999596*	
Iron - ICAP	**11300**	**mg/kg**	**DB**	4.35	14	6010	ez	2/1/2002	*999596*	
Lead - ICAP	**2.9**	**mg/kg**	***J*** **DB**	2.63	8.4	6010	ez	2/1/2002	*999596*	
Nickel - ICAP	**9.3**	**mg/kg**	**DB**	0.59	1.9	6010	ez	2/1/2002	*999596*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20020064**
DATE REPORTED:	12-Feb-02
DATE RECEIVED:	25-Jan-02
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	Msa#212936Quo
PROJECT NAME:	Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Zinc - ICAP	**21**	**mg/kg**	**DB**	0.75	2.4	6010	ez	2/1/2002	*999596*	
Solids, Total Percent	**93**	**%**	**#**			SM 2540	lu	1/31/2002	*999587*	

Sample Number: 27329 Matrix: Soil

Client ID: **MEOH BLK**

Collection: 1/23/2002 Time: 14:45

Sample Description:

Solids, Total Percent	**100**	**%**	**#**			SM 2540	lu	1/31/2002	*999587*	

Approved By: _____ **Date:** 2/12/02

James Chang, Ph.D. , Lab Director

DB *Results expressed as dry weight.*

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B "J" = Results between LOD and LOQ "#" = no LOD or LOQ required.
LOQ = 10 (S) x Dilution Facor, where "S" is the Standard Deviation from the MDL Study
LOD = 3.143 (S) x Dilution Facor, where "S" is the Standard Deviation from the MDL Study

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

APL Environmental

:222 W. Calumet Rd., Milwaukee, WI 53223
*hone: (414) 355-5800 Fax: (414) 355-3099

Project Name: Kreher Park

Project ID: MSA# 212936 Quote # 206108002

Project Manager: Brian Hegge
Company: MSA
Address: 1835 N. Stevens St.
City/State/Zip Rhinelander, WI
Phone: 715-362-3249 **Fax:**

Samples received "On Ice" Temperature: ____C Sample intact/not leaking

A. HCl E. Methanol
B. HNO3 F. Filtered
C. NaOH G. None
D. H2SO4 H. Others

100

Preservation / Filtration Code

Test Required

	Test Required	Matrix	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	Preservation / Filtration Code
15	VOC method 8260	Soil	1	2	3	4														E
14	SVOC method 8270		1	2	3															G
13	& RCRA Metals (arsenic,		1	2	3															G
12	cadmium, chromium,																			
11	copper, iron, lead, nickel																			
10	and Zinc)	↓																		
09																				
08																				
07																				
06																				
05																				
04																				
03																				
02																				
01																				
	Collection Time		11:23	11:54	5:25	2:15														
	Collection Date		11/23/02	↓	↓	↓														
	Sample ID		SB-14 4-6'	SB-15 4-6'	SB-16 22-24'	MW4 Blank	SB-1													
	Lab ID		27326	27327	27328	27329														

COC# 206108002

Additional Information:

Relinquished By:	Date/Time	Received By:
	11/24/02 6:55	

Special Instructions:

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020064
DATE REPORTED: 11-Feb-02
DATE RECEIVED: 25-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Msa#212936Quo
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Sample Number: 27326
Client ID: SB-14
QC Prep Batch Number: 999686
% Solid = 78.1 %
Collection: 1/23/2002 Time: 11:23
Sample Description: 4-6'

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,2,4-Trichlorobenzene	< 182	ug/kg	182	578	10		8270	gl	2/2/2002 / 2/7/2002
1,2-Dichlorobenzene	< 286	ug/kg	286	908	10		8270	gl	2/2/2002 / 2/7/2002
1,3-Dichlorobenzene	< 287	ug/kg	287	913	10		8270	gl	2/2/2002 / 2/7/2002
1,4-Dichlorobenzene	< 288	ug/kg	288	917	10		8270	gl	2/2/2002 / 2/7/2002
1-Methylnaphthalene	< 193	ug/kg	193	615	10		8270	gl	2/2/2002 / 2/7/2002
2,4,5-Trichlorophenol	< 474	ug/kg	474	1510	10		8270	gl	2/2/2002 / 2/7/2002
2,4,6-Trichlorophenol	< 417	ug/kg	417	1330	10		8270	gl	2/2/2002 / 2/7/2002
2,4-Dichlorophenol	< 547	ug/kg	547	1740	10		8270	gl	2/2/2002 / 2/7/2002
2,4-Dimethylphenol	< 490	ug/kg	490	1560	10		8270	gl	2/2/2002 / 2/7/2002
2,4-Dinitrophenol	< 620	ug/kg	620	1970	10		8270	gl	2/2/2002 / 2/7/2002
2,4-Dinitrotoluene	< 225	ug/kg	225	717	10		8270	gl	2/2/2002 / 2/7/2002
2,6-Dinitrotoluene	< 265	ug/kg	265	843	10		8270	gl	2/2/2002 / 2/7/2002
2-Chloronaphthalene	< 222	ug/kg	222	705	10		8270	gl	2/2/2002 / 2/7/2002
2-Chlorophenol	< 565	ug/kg	565	1800	10		8270	gl	2/2/2002 / 2/7/2002
2-Methylnaphthalene	< 193	ug/kg	193	615	10		8270	gl	2/2/2002 / 2/7/2002
2-Methylphenol	< 569	ug/kg	569	1810	10		8270	gl	2/2/2002 / 2/7/2002
2-Nitroaniline	< 292	ug/kg	292	929	10		8270	gl	2/2/2002 / 2/7/2002
2-Nitrophenol	< 547	ug/kg	547	1740	10		8270	gl	2/2/2002 / 2/7/2002
3,3'-Dichlorobenzidine	< 279	ug/kg	279	888	10		8270	gl	2/2/2002 / 2/7/2002
3- + 4-Methylphenol	< 574	ug/kg	574	1830	10		8270	gl	2/2/2002 / 2/7/2002
3-Nitroaniline	< 233	ug/kg	233	741	10		8270	gl	2/2/2002 / 2/7/2002
4,6-Dinitro-2-methylphenol	< 431	ug/kg	431	1370	10		8270	gl	2/2/2002 / 2/7/2002
4-Bromophenyl phenyl ether	< 237	ug/kg	237	754	10		8270	gl	2/2/2002 / 2/7/2002
4-Chloro-3-methyl phenol	< 487	ug/kg	487	1550	10		8270	gl	2/2/2002 / 2/7/2002
4-Chloroaniline	< 300	ug/kg	300	953	10		8270	gl	2/2/2002 / 2/7/2002
4-Chlorophenyl phenyl ether	< 238	ug/kg	238	758	10		8270	gl	2/2/2002 / 2/7/2002
4-Nitroaniline	< 293	ug/kg	293	933	10		8270	gl	2/2/2002 / 2/7/2002
4-Nitrophenol	< 631	ug/kg	631	2010	10		8270	gl	2/2/2002 / 2/7/2002
Acenaphthene	< 230	ug/kg	230	733	10		8270	gl	2/2/2002 / 2/7/2002
Acenaphthylene	< 200	ug/kg	200	636	10		8270	gl	2/2/2002 / 2/7/2002
Anthracene	< 184	ug/kg	184	587	10		8270	gl	2/2/2002 / 2/7/2002
Benzo (a) anthracene	< 233	ug/kg	233	741	10		8270	gl	2/2/2002 / 2/7/2002
Benzo (a) pyrene	< 184	ug/kg	184	587	10		8270	gl	2/2/2002 / 2/7/2002
Benzo (b) fluoranthene	< 275	ug/kg	275	876	10		8270	gl	2/2/2002 / 2/7/2002
Benzo (g,h,i) perylene	< 246	ug/kg	246	782	10		8270	gl	2/2/2002 / 2/7/2002
Benzo (k) fluoranthene	< 242	ug/kg	242	770	10		8270	gl	2/2/2002 / 2/7/2002
Benzyl alcohol	< 274	ug/kg	274	872	10		8270	gl	2/2/2002 / 2/7/2002
Bis (2-chloroethoxy) methane	< 278	ug/kg	278	884	10		8270	gl	2/2/2002 / 2/7/2002
Bis (2-chloroethyl) ether	< 289	ug/kg	289	921	10		8270	gl	2/2/2002 / 2/7/2002

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020064**
DATE REPORTED: 11-Feb-02
DATE RECEIVED: 25-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Msa#212936Quo
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Bis (2-chloroisopropyl) ether	< 197	ug/kg	197	627	10		8270	gl	2/2/2002 / 2/7/2002
Bis (2-ethylhexyl) phthalate	< 278	ug/kg	278	884	10		8270	gl	2/2/2002 / 2/7/2002
Butyl benzyl phthalate	< 270	ug/kg	270	860	10		8270	gl	2/2/2002 / 2/7/2002
Chrysene	< 228	ug/kg	228	725	10		8270	gl	2/2/2002 / 2/7/2002
Di-n-butylphthalate	< 182	ug/kg	182	578	10		8270	gl	2/2/2002 / 2/7/2002
Di-n-octylphthalate	< 193	ug/kg	193	615	10		8270	gl	2/2/2002 / 2/7/2002
Dibenz (a,h) anthracene	< 170	ug/kg	170	542	10		8270	gl	2/2/2002 / 2/7/2002
Dibenzofuran	< 241	ug/kg	241	766	10		8270	gl	2/2/2002 / 2/7/2002
Diethylphthalate	< 255	ug/kg	255	811	10		8270	gl	2/2/2002 / 2/7/2002
Dimethylphthalate	< 225	ug/kg	225	717	10		8270	gl	2/2/2002 / 2/7/2002
Fluoranthene	< 187	ug/kg	187	595	10		8270	gl	2/2/2002 / 2/7/2002
Fluorene	< 262	ug/kg	262	835	10		8270	gl	2/2/2002 / 2/7/2002
Hexachlorobenzene	< 223	ug/kg	223	709	10		8270	gl	2/2/2002 / 2/7/2002
Hexachlorobutadiene	< 179	ug/kg	179	570	10		8270	gl	2/2/2002 / 2/7/2002
Hexachlorocyclopentadiene	< 257	ug/kg	257	819	10		8270	gl	2/2/2002 / 2/7/2002
Hexachloroethane	< 262	ug/kg	262	835	10		8270	gl	2/2/2002 / 2/7/2002
Indeno (1,2,3-cd) pyrene	< 342	ug/kg	342	1090	10		8270	gl	2/2/2002 / 2/7/2002
Isophorone	< 211	ug/kg	211	672	10		8270	gl	2/2/2002 / 2/7/2002
N-Nitrosodi-n-propylamine	< 315	ug/kg	315	1000	10		8270	gl	2/2/2002 / 2/7/2002
N-Nitrosodimethylamine	< 307	ug/kg	307	978	10		8270	gl	2/2/2002 / 2/7/2002
N-Nitrosodiphenylamine	< 202	ug/kg	202	644	10		8270	gl	2/2/2002 / 2/7/2002
Naphthalene	< 260	ug/kg	260	827	10		8270	gl	2/2/2002 / 2/7/2002
Nitrobenzene	< 228	ug/kg	228	725	10		8270	gl	2/2/2002 / 2/7/2002
Pentachlorophenol	< 428	ug/kg	428	1360	10		8270	gl	2/2/2002 / 2/7/2002
Phenanthrene	< 228	ug/kg	228	725	10		8270	gl	2/2/2002 / 2/7/2002
Phenol	< 633	ug/kg	633	2010	10		8270	gl	2/2/2002 / 2/7/2002
Pyrene	< 213	ug/kg	213	676	10		8270	gl	2/2/2002 / 2/7/2002

Sample Number: 27327
Client ID: SB-15

QC Prep Batch Number: 999686
% Solid = 78.3 %

Collection: 1/23/2002 Time: 13:54
Sample Description: 4-6'

1,2,4-Trichlorobenzene	< 36	ug/kg	36	115	2		8270	qh	2/2/2002 / 2/7/2002
1,2-Dichlorobenzene	< 57	ug/kg	57	181	2		8270	qh	2/2/2002 / 2/7/2002
1,3-Dichlorobenzene	< 57	ug/kg	57	182	2		8270	qh	2/2/2002 / 2/7/2002
1,4-Dichlorobenzene	< 57	ug/kg	57	183	2		8270	qh	2/2/2002 / 2/7/2002
1-Methylnaphthalene	< 39	ug/kg	39	123	2		8270	qh	2/2/2002 / 2/7/2002
2,4,5-Trichlorophenol	< 95	ug/kg	95	301	2		8270	qh	2/2/2002 / 2/7/2002
2,4,6-Trichlorophenol	< 83	ug/kg	83	265	2		8270	qh	2/2/2002 / 2/7/2002
2,4-Dichlorophenol	< 109	ug/kg	109	347	2		8270	qh	2/2/2002 / 2/7/2002
2,4-Dimethylphenol	< 98	ug/kg	98	311	2		8270	qh	2/2/2002 / 2/7/2002
2,4-Dinitrophenol	< 124	ug/kg	124	393	2		8270	qh	2/2/2002 / 2/7/2002
2,4-Dinitrotoluene	< 45	ug/kg	45	143	2		8270	qh	2/2/2002 / 2/7/2002

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020064**
DATE REPORTED: 11-Feb-02
DATE RECEIVED: 25-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Msa#212936Quo
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
2,6-Dinitrotoluene	< 53	ug/kg	53	168	2		8270	qh	2/2/2002 / 2/7/2002
2-Chloronaphthalene	< 44	ug/kg	44	141	2		8270	qh	2/2/2002 / 2/7/2002
2-Chlorophenol	< 113	ug/kg	113	358	2		8270	qh	2/2/2002 / 2/7/2002
2-Methylnaphthalene	< 39	ug/kg	39	123	2		8270	qh	2/2/2002 / 2/7/2002
2-Methylphenol	< 113	ug/kg	113	361	2		8270	qh	2/2/2002 / 2/7/2002
2-Nitroaniline	< 58	ug/kg	58	185	2		8270	qh	2/2/2002 / 2/7/2002
2-Nitrophenol	< 109	ug/kg	109	347	2		8270	qh	2/2/2002 / 2/7/2002
3,3'-Dichlorobenzidine	< 56	ug/kg	56	177	2		8270	qh	2/2/2002 / 2/7/2002
3- + 4-Methylphenol	< 114	ug/kg	114	364	2		8270	qh	2/2/2002 / 2/7/2002
3-Nitroaniline	< 46	ug/kg	46	148	2		8270	qh	2/2/2002 / 2/7/2002
4,6-Dinitro-2-methylphenol	< 86	ug/kg	86	274	2		8270	qh	2/2/2002 / 2/7/2002
4-Bromophenyl phenyl ether	< 47	ug/kg	47	150	2		8270	qh	2/2/2002 / 2/7/2002
4-Chloro-3-methyl phenol	< 97	ug/kg	97	309	2		8270	qh	2/2/2002 / 2/7/2002
4-Chloroaniline	< 60	ug/kg	60	190	2		8270	qh	2/2/2002 / 2/7/2002
4-Chlorophenyl phenyl ether	< 48	ug/kg	48	151	2		8270	qh	2/2/2002 / 2/7/2002
4-Nitroaniline	< 58	ug/kg	58	186	2		8270	qh	2/2/2002 / 2/7/2002
4-Nitrophenol	< 126	ug/kg	126	401	2		8270	qh	2/2/2002 / 2/7/2002
Acenaphthene	< 46	ug/kg	46	146	2		8270	qh	2/2/2002 / 2/7/2002
Acenaphthylene	< 40	ug/kg	40	127	2		8270	qh	2/2/2002 / 2/7/2002
Anthracene	< 37	ug/kg	37	117	2		8270	qh	2/2/2002 / 2/7/2002
Benzo (a) anthracene	< 46	ug/kg	46	148	2		8270	qh	2/2/2002 / 2/7/2002
Benzo (a) pyrene	< 37	ug/kg	37	117	2		8270	qh	2/2/2002 / 2/7/2002
Benzo (b) fluoranthene	< 55	ug/kg	55	175	2		8270	qh	2/2/2002 / 2/7/2002
Benzo (g,h,i) perylene	< 49	ug/kg	49	156	2		8270	qh	2/2/2002 / 2/7/2002
Benzo (k) fluoranthene	< 48	ug/kg	48	154	2		8270	qh	2/2/2002 / 2/7/2002
Benzyl alcohol	< 55	ug/kg	55	174	2		8270	qh	2/2/2002 / 2/7/2002
Bis (2-chloroethoxy) methane	< 55	ug/kg	55	176	2		8270	qh	2/2/2002 / 2/7/2002
Bis (2-chloroethyl) ether	< 58	ug/kg	58	184	2		8270	qh	2/2/2002 / 2/7/2002
Bis (2-chloroisopropyl) ether	< 39	ug/kg	39	125	2		8270	qh	2/2/2002 / 2/7/2002
Bis (2-ethylhexyl) phthalate	< 55	ug/kg	55	176	2		8270	qh	2/2/2002 / 2/7/2002
Butyl benzyl phthalate	< 54	ug/kg	54	171	2		8270	qh	2/2/2002 / 2/7/2002
Chrysene	< 45	ug/kg	45	145	2		8270	qh	2/2/2002 / 2/7/2002
Di-n-butylphthalate	< 36	ug/kg	36	115	2		8270	qh	2/2/2002 / 2/7/2002
Di-n-octylphthalate	< 39	ug/kg	39	123	2		8270	qh	2/2/2002 / 2/7/2002
Dibenz (a,h) anthracene	< 34	ug/kg	34	108	2		8270	qh	2/2/2002 / 2/7/2002
Dibenzofuran	< 48	ug/kg	48	153	2		8270	qh	2/2/2002 / 2/7/2002
Diethylphthalate	< 51	ug/kg	51	162	2		8270	qh	2/2/2002 / 2/7/2002
Dimethylphthalate	< 45	ug/kg	45	143	2		8270	qh	2/2/2002 / 2/7/2002
Fluoranthene	< 37	ug/kg	37	119	2		8270	qh	2/2/2002 / 2/7/2002
Fluorene	< 52	ug/kg	52	167	2		8270	qh	2/2/2002 / 2/7/2002
Hexachlorobenzene	< 44	ug/kg	44	141	2		8270	qh	2/2/2002 / 2/7/2002

APL INC.
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Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020064**
DATE REPORTED: 11-Feb-02
DATE RECEIVED: 25-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Msa#212936Quo
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Hexachlorobutadiene	< 36	ug/kg	36	114	2		8270	qh	2/2/2002 / 2/7/2002
Hexachlorocyclopentadiene	< 51	ug/kg	51	163	2		8270	qh	2/2/2002 / 2/7/2002
Hexachloroethane	< 52	ug/kg	52	167	2		8270	qh	2/2/2002 / 2/7/2002
Indeno (1,2,3-cd) pyrene	< 68	ug/kg	68	217	2		8270	qh	2/2/2002 / 2/7/2002
Isophorone	< 42	ug/kg	42	134	2		8270	qh	2/2/2002 / 2/7/2002
N-Nitrosodi-n-propylamine	< 63	ug/kg	63	200	2		8270	qh	2/2/2002 / 2/7/2002
N-Nitrosodimethylamine	< 61	ug/kg	61	195	2		8270	qh	2/2/2002 / 2/7/2002
N-Nitrosodiphenylamine	< 40	ug/kg	40	128	2		8270	qh	2/2/2002 / 2/7/2002
Naphthalene	< 52	ug/kg	52	165	2		8270	qh	2/2/2002 / 2/7/2002
Nitrobenzene	< 45	ug/kg	45	145	2		8270	qh	2/2/2002 / 2/7/2002
Pentachlorophenol	< 85	ug/kg	85	271	2		8270	qh	2/2/2002 / 2/7/2002
Phenanthrene	< 45	ug/kg	45	145	2		8270	qh	2/2/2002 / 2/7/2002
Phenol	< 126	ug/kg	126	401	2		8270	qh	2/2/2002 / 2/7/2002
Pyrene	< 42	ug/kg	42	135	2		8270	qh	2/2/2002 / 2/7/2002

Sample Number: 27328
Client ID: SB-16

QC Prep Batch Number: 999686
% Solid = 93.1 %

Collection: 1/23/2002 Time: 17:25
Sample Description: 22-24'

1,2,4-Trichlorobenzene	< 31	ug/kg	31	97	2		8270	qh	2/2/2002 / 2/7/2002
1,2-Dichlorobenzene	< 48	ug/kg	48	152	2		8270	qh	2/2/2002 / 2/7/2002
1,3-Dichlorobenzene	< 48	ug/kg	48	153	2		8270	qh	2/2/2002 / 2/7/2002
1,4-Dichlorobenzene	< 48	ug/kg	48	154	2		8270	qh	2/2/2002 / 2/7/2002
1-Methylnaphthalene	< 32	ug/kg	32	103	2		8270	qh	2/2/2002 / 2/7/2002
2,4,5-Trichlorophenol	< 79	ug/kg	79	253	2		8270	qh	2/2/2002 / 2/7/2002
2,4,6-Trichlorophenol	< 70	ug/kg	70	223	2		8270	qh	2/2/2002 / 2/7/2002
2,4-Dichlorophenol	< 92	ug/kg	92	292	2		8270	qh	2/2/2002 / 2/7/2002
2,4-Dimethylphenol	< 82	ug/kg	82	262	2		8270	qh	2/2/2002 / 2/7/2002
2,4-Dinitrophenol	< 104	ug/kg	104	331	2		8270	qh	2/2/2002 / 2/7/2002
2,4-Dinitrotoluene	< 38	ug/kg	38	120	2		8270	qh	2/2/2002 / 2/7/2002
2,6-Dinitrotoluene	< 44	ug/kg	44	141	2		8270	qh	2/2/2002 / 2/7/2002
2-Chloronaphthalene	< 37	ug/kg	37	118	2		8270	qh	2/2/2002 / 2/7/2002
2-Chlorophenol	< 95	ug/kg	95	301	2		8270	qh	2/2/2002 / 2/7/2002
2-Methylnaphthalene	< 32	ug/kg	32	103	2		8270	qh	2/2/2002 / 2/7/2002
2-Methylphenol	< 95	ug/kg	95	303	2		8270	qh	2/2/2002 / 2/7/2002
2-Nitroaniline	< 49	ug/kg	49	156	2		8270	qh	2/2/2002 / 2/7/2002
2-Nitrophenol	< 92	ug/kg	92	292	2		8270	qh	2/2/2002 / 2/7/2002
3,3'-Dichlorobenzidine	< 47	ug/kg	47	149	2		8270	qh	2/2/2002 / 2/7/2002
3- + 4-Methylphenol	< 96	ug/kg	96	306	2		8270	qh	2/2/2002 / 2/7/2002
3-Nitroaniline	< 39	ug/kg	39	124	2		8270	qh	2/2/2002 / 2/7/2002
4,6-Dinitro-2-methylphenol	< 72	ug/kg	72	230	2		8270	qh	2/2/2002 / 2/7/2002
4-Bromophenyl phenyl ether	< 40	ug/kg	40	126	2		8270	qh	2/2/2002 / 2/7/2002
4-Chloro-3-methyl phenol	< 82	ug/kg	82	260	2		8270	qh	2/2/2002 / 2/7/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020064
DATE REPORTED: 11-Feb-02
DATE RECEIVED: 25-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Msa#212936Quo
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
4-Chloroaniline	< 50	ug/kg	50	160	2		8270	qh	2/2/2002 / 2/7/2002
4-Chlorophenyl phenyl ether	< 40	ug/kg	40	127	2		8270	qh	2/2/2002 / 2/7/2002
4-Nitroaniline	< 49	ug/kg	49	157	2		8270	qh	2/2/2002 / 2/7/2002
4-Nitrophenol	< 106	ug/kg	106	337	2		8270	qh	2/2/2002 / 2/7/2002
Acenaphthene	< 39	ug/kg	39	123	2		8270	qh	2/2/2002 / 2/7/2002
Acenaphthylene	< 34	ug/kg	34	107	2		8270	qh	2/2/2002 / 2/7/2002
Anthracene	< 31	ug/kg	31	98	2		8270	qh	2/2/2002 / 2/7/2002
Benzo (a) anthracene	< 39	ug/kg	39	124	2		8270	qh	2/2/2002 / 2/7/2002
Benzo (a) pyrene	< 31	ug/kg	31	98	2		8270	qh	2/2/2002 / 2/7/2002
Benzo (b) fluoranthene	< 46	ug/kg	46	147	2		8270	qh	2/2/2002 / 2/7/2002
Benzo (g,h,i) perylene	< 41	ug/kg	41	131	2		8270	qh	2/2/2002 / 2/7/2002
Benzo (k) fluoranthene	< 41	ug/kg	41	129	2		8270	qh	2/2/2002 / 2/7/2002
Benzyl alcohol	< 46	ug/kg	46	146	2		8270	qh	2/2/2002 / 2/7/2002
Bis (2-chloroethoxy) methane	< 47	ug/kg	47	148	2		8270	qh	2/2/2002 / 2/7/2002
Bis (2-chloroethyl) ether	< 49	ug/kg	49	154	2		8270	qh	2/2/2002 / 2/7/2002
Bis (2-chloroisopropyl) ether	< 33	ug/kg	33	105	2		8270	qh	2/2/2002 / 2/7/2002
Bis (2-ethylhexyl) phthalate	< 47	ug/kg	47	148	2		8270	qh	2/2/2002 / 2/7/2002
Butyl benzyl phthalate	< 45	ug/kg	45	144	2		8270	qh	2/2/2002 / 2/7/2002
Chrysene	< 38	ug/kg	38	122	2		8270	qh	2/2/2002 / 2/7/2002
Di-n-butylphthalate	< 31	ug/kg	31	97	2		8270	qh	2/2/2002 / 2/7/2002
Di-n-octylphthalate	< 32	ug/kg	32	103	2		8270	qh	2/2/2002 / 2/7/2002
Dibenz (a,h) anthracene	< 29	ug/kg	29	91	2		8270	qh	2/2/2002 / 2/7/2002
Dibenzofuran	< 40	ug/kg	40	128	2		8270	qh	2/2/2002 / 2/7/2002
Diethylphthalate	< 43	ug/kg	43	136	2		8270	qh	2/2/2002 / 2/7/2002
Dimethylphthalate	< 38	ug/kg	38	120	2		8270	qh	2/2/2002 / 2/7/2002
Fluoranthene	< 31	ug/kg	31	100	2		8270	qh	2/2/2002 / 2/7/2002
Fluorene	< 44	ug/kg	44	140	2		8270	qh	2/2/2002 / 2/7/2002
Hexachlorobenzene	< 37	ug/kg	37	119	2		8270	qh	2/2/2002 / 2/7/2002
Hexachlorobutadiene	< 30	ug/kg	30	96	2		8270	qh	2/2/2002 / 2/7/2002
Hexachlorocyclopentadiene	< 43	ug/kg	43	137	2		8270	qh	2/2/2002 / 2/7/2002
Hexachloroethane	< 44	ug/kg	44	140	2		8270	qh	2/2/2002 / 2/7/2002
Indeno (1,2,3-cd) pyrene	< 57	ug/kg	57	182	2		8270	qh	2/2/2002 / 2/7/2002
Isophorone	< 35	ug/kg	35	113	2		8270	qh	2/2/2002 / 2/7/2002
N-Nitrosodi-n-propylamine	< 53	ug/kg	53	168	2		8270	qh	2/2/2002 / 2/7/2002
N-Nitrosodimethylamine	< 52	ug/kg	52	164	2		8270	qh	2/2/2002 / 2/7/2002
N-Nitrosodiphenylamine	< 34	ug/kg	34	108	2		8270	qh	2/2/2002 / 2/7/2002
Naphthalene	< 44	ug/kg	44	139	2		8270	qh	2/2/2002 / 2/7/2002
Nitrobenzene	< 38	ug/kg	38	122	2		8270	qh	2/2/2002 / 2/7/2002
Pentachlorophenol	< 72	ug/kg	72	228	2		8270	qh	2/2/2002 / 2/7/2002
Phenanthrene	< 38	ug/kg	38	122	2		8270	qh	2/2/2002 / 2/7/2002
Phenol	< 106	ug/kg	106	338	2		8270	qh	2/2/2002 / 2/7/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020064**
DATE REPORTED: 11-Feb-02
DATE RECEIVED: 25-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Msa#212936Quo
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Pyrene	< 36	**ug/kg**	36	113	2		8270	qh	2/2/2002 / 2/7/2002

Approved By: _____ **Date:** 2/11/02
James Chang, Ph.D. , Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range .
LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
RQ : Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

PL Environmental

4222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

Project Name: Kreher Park

Project ID: MSA #212936
Quote #20010800Z

Project Manager: Brian Hegge
Company: MSA
Address: 1035 N. Stevens St.
City/State/Zip Rhinelander, WI
Phone: (715) 362-3274 **Fax:**

Samples received "On Ice" | Temperature: ____C | Sample intact/not leaking

A. HCl E. Methanol
B. HNO3 F. Filtered
C. NaOH G. None
D. H2SO4 H. Others

100

Preservation / Filtration Code

Test Required	Matrix	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	Preservation / Filtration Code
VOC method 8260	GW	1	2	3	4	5	6	7	8	9									A
14 SVOC method 8270	1	1	2	3	4	5	6			9	10								G
8 RCRA metals - dissolved	1	1	2	3	4	5	6			9									B/Filter
(arsenic, Cadmium, Chromium,																			
11 (copper, iron, lead, nickel																			
and zinc)	↓																		
09																			
08																			
07																			
06																			
05																			
04																			
03																			
02																			
01																			

Additional Information:

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Collection Time	10:45	12:06	1:50	2:46	4:28	3:27	1:41	X	4:28	2:46							
Collection Date	2/13/02	→	→	→	→	→	→	X	→	→							
Sample ID	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	Field Blank	Trip Blank	Dup MW-5	MW-4 ms/msd							
Lab ID	27568	27569	27570	27571	27572	27573	27574	27575	27576	27577							

COC# 20010800Z

Relinquished By:	Date/Time	Received By:
	2/14/02 9:11	

Special Instructions:

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020125**
DATE REPORTED: 18-Mar-02
DATE RECEIVED: 18-Feb-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: msa#212936 quo
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Sample Number: 27568 — QC Prep Batch Number: 1000000 — Collection: 2/13/2002 — Time: 10:45
Client ID: MW-1 — Sample Description:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.70	1		8260	445134030	2/27/2002 / 3/6/2002
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	1		8260	445134030	2/27/2002 / 3/6/2002
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	1		8260	445134030	2/27/2002 / 3/6/2002
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	1		8260	445134030	2/27/2002 / 3/6/2002
1,1-Dichloroethane	<0.32	ug/l	0.32	1.0	1		8260	445134030	2/27/2002 / 3/6/2002
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1		8260	445134030	2/27/2002 / 3/6/2002
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1		8260	445134030	2/27/2002 / 3/6/2002
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1		8260	445134030	2/27/2002 / 3/6/2002
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1		8260	445134030	2/27/2002 / 3/6/2002
1,2,4-Trimethylbenzene	<0.30	ug/l	0.30	0.95	1		8260	445134030	2/27/2002 / 3/6/2002
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	1		8260	445134030	2/27/2002 / 3/6/2002
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1		8260	445134030	2/27/2002 / 3/6/2002
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
1,3-Dichlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	445134030	2/27/2002 / 3/6/2002
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	1		8260	445134030	2/27/2002 / 3/6/2002
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
12Dibromo-3-chloropropan	<0.33	ug/l	0.33	1.0	1		8260	445134030	2/27/2002 / 3/6/2002
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	1		8260	445134030	2/27/2002 / 3/6/2002
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	1		8260	445134030	2/27/2002 / 3/6/2002
2-Chloroethyl Vinyl Ether	<0.70	ug/l	0.70	2.2	1		8260	445134030	2/27/2002 / 3/6/2002
2-Chlorotoluene	<0.30	ug/l	0.30	0.95	1		8260	445134030	2/27/2002 / 3/6/2002
4-Chlorotoluene	<0.26	ug/l	0.26	0.83	1		8260	445134030	2/27/2002 / 3/6/2002
4-Methyl-2-Pentanone	<0.80	ug/l	0.80	2.5	1		8260	445134030	2/27/2002 / 3/6/2002
Acetone	<1.6	ug/l	1.6	4.9	1		8260	445134030	2/27/2002 / 3/6/2002
Benzene	<0.27	ug/l	0.27	0.86	1		8260	445134030	2/27/2002 / 3/6/2002
Bromobenzene	<0.31	ug/l	0.31	0.99	1		8260	445134030	2/27/2002 / 3/6/2002
Bromochloromethane	<0.37	ug/l	0.37	1.2	1		8260	445134030	2/27/2002 / 3/6/2002
Bromodichloromethane	<0.38	ug/l	0.38	1.2	1		8260	445134030	2/27/2002 / 3/6/2002
Bromoform	<0.39	ug/l	0.39	1.2	1		8260	445134030	2/27/2002 / 3/6/2002
Bromomethane	<0.65	ug/l	0.65	2.1	1		8260	445134030	2/27/2002 / 3/6/2002
Carbon tetrachloride	<0.27	ug/l	0.27	0.86	1		8260	445134030	2/27/2002 / 3/6/2002
Chlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	445134030	2/27/2002 / 3/6/2002
Chloroethane	<0.64	ug/l	0.64	2.0	1		8260	445134030	2/27/2002 / 3/6/2002
Chloroform	<0.24	ug/l	0.24	0.76	1		8260	445134030	2/27/2002 / 3/6/2002
Chloromethane	<0.49	ug/l	0.49	1.6	1		8260	445134030	2/27/2002 / 3/6/2002
cis-1,2-Dichloroethene	<0.27	ug/l	0.27	0.86	1		8260	445134030	2/27/2002 / 3/6/2002
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	1		8260	445134030	2/27/2002 / 3/6/2002
Dibromochloromethane	<0.41	ug/l	0.41	1.3	1		8260	445134030	2/27/2002 / 3/6/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020125**
DATE REPORTED: 18-Mar-02
DATE RECEIVED: 18-Feb-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: msa#212936 quo
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	445134030	2/27/2002 / 3/6/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	445134030	2/27/2002 / 3/6/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	2/27/2002 / 3/6/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	445134030	2/27/2002 / 3/6/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	445134030	2/27/2002 / 3/6/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	445134030	2/27/2002 / 3/6/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	445134030	2/27/2002 / 3/6/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	445134030	2/27/2002 / 3/6/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	445134030	2/27/2002 / 3/6/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	445134030	2/27/2002 / 3/6/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	445134030	2/27/2002 / 3/6/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	2/27/2002 / 3/6/2002
p-Isopropyltoluene	53	ug/l	0.31	0.99	1		8260	445134030	2/27/2002 / 3/6/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	2/27/2002 / 3/6/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	445134030	2/27/2002 / 3/6/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	445134030	2/27/2002 / 3/6/2002
Toluene	4.7	ug/l	0.29	0.92	1		8260	445134030	2/27/2002 / 3/6/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	2/27/2002 / 3/6/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	2/27/2002 / 3/6/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	445134030	2/27/2002 / 3/6/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	445134030	2/27/2002 / 3/6/2002

Sample Number: 27569 QC Prep Batch Number: 1000000 Collection: 2/13/2002 Time: 12:06
Client ID: MW-2 Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	445134030	2/27/2002 / 3/6/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	445134030	2/27/2002 / 3/6/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	445134030	2/27/2002 / 3/6/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	445134030	2/27/2002 / 3/6/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	445134030	2/27/2002 / 3/6/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	445134030	2/27/2002 / 3/6/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	445134030	2/27/2002 / 3/6/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	445134030	2/27/2002 / 3/6/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	445134030	2/27/2002 / 3/6/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	445134030	2/27/2002 / 3/6/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	445134030	2/27/2002 / 3/6/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	445134030	2/27/2002 / 3/6/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	2/27/2002 / 3/6/2002

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020125**
DATE REPORTED: 18-Mar-02
DATE RECEIVED: 18-Feb-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: msa#212936 quo
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,3-Dichlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	445134030	2/27/2002 / 3/6/2002
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	1		8260	445134030	2/27/2002 / 3/6/2002
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
12Dibromo-3-chloropropan	<0.33	ug/l	0.33	1.0	1		8260	445134030	2/27/2002 / 3/6/2002
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	1		8260	445134030	2/27/2002 / 3/6/2002
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	1		8260	445134030	2/27/2002 / 3/6/2002
2-Chloroethyl Vinyl Ether	<0.70	ug/l	0.70	2.2	1		8260	445134030	2/27/2002 / 3/6/2002
2-Chlorotoluene	<0.30	ug/l	0.30	0.95	1		8260	445134030	2/27/2002 / 3/6/2002
4-Chlorotoluene	<0.26	ug/l	0.26	0.83	1		8260	445134030	2/27/2002 / 3/6/2002
4-Methyl-2-Pentanone	<0.80	ug/l	0.80	2.5	1		8260	445134030	2/27/2002 / 3/6/2002
Acetone	<1.6	ug/l	1.6	4.9	1		8260	445134030	2/27/2002 / 3/6/2002
Benzene	<0.27	ug/l	0.27	0.86	1		8260	445134030	2/27/2002 / 3/6/2002
Bromobenzene	<0.31	ug/l	0.31	0.99	1		8260	445134030	2/27/2002 / 3/6/2002
Bromochloromethane	<0.37	ug/l	0.37	1.2	1		8260	445134030	2/27/2002 / 3/6/2002
Bromodichloromethane	<0.38	ug/l	0.38	1.2	1		8260	445134030	2/27/2002 / 3/6/2002
Bromoform	<0.39	ug/l	0.39	1.2	1		8260	445134030	2/27/2002 / 3/6/2002
Bromomethane	<0.65	ug/l	0.65	2.1	1		8260	445134030	2/27/2002 / 3/6/2002
Carbon tetrachloride	<0.27	ug/l	0.27	0.86	1		8260	445134030	2/27/2002 / 3/6/2002
Chlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	445134030	2/27/2002 / 3/6/2002
Chloroethane	<0.64	ug/l	0.64	2.0	1		8260	445134030	2/27/2002 / 3/6/2002
Chloroform	<0.24	ug/l	0.24	0.76	1		8260	445134030	2/27/2002 / 3/6/2002
Chloromethane	<0.49	ug/l	0.49	1.6	1		8260	445134030	2/27/2002 / 3/6/2002
cis-1,2-Dichloroethene	<0.27	ug/l	0.27	0.86	1		8260	445134030	2/27/2002 / 3/6/2002
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	1		8260	445134030	2/27/2002 / 3/6/2002
Dibromochloromethane	<0.41	ug/l	0.41	1.3	1		8260	445134030	2/27/2002 / 3/6/2002
Dibromomethane	<0.46	ug/l	0.46	1.5	1		8260	445134030	2/27/2002 / 3/6/2002
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	1		8260	445134030	2/27/2002 / 3/6/2002
Ethylbenzene	<0.25	ug/l	0.25	0.80	1		8260	445134030	2/27/2002 / 3/6/2002
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	1		8260	445134030	2/27/2002 / 3/6/2002
Isopropyl Ether	<0.30	ug/l	0.30	0.95	1		8260	445134030	2/27/2002 / 3/6/2002
Isopropylbenzene	<0.33	ug/l	0.33	1.0	1		8260	445134030	2/27/2002 / 3/6/2002
m&p-xylene	<0.53	ug/l	0.53	1.7	1		8260	445134030	2/27/2002 / 3/6/2002
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1		8260	445134030	2/27/2002 / 3/6/2002
Methylene chloride	<0.30	ug/l	0.30	0.95	1		8260	445134030	2/27/2002 / 3/6/2002
n-Butylbenzene	<0.36	ug/l	0.36	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
n-Propylbenzene	<0.28	ug/l	0.28	0.89	1		8260	445134030	2/27/2002 / 3/6/2002
Naphthalene	<0.75	ug/l	0.75	2.4	1		8260	445134030	2/27/2002 / 3/6/2002
o-xylene	<0.25	ug/l	0.25	0.80	1		8260	445134030	2/27/2002 / 3/6/2002
p-Isopropyltoluene	10	ug/l	0.31	0.99	1		8260	445134030	2/27/2002 / 3/6/2002
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
Styrene	<0.25	ug/l	0.25	0.80	1		8260	445134030	2/27/2002 / 3/6/2002
tert-Butylbenzene	<0.30	ug/l	0.30	0.95	1		8260	445134030	2/27/2002 / 3/6/2002
Tetrachloroethene	<0.31	ug/l	0.31	0.99	1		8260	445134030	2/27/2002 / 3/6/2002
Toluene	0.86	ug/l	0.29	0.92	1	J	8260	445134030	2/27/2002 / 3/6/2002
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.80	1		8260	445134030	2/27/2002 / 3/6/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020125**
DATE REPORTED: 18-Mar-02
DATE RECEIVED: 18-Feb-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: msa#212936 quo
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	1		8260	445134030	2/27/2002 / 3/6/2002
Trichloroethene	<0.34	ug/l	0.34	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	1		8260	445134030	2/27/2002 / 3/6/2002
Vinyl chloride	<0.20	ug/l	0.20	0.64	1		8260	445134030	2/27/2002 / 3/6/2002

Sample Number: 27570 QC Prep Batch Number: 1000000 Collection: 2/13/2002 Time: 13:50
Client ID: MW-3 Sample Description:

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.70	1		8260	445134030	2/27/2002 / 3/6/2002
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	1		8260	445134030	2/27/2002 / 3/6/2002
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	1		8260	445134030	2/27/2002 / 3/6/2002
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	1		8260	445134030	2/27/2002 / 3/6/2002
1,1-Dichloroethane	<0.32	ug/l	0.32	1.0	1		8260	445134030	2/27/2002 / 3/6/2002
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1		8260	445134030	2/27/2002 / 3/6/2002
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1		8260	445134030	2/27/2002 / 3/6/2002
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1		8260	445134030	2/27/2002 / 3/6/2002
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1		8260	445134030	2/27/2002 / 3/6/2002
1,2,4-Trimethylbenzene	<0.30	ug/l	0.30	0.95	1		8260	445134030	2/27/2002 / 3/6/2002
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	1		8260	445134030	2/27/2002 / 3/6/2002
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1		8260	445134030	2/27/2002 / 3/6/2002
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
1,3-Dichlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	445134030	2/27/2002 / 3/6/2002
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	1		8260	445134030	2/27/2002 / 3/6/2002
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
12Dibromo-3-chloropropan	<0.33	ug/l	0.33	1.0	1		8260	445134030	2/27/2002 / 3/6/2002
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	1		8260	445134030	2/27/2002 / 3/6/2002
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	1		8260	445134030	2/27/2002 / 3/6/2002
2-Chloroethyl Vinyl Ether	<0.70	ug/l	0.70	2.2	1		8260	445134030	2/27/2002 / 3/6/2002
2-Chlorotoluene	<0.30	ug/l	0.30	0.95	1		8260	445134030	2/27/2002 / 3/6/2002
4-Chlorotoluene	<0.26	ug/l	0.26	0.83	1		8260	445134030	2/27/2002 / 3/6/2002
4-Methyl-2-Pentanone	<0.80	ug/l	0.80	2.5	1		8260	445134030	2/27/2002 / 3/6/2002
Acetone	<1.6	ug/l	1.6	4.9	1		8260	445134030	2/27/2002 / 3/6/2002
Benzene	<0.27	ug/l	0.27	0.86	1		8260	445134030	2/27/2002 / 3/6/2002
Bromobenzene	<0.31	ug/l	0.31	0.99	1		8260	445134030	2/27/2002 / 3/6/2002
Bromochloromethane	<0.37	ug/l	0.37	1.2	1		8260	445134030	2/27/2002 / 3/6/2002
Bromodichloromethane	<0.38	ug/l	0.38	1.2	1		8260	445134030	2/27/2002 / 3/6/2002
Bromoform	<0.39	ug/l	0.39	1.2	1		8260	445134030	2/27/2002 / 3/6/2002
Bromomethane	<0.65	ug/l	0.65	2.1	1		8260	445134030	2/27/2002 / 3/6/2002
Carbon tetrachloride	<0.27	ug/l	0.27	0.86	1		8260	445134030	2/27/2002 / 3/6/2002
Chlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	445134030	2/27/2002 / 3/6/2002
Chloroethane	<0.64	ug/l	0.64	2.0	1		8260	445134030	2/27/2002 / 3/6/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020125**
DATE REPORTED: 18-Mar-02
DATE RECEIVED: 18-Feb-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: msa#212936 quo
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Chloroform	<0.24	ug/l	0.24	0.76	1		8260	445134030	2/27/2002 / 3/6/2002
Chloromethane	<0.49	ug/l	0.49	1.6	1		8260	445134030	2/27/2002 / 3/6/2002
cis-1,2-Dichloroethene	<0.27	ug/l	0.27	0.86	1		8260	445134030	2/27/2002 / 3/6/2002
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	1		8260	445134030	2/27/2002 / 3/6/2002
Dibromochloromethane	<0.41	ug/l	0.41	1.3	1		8260	445134030	2/27/2002 / 3/6/2002
Dibromomethane	<0.46	ug/l	0.46	1.5	1		8260	445134030	2/27/2002 / 3/6/2002
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	1		8260	445134030	2/27/2002 / 3/6/2002
Ethylbenzene	<0.25	ug/l	0.25	0.80	1		8260	445134030	2/27/2002 / 3/6/2002
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	1		8260	445134030	2/27/2002 / 3/6/2002
Isopropyl Ether	<0.30	ug/l	0.30	0.95	1		8260	445134030	2/27/2002 / 3/6/2002
Isopropylbenzene	<0.33	ug/l	0.33	1.0	1		8260	445134030	2/27/2002 / 3/6/2002
m&p-xylene	<0.53	ug/l	0.53	1.7	1		8260	445134030	2/27/2002 / 3/6/2002
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1		8260	445134030	2/27/2002 / 3/6/2002
Methylene chloride	<0.30	ug/l	0.30	0.95	1		8260	445134030	2/27/2002 / 3/6/2002
n-Butylbenzene	<0.36	ug/l	0.36	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
n-Propylbenzene	<0.28	ug/l	0.28	0.89	1		8260	445134030	2/27/2002 / 3/6/2002
Naphthalene	<0.75	ug/l	0.75	2.4	1		8260	445134030	2/27/2002 / 3/6/2002
o-xylene	<0.25	ug/l	0.25	0.80	1		8260	445134030	2/27/2002 / 3/6/2002
p-Isopropyltoluene	38	ug/l	0.31	0.99	1		8260	445134030	2/27/2002 / 3/6/2002
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
Styrene	<0.25	ug/l	0.25	0.80	1		8260	445134030	2/27/2002 / 3/6/2002
tert-Butylbenzene	<0.30	ug/l	0.30	0.95	1		8260	445134030	2/27/2002 / 3/6/2002
Tetrachloroethene	<0.31	ug/l	0.31	0.99	1		8260	445134030	2/27/2002 / 3/6/2002
Toluene	1.2	ug/l	0.29	0.92	1		8260	445134030	2/27/2002 / 3/6/2002
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.80	1		8260	445134030	2/27/2002 / 3/6/2002
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	1		8260	445134030	2/27/2002 / 3/6/2002
Trichloroethene	<0.34	ug/l	0.34	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	1		8260	445134030	2/27/2002 / 3/6/2002
Vinyl chloride	<0.20	ug/l	0.20	0.64	1		8260	445134030	2/27/2002 / 3/6/2002

Sample Number: 27571
Client ID: MW-4

QC Prep Batch Number: 1000000

Collection: 2/13/2002 Time: 14:46
Sample Description:

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.70	1		8260	445134030	2/27/2002 / 3/6/2002
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	1		8260	445134030	2/27/2002 / 3/6/2002
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	1		8260	445134030	2/27/2002 / 3/6/2002
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	1		8260	445134030	2/27/2002 / 3/6/2002
1,1-Dichloroethane	<0.32	ug/l	0.32	1.0	1		8260	445134030	2/27/2002 / 3/6/2002
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1		8260	445134030	2/27/2002 / 3/6/2002
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1		8260	445134030	2/27/2002 / 3/6/2002
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1		8260	445134030	2/27/2002 / 3/6/2002
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1		8260	445134030	2/27/2002 / 3/6/2002
1,2,4-Trimethylbenzene	<0.30	ug/l	0.30	0.95	1		8260	445134030	2/27/2002 / 3/6/2002

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020125**
DATE REPORTED: 18-Mar-02
DATE RECEIVED: 18-Feb-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: msa#212936 quo
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	1		8260	445134030	2/27/2002 / 3/6/2002
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1		8260	445134030	2/27/2002 / 3/6/2002
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
1,3-Dichlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	445134030	2/27/2002 / 3/6/2002
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	1		8260	445134030	2/27/2002 / 3/6/2002
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
12Dibromo-3-chloropropan	<0.33	ug/l	0.33	1.0	1		8260	445134030	2/27/2002 / 3/6/2002
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	1		8260	445134030	2/27/2002 / 3/6/2002
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	1		8260	445134030	2/27/2002 / 3/6/2002
2-Chloroethyl Vinyl Ether	<0.70	ug/l	0.70	2.2	1		8260	445134030	2/27/2002 / 3/6/2002
2-Chlorotoluene	<0.30	ug/l	0.30	0.95	1		8260	445134030	2/27/2002 / 3/6/2002
4-Chlorotoluene	<0.26	ug/l	0.26	0.83	1		8260	445134030	2/27/2002 / 3/6/2002
4-Methyl-2-Pentanone	<0.80	ug/l	0.80	2.5	1		8260	445134030	2/27/2002 / 3/6/2002
Acetone	<1.6	ug/l	1.6	4.9	1		8260	445134030	2/27/2002 / 3/6/2002
Benzene	<0.27	ug/l	0.27	0.86	1		8260	445134030	2/27/2002 / 3/6/2002
Bromobenzene	<0.31	ug/l	0.31	0.99	1		8260	445134030	2/27/2002 / 3/6/2002
Bromochloromethane	<0.37	ug/l	0.37	1.2	1		8260	445134030	2/27/2002 / 3/6/2002
Bromodichloromethane	<0.38	ug/l	0.38	1.2	1		8260	445134030	2/27/2002 / 3/6/2002
Bromoform	<0.39	ug/l	0.39	1.2	1		8260	445134030	2/27/2002 / 3/6/2002
Bromomethane	<0.65	ug/l	0.65	2.1	1		8260	445134030	2/27/2002 / 3/6/2002
Carbon tetrachloride	<0.27	ug/l	0.27	0.86	1		8260	445134030	2/27/2002 / 3/6/2002
Chlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	445134030	2/27/2002 / 3/6/2002
Chloroethane	<0.64	ug/l	0.64	2.0	1		8260	445134030	2/27/2002 / 3/6/2002
Chloroform	<0.24	ug/l	0.24	0.76	1		8260	445134030	2/27/2002 / 3/6/2002
Chloromethane	<0.49	ug/l	0.49	1.6	1		8260	445134030	2/27/2002 / 3/6/2002
cis-1,2-Dichloroethene	<0.27	ug/l	0.27	0.86	1		8260	445134030	2/27/2002 / 3/6/2002
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	1		8260	445134030	2/27/2002 / 3/6/2002
Dibromochloromethane	<0.41	ug/l	0.41	1.3	1		8260	445134030	2/27/2002 / 3/6/2002
Dibromomethane	<0.46	ug/l	0.46	1.5	1		8260	445134030	2/27/2002 / 3/6/2002
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	1		8260	445134030	2/27/2002 / 3/6/2002
Ethylbenzene	<0.25	ug/l	0.25	0.80	1		8260	445134030	2/27/2002 / 3/6/2002
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	1		8260	445134030	2/27/2002 / 3/6/2002
Isopropyl Ether	<0.30	ug/l	0.30	0.95	1		8260	445134030	2/27/2002 / 3/6/2002
Isopropylbenzene	<0.33	ug/l	0.33	1.0	1		8260	445134030	2/27/2002 / 3/6/2002
m&p-xylene	0.54	ug/l	0.53	1.7	1	J	8260	445134030	2/27/2002 / 3/6/2002
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1		8260	445134030	2/27/2002 / 3/6/2002
Methylene chloride	<0.30	ug/l	0.30	0.95	1		8260	445134030	2/27/2002 / 3/6/2002
n-Butylbenzene	<0.36	ug/l	0.36	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
n-Propylbenzene	<0.28	ug/l	0.28	0.89	1		8260	445134030	2/27/2002 / 3/6/2002
Naphthalene	<0.75	ug/l	0.75	2.4	1		8260	445134030	2/27/2002 / 3/6/2002
o-xylene	0.29	ug/l	0.25	0.80	1	J	8260	445134030	2/27/2002 / 3/6/2002
p-Isopropyltoluene	10	ug/l	0.31	0.99	1		8260	445134030	2/27/2002 / 3/6/2002
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	1		8260	445134030	2/27/2002 / 3/6/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020125**
DATE REPORTED: 18-Mar-02
DATE RECEIVED: 18-Feb-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: msa#212936 quo
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Styrene	<0.25	ug/l	0.25	0.80	1		8260	445134030	2/27/2002 / 3/6/2002
tert-Butylbenzene	<0.30	ug/l	0.30	0.95	1		8260	445134030	2/27/2002 / 3/6/2002
Tetrachloroethene	<0.31	ug/l	0.31	0.99	1		8260	445134030	2/27/2002 / 3/6/2002
Toluene	1.0	ug/l	0.29	0.92	1		8260	445134030	2/27/2002 / 3/6/2002
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.80	1		8260	445134030	2/27/2002 / 3/6/2002
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	1		8260	445134030	2/27/2002 / 3/6/2002
Trichloroethene	<0.34	ug/l	0.34	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	1		8260	445134030	2/27/2002 / 3/6/2002
Vinyl chloride	<0.20	ug/l	0.20	0.64	1		8260	445134030	2/27/2002 / 3/6/2002

Sample Number: 27572 QC Prep Batch Number: 1000000 Collection: 2/13/2002 Time: 16:28
Client ID: MW-5 Sample Description:

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.70	1		8260	445134030	2/27/2002 / 3/6/2002
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	1		8260	445134030	2/27/2002 / 3/6/2002
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	1		8260	445134030	2/27/2002 / 3/6/2002
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	1		8260	445134030	2/27/2002 / 3/6/2002
1,1-Dichloroethane	<0.32	ug/l	0.32	1.0	1		8260	445134030	2/27/2002 / 3/6/2002
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1		8260	445134030	2/27/2002 / 3/6/2002
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1		8260	445134030	2/27/2002 / 3/6/2002
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1		8260	445134030	2/27/2002 / 3/6/2002
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1		8260	445134030	2/27/2002 / 3/6/2002
1,2,4-Trimethylbenzene	9.1	ug/l	0.30	0.95	1		8260	445134030	2/27/2002 / 3/6/2002
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	1		8260	445134030	2/27/2002 / 3/6/2002
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1		8260	445134030	2/27/2002 / 3/6/2002
1,3,5-Trimethylbenzene	1.1	ug/l	0.34	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
1,3-Dichlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	445134030	2/27/2002 / 3/6/2002
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	1		8260	445134030	2/27/2002 / 3/6/2002
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
12Dibromo-3-chloropropan	<0.33	ug/l	0.33	1.0	1		8260	445134030	2/27/2002 / 3/6/2002
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	1		8260	445134030	2/27/2002 / 3/6/2002
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	1		8260	445134030	2/27/2002 / 3/6/2002
2-Chloroethyl Vinyl Ether	<0.70	ug/l	0.70	2.2	1		8260	445134030	2/27/2002 / 3/6/2002
2-Chlorotoluene	<0.30	ug/l	0.30	0.95	1		8260	445134030	2/27/2002 / 3/6/2002
4-Chlorotoluene	<0.26	ug/l	0.26	0.83	1		8260	445134030	2/27/2002 / 3/6/2002
4-Methyl-2-Pentanone	<0.80	ug/l	0.80	2.5	1		8260	445134030	2/27/2002 / 3/6/2002
Acetone	<1.6	ug/l	1.6	4.9	1		8260	445134030	2/27/2002 / 3/6/2002
Benzene	<0.27	ug/l	0.27	0.86	1		8260	445134030	2/27/2002 / 3/6/2002
Bromobenzene	<0.31	ug/l	0.31	0.99	1		8260	445134030	2/27/2002 / 3/6/2002
Bromochloromethane	<0.37	ug/l	0.37	1.2	1		8260	445134030	2/27/2002 / 3/6/2002
Bromodichloromethane	<0.38	ug/l	0.38	1.2	1		8260	445134030	2/27/2002 / 3/6/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020125**
DATE REPORTED: 18-Mar-02
DATE RECEIVED: 18-Feb-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: msa#212936 quo
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Bromoform	<0.39	ug/l	0.39	1.2	1		8260	445134030	2/27/2002 / 3/6/2002
Bromomethane	<0.65	ug/l	0.65	2.1	1		8260	445134030	2/27/2002 / 3/6/2002
Carbon tetrachloride	<0.27	ug/l	0.27	0.86	1		8260	445134030	2/27/2002 / 3/6/2002
Chlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	445134030	2/27/2002 / 3/6/2002
Chloroethane	<0.64	ug/l	0.64	2.0	1		8260	445134030	2/27/2002 / 3/6/2002
Chloroform	<0.24	ug/l	0.24	0.76	1		8260	445134030	2/27/2002 / 3/6/2002
Chloromethane	<0.49	ug/l	0.49	1.6	1		8260	445134030	2/27/2002 / 3/6/2002
cis-1,2-Dichloroethene	<0.27	ug/l	0.27	0.86	1		8260	445134030	2/27/2002 / 3/6/2002
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	1		8260	445134030	2/27/2002 / 3/6/2002
Dibromochloromethane	<0.41	ug/l	0.41	1.3	1		8260	445134030	2/27/2002 / 3/6/2002
Dibromomethane	<0.46	ug/l	0.46	1.5	1		8260	445134030	2/27/2002 / 3/6/2002
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	1		8260	445134030	2/27/2002 / 3/6/2002
Ethylbenzene	<0.25	ug/l	0.25	0.80	1		8260	445134030	2/27/2002 / 3/6/2002
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	1		8260	445134030	2/27/2002 / 3/6/2002
Isopropyl Ether	<0.30	ug/l	0.30	0.95	1		8260	445134030	2/27/2002 / 3/6/2002
Isopropylbenzene	0.42	ug/l	0.33	1.0	1	J	8260	445134030	2/27/2002 / 3/6/2002
m&p-xylene	1.3	ug/l	0.53	1.7	1	J	8260	445134030	2/27/2002 / 3/6/2002
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1		8260	445134030	2/27/2002 / 3/6/2002
Methylene chloride	<0.30	ug/l	0.30	0.95	1		8260	445134030	2/27/2002 / 3/6/2002
n-Butylbenzene	0.87	ug/l	0.36	1.1	1	J	8260	445134030	2/27/2002 / 3/6/2002
n-Propylbenzene	0.29	ug/l	0.28	0.89	1	J	8260	445134030	2/27/2002 / 3/6/2002
Naphthalene	<0.75	ug/l	0.75	2.4	1		8260	445134030	2/27/2002 / 3/6/2002
o-xylene	0.68	ug/l	0.25	0.80	1	J	8260	445134030	2/27/2002 / 3/6/2002
p-Isopropyltoluene	8.5	ug/l	0.31	0.99	1		8260	445134030	2/27/2002 / 3/6/2002
sec-Butylbenzene	1.1	ug/l	0.34	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
Styrene	<0.25	ug/l	0.25	0.80	1		8260	445134030	2/27/2002 / 3/6/2002
tert-Butylbenzene	<0.30	ug/l	0.30	0.95	1		8260	445134030	2/27/2002 / 3/6/2002
Tetrachloroethene	<0.31	ug/l	0.31	0.99	1		8260	445134030	2/27/2002 / 3/6/2002
Toluene	1.5	ug/l	0.29	0.92	1		8260	445134030	2/27/2002 / 3/6/2002
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.80	1		8260	445134030	2/27/2002 / 3/6/2002
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	1		8260	445134030	2/27/2002 / 3/6/2002
Trichloroethene	<0.34	ug/l	0.34	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	1		8260	445134030	2/27/2002 / 3/6/2002
Vinyl chloride	<0.20	ug/l	0.20	0.64	1		8260	445134030	2/27/2002 / 3/6/2002

Sample Number: 27573 QC Prep Batch Number: 1000000 Collection: 2/13/2002 Time: 15:27
Client ID: MW-6 Sample Description:

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.70	1		8260	445134030	2/27/2002 / 3/6/2002
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	1		8260	445134030	2/27/2002 / 3/6/2002
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	1		8260	445134030	2/27/2002 / 3/6/2002
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	1		8260	445134030	2/27/2002 / 3/6/2002
1,1-Dichloroethane	<0.32	ug/l	0.32	1.0	1		8260	445134030	2/27/2002 / 3/6/2002
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	1		8260	445134030	2/27/2002 / 3/6/2002

APL INC.
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Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020125**
DATE REPORTED: 18-Mar-02
DATE RECEIVED: 18-Feb-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: msa#212936 quo
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1		8260	445134030	2/27/2002 / 3/6/2002
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1		8260	445134030	2/27/2002 / 3/6/2002
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1		8260	445134030	2/27/2002 / 3/6/2002
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1		8260	445134030	2/27/2002 / 3/6/2002
1,2,4-Trimethylbenzene	<0.30	ug/l	0.30	0.95	1		8260	445134030	2/27/2002 / 3/6/2002
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	1		8260	445134030	2/27/2002 / 3/6/2002
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1		8260	445134030	2/27/2002 / 3/6/2002
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
1,3-Dichlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	445134030	2/27/2002 / 3/6/2002
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	1		8260	445134030	2/27/2002 / 3/6/2002
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
12Dibromo-3-chloropropan	<0.33	ug/l	0.33	1.0	1		8260	445134030	2/27/2002 / 3/6/2002
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	1		8260	445134030	2/27/2002 / 3/6/2002
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	1		8260	445134030	2/27/2002 / 3/6/2002
2-Chloroethyl Vinyl Ether	<0.70	ug/l	0.70	2.2	1		8260	445134030	2/27/2002 / 3/6/2002
2-Chlorotoluene	<0.30	ug/l	0.30	0.95	1		8260	445134030	2/27/2002 / 3/6/2002
4-Chlorotoluene	<0.26	ug/l	0.26	0.83	1		8260	445134030	2/27/2002 / 3/6/2002
4-Methyl-2-Pentanone	<0.80	ug/l	0.80	2.5	1		8260	445134030	2/27/2002 / 3/6/2002
Acetone	<1.6	ug/l	1.6	4.9	1		8260	445134030	2/27/2002 / 3/6/2002
Benzene	<0.27	ug/l	0.27	0.86	1		8260	445134030	2/27/2002 / 3/6/2002
Bromobenzene	<0.31	ug/l	0.31	0.99	1		8260	445134030	2/27/2002 / 3/6/2002
Bromochloromethane	<0.37	ug/l	0.37	1.2	1		8260	445134030	2/27/2002 / 3/6/2002
Bromodichloromethane	<0.38	ug/l	0.38	1.2	1		8260	445134030	2/27/2002 / 3/6/2002
Bromoform	<0.39	ug/l	0.39	1.2	1		8260	445134030	2/27/2002 / 3/6/2002
Bromomethane	<0.65	ug/l	0.65	2.1	1		8260	445134030	2/27/2002 / 3/6/2002
Carbon tetrachloride	<0.27	ug/l	0.27	0.86	1		8260	445134030	2/27/2002 / 3/6/2002
Chlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	445134030	2/27/2002 / 3/6/2002
Chloroethane	<0.64	ug/l	0.64	2.0	1		8260	445134030	2/27/2002 / 3/6/2002
Chloroform	<0.24	ug/l	0.24	0.76	1		8260	445134030	2/27/2002 / 3/6/2002
Chloromethane	<0.49	ug/l	0.49	1.6	1		8260	445134030	2/27/2002 / 3/6/2002
cis-1,2-Dichloroethene	<0.27	ug/l	0.27	0.86	1		8260	445134030	2/27/2002 / 3/6/2002
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	1		8260	445134030	2/27/2002 / 3/6/2002
Dibromochloromethane	<0.41	ug/l	0.41	1.3	1		8260	445134030	2/27/2002 / 3/6/2002
Dibromomethane	<0.46	ug/l	0.46	1.5	1		8260	445134030	2/27/2002 / 3/6/2002
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	1		8260	445134030	2/27/2002 / 3/6/2002
Ethylbenzene	<0.25	ug/l	0.25	0.80	1		8260	445134030	2/27/2002 / 3/6/2002
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	1		8260	445134030	2/27/2002 / 3/6/2002
Isopropyl Ether	<0.30	ug/l	0.30	0.95	1		8260	445134030	2/27/2002 / 3/6/2002
Isopropylbenzene	<0.33	ug/l	0.33	1.0	1		8260	445134030	2/27/2002 / 3/6/2002
m&p-xylene	<0.53	ug/l	0.53	1.7	1		8260	445134030	2/27/2002 / 3/6/2002
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1		8260	445134030	2/27/2002 / 3/6/2002
Methylene chloride	<0.30	ug/l	0.30	0.95	1		8260	445134030	2/27/2002 / 3/6/2002
n-Butylbenzene	<0.36	ug/l	0.36	1.1	1		8260	445134030	2/27/2002 / 3/6/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020125**
DATE REPORTED: 18-Mar-02
DATE RECEIVED: 18-Feb-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: msa#212936 quo
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
n-Propylbenzene	<0.28	ug/l	0.28	0.89	1		8260	445134030	2/27/2002 / 3/6/2002
Naphthalene	<0.75	ug/l	0.75	2.4	1		8260	445134030	2/27/2002 / 3/6/2002
o-xylene	<0.25	ug/l	0.25	0.80	1		8260	445134030	2/27/2002 / 3/6/2002
p-Isopropyltoluene	180	ug/l	0.31	0.99	1		8260	445134030	2/27/2002 / 3/6/2002
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
Styrene	<0.25	ug/l	0.25	0.80	1		8260	445134030	2/27/2002 / 3/6/2002
tert-Butylbenzene	<0.30	ug/l	0.30	0.95	1		8260	445134030	2/27/2002 / 3/6/2002
Tetrachloroethene	<0.31	ug/l	0.31	0.99	1		8260	445134030	2/27/2002 / 3/6/2002
Toluene	5.3	ug/l	0.29	0.92	1		8260	445134030	2/27/2002 / 3/6/2002
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.80	1		8260	445134030	2/27/2002 / 3/6/2002
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	1		8260	445134030	2/27/2002 / 3/6/2002
Trichloroethene	<0.34	ug/l	0.34	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	1		8260	445134030	2/27/2002 / 3/6/2002
Vinyl chloride	<0.20	ug/l	0.20	0.64	1		8260	445134030	2/27/2002 / 3/6/2002

Sample Number: 27574
Client ID: Field Blank

QC Prep Batch Number: 1000000

Collection: 2/13/2002 Time: 13:41
Sample Description:

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.70	1		8260	445134030	2/27/2002 / 3/6/2002
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	1		8260	445134030	2/27/2002 / 3/6/2002
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	1		8260	445134030	2/27/2002 / 3/6/2002
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	1		8260	445134030	2/27/2002 / 3/6/2002
1,1-Dichloroethane	<0.32	ug/l	0.32	1.0	1		8260	445134030	2/27/2002 / 3/6/2002
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1		8260	445134030	2/27/2002 / 3/6/2002
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1		8260	445134030	2/27/2002 / 3/6/2002
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1		8260	445134030	2/27/2002 / 3/6/2002
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1		8260	445134030	2/27/2002 / 3/6/2002
1,2,4-Trimethylbenzene	<0.30	ug/l	0.30	0.95	1		8260	445134030	2/27/2002 / 3/6/2002
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	1		8260	445134030	2/27/2002 / 3/6/2002
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1		8260	445134030	2/27/2002 / 3/6/2002
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
1,3-Dichlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	445134030	2/27/2002 / 3/6/2002
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	1		8260	445134030	2/27/2002 / 3/6/2002
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
12Dibromo-3-chloropropan	<0.33	ug/l	0.33	1.0	1		8260	445134030	2/27/2002 / 3/6/2002
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	1		8260	445134030	2/27/2002 / 3/6/2002
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	1		8260	445134030	2/27/2002 / 3/6/2002
2-Chloroethyl Vinyl Ether	<0.70	ug/l	0.70	2.2	1		8260	445134030	2/27/2002 / 3/6/2002
2-Chlorotoluene	<0.30	ug/l	0.30	0.95	1		8260	445134030	2/27/2002 / 3/6/2002
4-Chlorotoluene	<0.26	ug/l	0.26	0.83	1		8260	445134030	2/27/2002 / 3/6/2002
4-Methyl-2-Pentanone	<0.80	ug/l	0.80	2.5	1		8260	445134030	2/27/2002 / 3/6/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020125**
DATE REPORTED: 18-Mar-02
DATE RECEIVED: 18-Feb-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: msa#212936 quo
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	445134030	2/27/2002 / 3/6/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	445134030	2/27/2002 / 3/6/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	445134030	2/27/2002 / 3/6/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	445134030	2/27/2002 / 3/6/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	445134030	2/27/2002 / 3/6/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	445134030	2/27/2002 / 3/6/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	445134030	2/27/2002 / 3/6/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	445134030	2/27/2002 / 3/6/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	2/27/2002 / 3/6/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	445134030	2/27/2002 / 3/6/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	445134030	2/27/2002 / 3/6/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	445134030	2/27/2002 / 3/6/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	445134030	2/27/2002 / 3/6/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	445134030	2/27/2002 / 3/6/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	445134030	2/27/2002 / 3/6/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	445134030	2/27/2002 / 3/6/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	445134030	2/27/2002 / 3/6/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	2/27/2002 / 3/6/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	445134030	2/27/2002 / 3/6/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	445134030	2/27/2002 / 3/6/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	445134030	2/27/2002 / 3/6/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	445134030	2/27/2002 / 3/6/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	445134030	2/27/2002 / 3/6/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	445134030	2/27/2002 / 3/6/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	445134030	2/27/2002 / 3/6/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	445134030	2/27/2002 / 3/6/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	2/27/2002 / 3/6/2002
p-Isopropyltoluene	1.3	ug/l	0.31	0.99	1		8260	445134030	2/27/2002 / 3/6/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	2/27/2002 / 3/6/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	445134030	2/27/2002 / 3/6/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	445134030	2/27/2002 / 3/6/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	445134030	2/27/2002 / 3/6/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	2/27/2002 / 3/6/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	2/27/2002 / 3/6/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	445134030	2/27/2002 / 3/6/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	445134030	2/27/2002 / 3/6/2002

Sample Number: 27575 QC Prep Batch Number: 1000000 Collection: 2/13/2002 Time:
Client ID: Trip Blank Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	445134030	2/27/2002 / 3/6/2002

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020125**
DATE REPORTED: 18-Mar-02
DATE RECEIVED: 18-Feb-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: msa#212936 quo
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	445134030	2/27/2002 / 3/6/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	445134030	2/27/2002 / 3/6/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	445134030	2/27/2002 / 3/6/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	445134030	2/27/2002 / 3/6/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	445134030	2/27/2002 / 3/6/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	445134030	2/27/2002 / 3/6/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	445134030	2/27/2002 / 3/6/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	445134030	2/27/2002 / 3/6/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	445134030	2/27/2002 / 3/6/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	445134030	2/27/2002 / 3/6/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	445134030	2/27/2002 / 3/6/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	2/27/2002 / 3/6/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	445134030	2/27/2002 / 3/6/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	445134030	2/27/2002 / 3/6/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	445134030	2/27/2002 / 3/6/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	445134030	2/27/2002 / 3/6/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	445134030	2/27/2002 / 3/6/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	445134030	2/27/2002 / 3/6/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	2/27/2002 / 3/6/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	445134030	2/27/2002 / 3/6/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	445134030	2/27/2002 / 3/6/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	445134030	2/27/2002 / 3/6/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	445134030	2/27/2002 / 3/6/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	445134030	2/27/2002 / 3/6/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	445134030	2/27/2002 / 3/6/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	445134030	2/27/2002 / 3/6/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	445134030	2/27/2002 / 3/6/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	445134030	2/27/2002 / 3/6/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	2/27/2002 / 3/6/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	445134030	2/27/2002 / 3/6/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	445134030	2/27/2002 / 3/6/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	445134030	2/27/2002 / 3/6/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	445134030	2/27/2002 / 3/6/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	445134030	2/27/2002 / 3/6/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	445134030	2/27/2002 / 3/6/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	445134030	2/27/2002 / 3/6/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	445134030	2/27/2002 / 3/6/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	2/27/2002 / 3/6/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	445134030	2/27/2002 / 3/6/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	445134030	2/27/2002 / 3/6/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020125**
DATE REPORTED: 18-Mar-02
DATE RECEIVED: 18-Feb-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: msa#212936 quo
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Isopropylbenzene	<0.33	ug/l	0.33	1.0	1		8260	445134030	2/27/2002 / 3/6/2002
m&p-xylene	<0.53	ug/l	0.53	1.7	1		8260	445134030	2/27/2002 / 3/6/2002
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1		8260	445134030	2/27/2002 / 3/6/2002
Methylene chloride	<0.30	ug/l	0.30	0.95	1		8260	445134030	2/27/2002 / 3/6/2002
n-Butylbenzene	<0.36	ug/l	0.36	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
n-Propylbenzene	<0.28	ug/l	0.28	0.89	1		8260	445134030	2/27/2002 / 3/6/2002
Naphthalene	<0.75	ug/l	0.75	2.4	1		8260	445134030	2/27/2002 / 3/6/2002
o-xylene	<0.25	ug/l	0.25	0.80	1		8260	445134030	2/27/2002 / 3/6/2002
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	1		8260	445134030	2/27/2002 / 3/6/2002
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
Styrene	<0.25	ug/l	0.25	0.80	1		8260	445134030	2/27/2002 / 3/6/2002
tert-Butylbenzene	<0.30	ug/l	0.30	0.95	1		8260	445134030	2/27/2002 / 3/6/2002
Tetrachloroethene	<0.31	ug/l	0.31	0.99	1		8260	445134030	2/27/2002 / 3/6/2002
Toluene	<0.29	ug/l	0.29	0.92	1		8260	445134030	2/27/2002 / 3/6/2002
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.80	1		8260	445134030	2/27/2002 / 3/6/2002
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	1		8260	445134030	2/27/2002 / 3/6/2002
Trichloroethene	<0.34	ug/l	0.34	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	1		8260	445134030	2/27/2002 / 3/6/2002
Vinyl chloride	<0.20	ug/l	0.20	0.64	1		8260	445134030	2/27/2002 / 3/6/2002

Sample Number: 27576 — QC Prep Batch Number: 1000000 — Collection: 2/13/2002 — Time: 16:28
Client ID: dup. MW-5 — Sample Description:

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.70	1		8260	445134030	2/27/2002 / 3/6/2002
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	1		8260	445134030	2/27/2002 / 3/6/2002
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	1		8260	445134030	2/27/2002 / 3/6/2002
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	1		8260	445134030	2/27/2002 / 3/6/2002
1,1-Dichloroethane	<0.32	ug/l	0.32	1.0	1		8260	445134030	2/27/2002 / 3/6/2002
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1		8260	445134030	2/27/2002 / 3/6/2002
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1		8260	445134030	2/27/2002 / 3/6/2002
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1		8260	445134030	2/27/2002 / 3/6/2002
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1		8260	445134030	2/27/2002 / 3/6/2002
1,2,4-Trimethylbenzene	9.0	ug/l	0.30	0.95	1		8260	445134030	2/27/2002 / 3/6/2002
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	1		8260	445134030	2/27/2002 / 3/6/2002
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1		8260	445134030	2/27/2002 / 3/6/2002
1,3,5-Trimethylbenzene	1.0	ug/l	0.34	1.1	1	J	8260	445134030	2/27/2002 / 3/6/2002
1,3-Dichlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	445134030	2/27/2002 / 3/6/2002
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	1		8260	445134030	2/27/2002 / 3/6/2002
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
12Dibromo-3-chloropropan	<0.33	ug/l	0.33	1.0	1		8260	445134030	2/27/2002 / 3/6/2002
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	1		8260	445134030	2/27/2002 / 3/6/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020125**
DATE REPORTED: 18-Mar-02
DATE RECEIVED: 18-Feb-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: msa#212936 quo
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	1		8260	445134030	2/27/2002 / 3/6/2002
2-Chloroethyl Vinyl Ether	<0.70	ug/l	0.70	2.2	1		8260	445134030	2/27/2002 / 3/6/2002
2-Chlorotoluene	<0.30	ug/l	0.30	0.95	1		8260	445134030	2/27/2002 / 3/6/2002
4-Chlorotoluene	<0.26	ug/l	0.26	0.83	1		8260	445134030	2/27/2002 / 3/6/2002
4-Methyl-2-Pentanone	<0.80	ug/l	0.80	2.5	1		8260	445134030	2/27/2002 / 3/6/2002
Acetone	<1.6	ug/l	1.6	4.9	1		8260	445134030	2/27/2002 / 3/6/2002
Benzene	<0.27	ug/l	0.27	0.86	1		8260	445134030	2/27/2002 / 3/6/2002
Bromobenzene	<0.31	ug/l	0.31	0.99	1		8260	445134030	2/27/2002 / 3/6/2002
Bromochloromethane	<0.37	ug/l	0.37	1.2	1		8260	445134030	2/27/2002 / 3/6/2002
Bromodichloromethane	<0.38	ug/l	0.38	1.2	1		8260	445134030	2/27/2002 / 3/6/2002
Bromoform	<0.39	ug/l	0.39	1.2	1		8260	445134030	2/27/2002 / 3/6/2002
Bromomethane	<0.65	ug/l	0.65	2.1	1		8260	445134030	2/27/2002 / 3/6/2002
Carbon tetrachloride	<0.27	ug/l	0.27	0.86	1		8260	445134030	2/27/2002 / 3/6/2002
Chlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	445134030	2/27/2002 / 3/6/2002
Chloroethane	<0.64	ug/l	0.64	2.0	1		8260	445134030	2/27/2002 / 3/6/2002
Chloroform	<0.24	ug/l	0.24	0.76	1		8260	445134030	2/27/2002 / 3/6/2002
Chloromethane	<0.49	ug/l	0.49	1.6	1		8260	445134030	2/27/2002 / 3/6/2002
cis-1,2-Dichloroethene	<0.27	ug/l	0.27	0.86	1		8260	445134030	2/27/2002 / 3/6/2002
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	1		8260	445134030	2/27/2002 / 3/6/2002
Dibromochloromethane	<0.41	ug/l	0.41	1.3	1		8260	445134030	2/27/2002 / 3/6/2002
Dibromomethane	<0.46	ug/l	0.46	1.5	1		8260	445134030	2/27/2002 / 3/6/2002
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	1		8260	445134030	2/27/2002 / 3/6/2002
Ethylbenzene	<0.25	ug/l	0.25	0.80	1		8260	445134030	2/27/2002 / 3/6/2002
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	1		8260	445134030	2/27/2002 / 3/6/2002
Isopropyl Ether	<0.30	ug/l	0.30	0.95	1		8260	445134030	2/27/2002 / 3/6/2002
Isopropylbenzene	0.40	ug/l	0.33	1.0	1	J	8260	445134030	2/27/2002 / 3/6/2002
m&p-xylene	1.2	ug/l	0.53	1.7	1	J	8260	445134030	2/27/2002 / 3/6/2002
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1		8260	445134030	2/27/2002 / 3/6/2002
Methylene chloride	<0.30	ug/l	0.30	0.95	1		8260	445134030	2/27/2002 / 3/6/2002
n-Butylbenzene	1.3	ug/l	0.36	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
n-Propylbenzene	0.31	ug/l	0.28	0.89	1	J	8260	445134030	2/27/2002 / 3/6/2002
Naphthalene	<0.75	ug/l	0.75	2.4	1		8260	445134030	2/27/2002 / 3/6/2002
o-xylene	0.71	ug/l	0.25	0.80	1	J	8260	445134030	2/27/2002 / 3/6/2002
p-Isopropyltoluene	8.6	ug/l	0.31	0.99	1		8260	445134030	2/27/2002 / 3/6/2002
sec-Butylbenzene	1.2	ug/l	0.34	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
Styrene	<0.25	ug/l	0.25	0.80	1		8260	445134030	2/27/2002 / 3/6/2002
tert-Butylbenzene	<0.30	ug/l	0.30	0.95	1		8260	445134030	2/27/2002 / 3/6/2002
Tetrachloroethene	<0.31	ug/l	0.31	0.99	1		8260	445134030	2/27/2002 / 3/6/2002
Toluene	1.4	ug/l	0.29	0.92	1		8260	445134030	2/27/2002 / 3/6/2002
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.80	1		8260	445134030	2/27/2002 / 3/6/2002
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	1		8260	445134030	2/27/2002 / 3/6/2002
Trichloroethene	<0.34	ug/l	0.34	1.1	1		8260	445134030	2/27/2002 / 3/6/2002
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	1		8260	445134030	2/27/2002 / 3/6/2002
Vinyl chloride	<0.20	ug/l	0.20	0.64	1		8260	445134030	2/27/2002 / 3/6/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20020125**
DATE REPORTED:	18-Mar-02
DATE RECEIVED:	18-Feb-02
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	msa#212936 quo
PROJECT NAME:	Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal

Approved By: **Date:** 3/18/02
James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range .
LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
RQ : Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample
"O" = Significant peaks outside of the GRO or DRO retention time wiindows
Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20020125**
DATE REPORTED: 06-May-02
DATE RECEIVED: 18-Feb-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: msa#212936 quo
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Sample Number: 27568	Matrix: GW						Collection: 2/13/2002		Time: 10:45	
Client ID: **MW-1**							Sample Description:			
Arsenic - ICAP	**<0.042**	**mg/l**	**RJ**	0.042	0.13	200.7	ez	2/27/2002	*1000580*	
Cadmium - ICAP	**<0.007**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	2/27/2002	*1000580*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	2/27/2002	*1000580*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	2/27/2002	*1000580*	
Iron - ICAP	**39**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	2/27/2002	*1000580*	
Lead - ICAP	**<0.049**	**mg/l**	**RJ**	0.049	0.16	200.7	ez	2/27/2002	*1000580*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	ez	2/27/2002	*1000580*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	ez	2/27/2002	*1000580*	
Sample Number: 27569	Matrix: GW						Collection: 2/13/2002		Time: 12:06	
Client ID: **MW-2**							Sample Description:			
Arsenic - ICAP	**<0.042**	**mg/l**	**RJ**	0.042	0.13	200.7	ez	2/27/2002	*1000582*	
Cadmium - ICAP	**<0.007**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	2/27/2002	*1000582*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	2/27/2002	*1000582*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	2/27/2002	*1000582*	
Iron - ICAP	**74**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	2/27/2002	*1000582*	
Lead - ICAP	**<0.049**	**mg/l**	**RJ**	0.049	0.16	200.7	ez	2/27/2002	*1000582*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	ez	2/27/2002	*1000582*	
Zinc - ICAP	**0.04**	**mg/l**	***J*** **RJ**	0.014	0.04	200.7	ez	2/27/2002	*1000582*	
Sample Number: 27570	Matrix: GW						Collection: 2/13/2002		Time: 13:50	
Client ID: **MW-3**							Sample Description:			
Arsenic - ICAP	**<0.042**	**mg/l**	**RJ**	0.042	0.13	200.7	ez	2/27/2002	*1000580*	
Cadmium - ICAP	**<0.008**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	2/27/2002	*1000580*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	2/27/2002	*1000580*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	2/27/2002	*1000580*	
Iron - ICAP	**28**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	2/27/2002	*1000580*	
Lead - ICAP	**<0.049**	**mg/l**	**RJ**	0.049	0.16	200.7	ez	2/27/2002	*1000580*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	ez	2/27/2002	*1000580*	
Zinc - ICAP	**0.02**	**mg/l**	***J*** **RJ**	0.014	0.04	200.7	ez	2/27/2002	*1000580*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20020125**
DATE REPORTED: 06-May-02
DATE RECEIVED: 18-Feb-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: msa#212936 quo
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Sample Number: 27571	Matrix: GW						Collection: 2/13/2002		Time: 14:46	
Client ID: **MW-4**							Sample Description:			
Arsenic - ICAP	**<0.042**	**mg/l**	**RJ**	0.042	0.13	200.7	ez	2/27/2002	*1000580*	
Cadmium - ICAP	**<0.007**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	2/27/2002	*1000580*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	2/27/2002	*1000580*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	2/27/2002	*1000580*	
Iron - ICAP	**10**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	2/27/2002	*1000580*	
Lead - ICAP	**<0.049**	**mg/l**	**RJ**	0.049	0.16	200.7	ez	2/27/2002	*1000580*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	ez	2/27/2002	*1000580*	
Zinc - ICAP	**0.02**	**mg/l**	***J*** **RJ**	0.014	0.04	200.7	ez	2/27/2002	*1000580*	
Sample Number: 27572	Matrix: GW						Collection: 2/13/2002		Time: 16:28	
Client ID: **MW-5**							Sample Description:			
Arsenic - ICAP	**<0.042**	**mg/l**	**RJ**	0.042	0.13	200.7	ez	2/27/2002	*1000580*	
Cadmium - ICAP	**<0.007**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	2/27/2002	*1000580*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	2/27/2002	*1000580*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	2/27/2002	*1000580*	
Iron - ICAP	**3.6**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	2/27/2002	*1000580*	
Lead - ICAP	**<0.049**	**mg/l**	**RJ**	0.049	0.16	200.7	ez	2/27/2002	*1000580*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	ez	2/27/2002	*1000580*	
Zinc - ICAP	**0.03**	**mg/l**	***J*** **RJ**	0.014	0.04	200.7	ez	2/27/2002	*1000580*	
Sample Number: 27573	Matrix: GW						Collection: 2/13/2002		Time: 15:27	
Client ID: **MW-6**							Sample Description:			
Arsenic - ICAP	**<0.042**	**mg/l**	**RJ**	0.042	0.13	200.7	ez	2/27/2002	*1000580*	
Cadmium - ICAP	**<0.007**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	2/27/2002	*1000580*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	2/27/2002	*1000580*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	2/27/2002	*1000580*	
Iron - ICAP	**40**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	2/27/2002	*1000580*	
Lead - ICAP	**<0.049**	**mg/l**	**RJ**	0.049	0.16	200.7	ez	2/27/2002	*1000580*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	ez	2/27/2002	*1000580*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	ez	2/27/2002	*1000580*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20020125**
DATE REPORTED: 06-May-02
DATE RECEIVED: 18-Feb-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: msa#212936 quo
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Sample Number: 27576 Matrix: GW
Client ID: **dup. MW-5**
Collection: 2/13/2002 Time: 16:28
Sample Description:

Test	Result	Units		RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - ICAP	**<0.042**	**mg/l**		**RJ**	0.042	0.13	200.7	ez	2/27/2002	*1000580*	
Cadmium - ICAP	**<0.007**	**mg/l**		**RJ**	0.007	0.02	200.7	ez	2/27/2002	*1000580*	
Chromium, Total - ICAP	**<0.008**	**mg/l**		**RJ**	0.008	0.03	200.7	ez	2/27/2002	*1000580*	
Copper- ICAP	**<0.006**	**mg/l**		**RJ**	0.006	0.02	200.7	ez	2/27/2002	*1000580*	
Copper- ICAP	**<0.006**	**mg/l**		**RJ**	0.006	0.02	200.7	ez	2/27/2002	*1000580*	
Iron - ICAP	**3.3**	**mg/l**		**RJ**	0.081	0.26	200.7	ez	2/27/2002	*1000580*	
Lead - ICAP	**<0.049**	**mg/l**		**RJ**	0.049	0.16	200.7	ez	2/27/2002	*1000580*	
Zinc - ICAP	**0.03**	**mg/l**	*J*	**RJ**	0.014	0.04	200.7	ez	2/27/2002	*1000580*	

Approved By: _____ **Date:** 5/6/02
James Chang, Ph.D., Lab Director

RJ *Result expressed as Total.*

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B *"J" = Results between LOD and LOQ* *"#" = no LOD or LOQ required.*
LOQ = 10 (S) x Dilution Facor, where "S" is the Standard Deviation from the MDL Study
LOD = 3.143 (S) x Dilution Facor, where "S" is the Standard Deviation from the MDL Study

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020125**
DATE REPORTED: 18-Mar-02
DATE RECEIVED: 18-Feb-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: msa#212936 quo
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Sample Number: 27568 QC Prep Batch Number: 1000010 Collection: 2/13/2002 Time: 10:45
Client ID: MW-1 Sample Description:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,2,4,5-Tetrachlorobenzene	< 0.76	ug/l	0.76	2.4	2		8270	qh	2/19/2002 / 3/7/2002
1,2,4-Trichlorobenzene	< 0.82	ug/l	0.82	2.6	2		8270	qh	2/19/2002 / 3/7/2002
1,2-Dichlorobenzene	< 0.56	ug/l	0.56	1.8	2		8270	qh	2/19/2002 / 3/7/2002
1,2-Diphenylhydrazine	< 0.90	ug/l	0.90	2.9	2		8270	qh	2/19/2002 / 3/7/2002
1,3-Dichlorobenzene	< 0.48	ug/l	0.48	1.5	2		8270	qh	2/19/2002 / 3/7/2002
1,3-Dinitrobenzene	< 0.56	ug/l	0.56	1.8	2		8270	qh	2/19/2002 / 3/7/2002
1,4-Dichlorobenzene	< 0.46	ug/l	0.46	1.5	2		8270	qh	2/19/2002 / 3/7/2002
1,4-Napthoquinone	< 0.50	ug/l	0.50	1.6	2		8270	qh	2/19/2002 / 3/7/2002
1-Methylnaphthalene	< 0.60	ug/l	0.60	1.9	2		8270	qh	2/19/2002 / 3/7/2002
2,3,4,6-Tetrachlorophenol	< 0.78	ug/l	0.78	2.5	2		8270	qh	2/19/2002 / 3/7/2002
2,4,5-Trichlorophenol	< 0.94	ug/l	0.94	3.0	2		8270	qh	2/19/2002 / 3/7/2002
2,4,6-Trichlorophenol	< 0.76	ug/l	0.76	2.4	2		8270	qh	2/19/2002 / 3/7/2002
2,4-Dichlorophenol	< 0.86	ug/l	0.86	2.7	2		8270	qh	2/19/2002 / 3/7/2002
2,4-Dimethylphenol	< 4.1	ug/l	4.1	13	2		8270	qh	2/19/2002 / 3/7/2002
2,4-Dinitrophenol	< 1.2	ug/l	1.2	3.8	2		8270	qh	2/19/2002 / 3/7/2002
2,4-Dinitrotoluene	< 0.90	ug/l	0.90	2.9	2		8270	qh	2/19/2002 / 3/7/2002
2,6-Dichlorophenol	< 0.94	ug/l	0.94	3.0	2		8270	qh	2/19/2002 / 3/7/2002
2,6-Dinitrotoluene	< 0.66	ug/l	0.66	2.1	2		8270	qh	2/19/2002 / 3/7/2002
2-Chloronaphthalene	< 0.86	ug/l	0.86	2.7	2		8270	qh	2/19/2002 / 3/7/2002
2-Chlorophenol	< 1.6	ug/l	1.6	5.0	2		8270	qh	2/19/2002 / 3/7/2002
2-Methyl-4,6-Dinitrophenol	< 1.1	ug/l	1.1	3.4	2		8270	qh	2/19/2002 / 3/7/2002
2-Methylnaphthalene	< 0.76	ug/l	0.76	2.4	2		8270	qh	2/19/2002 / 3/7/2002
2-Methylphenol	< 0.68	ug/l	0.68	2.2	2		8270	qh	2/19/2002 / 3/7/2002
2-Nitroaniline	< 0.64	ug/l	0.64	2.0	2		8270	qh	2/19/2002 / 3/7/2002
2-Nitrophenol	< 1.0	ug/l	1.0	3.3	2		8270	qh	2/19/2002 / 3/7/2002
3,3'-Dichlorobenzidine	< 1.3	ug/l	1.3	4.2	2		8270	qh	2/19/2002 / 3/7/2002
3,3'-Dimethylbenzidine	< 1.0	ug/l	1.0	3.2	2		8270	qh	2/19/2002 / 3/7/2002
3- + 4-Methylphenol	< 0.80	ug/l	0.80	2.5	2		8270	qh	2/19/2002 / 3/7/2002
3-Nitroaniline	< 0.92	ug/l	0.92	2.9	2		8270	qh	2/19/2002 / 3/7/2002
4-Bromophenyl phenyl ether	< 0.36	ug/l	0.36	1.1	2		8270	qh	2/19/2002 / 3/7/2002
4-Chloro-3-methyl phenol	< 6.7	ug/l	6.7	21	2		8270	qh	2/19/2002 / 3/7/2002
4-Chloroaniline	< 1.1	ug/l	1.1	3.4	2		8270	qh	2/19/2002 / 3/7/2002
4-Chlorophenyl phenyl ether	< 0.66	ug/l	0.66	2.1	2		8270	qh	2/19/2002 / 3/7/2002
4-Nitroaniline	< 0.78	ug/l	0.78	2.5	2		8270	qh	2/19/2002 / 3/7/2002
4-Nitrophenol	< 3.3	ug/l	3.3	10	2		8270	qh	2/19/2002 / 3/7/2002
Acenaphthene	< 0.56	ug/l	0.56	1.8	2		8270	qh	2/19/2002 / 3/7/2002
Acenaphthylene	< 0.62	ug/l	0.62	2.0	2		8270	qh	2/19/2002 / 3/7/2002
Analine	< 0.76	ug/l	0.76	2.4	2		8270	qh	2/19/2002 / 3/7/2002
Anthracene	< 0.62	ug/l	0.62	2.0	2		8270	qh	2/19/2002 / 3/7/2002
Benzidine	< 1.2	ug/l	1.2	3.9	2		8270	qh	2/19/2002 / 3/7/2002
Benzo (a) anthracene	< 1.1	ug/l	1.1	3.5	2		8270	qh	2/19/2002 / 3/7/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020125**
DATE REPORTED: 18-Mar-02
DATE RECEIVED: 18-Feb-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: msa#212936 quo
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Benzo (a) pyrene	<0.38	ug/l	0.38	1.2	2		8270	qh	2/19/2002 / 3/7/2002
Benzo (b) fluoranthene	<0.74	ug/l	0.74	2.4	2		8270	qh	2/19/2002 / 3/7/2002
Benzo (g,h,i) perylene	<0.38	ug/l	0.38	1.2	2		8270	qh	2/19/2002 / 3/7/2002
Benzo (k) fluoranthene	<0.56	ug/l	0.56	1.8	2		8270	qh	2/19/2002 / 3/7/2002
Benzyl alcohol	<1.4	ug/l	1.4	4.5	2		8270	qh	2/19/2002 / 3/7/2002
Bis (2-chloroethoxy)methane	<0.56	ug/l	0.56	1.8	2		8270	qh	2/19/2002 / 3/7/2002
Bis (2-chloroethyl) ether	<0.90	ug/l	0.90	2.9	2		8270	qh	2/19/2002 / 3/7/2002
Bis (2-chloroisopropyl) ether	<0.48	ug/l	0.48	1.5	2		8270	qh	2/19/2002 / 3/7/2002
Bis (2-ethylhexyl) phthalate	2.0	ug/l	1.3	4.1	2	J	8270	qh	2/19/2002 / 3/7/2002
Butyl benzyl phthalate	<1.1	ug/l	1.1	3.4	2		8270	qh	2/19/2002 / 3/7/2002
Chrysene	<1.1	ug/l	1.1	3.4	2		8270	qh	2/19/2002 / 3/7/2002
Di-n-butylphthalate	1.5	ug/l	0.56	1.8	2	J	8270	qh	2/19/2002 / 3/7/2002
Di-n-octylphthalate	<0.56	ug/l	0.56	1.8	2		8270	qh	2/19/2002 / 3/7/2002
Dibenz (a,h) anthracene	<0.38	ug/l	0.38	1.2	2		8270	qh	2/19/2002 / 3/7/2002
Dibenzofuran	<0.62	ug/l	0.62	2.0	2		8270	qh	2/19/2002 / 3/7/2002
Diethylphthalate	<0.62	ug/l	0.62	2.0	2		8270	qh	2/19/2002 / 3/7/2002
Dimethylphthalate	<0.60	ug/l	0.60	1.9	2		8270	qh	2/19/2002 / 3/7/2002
Fluoranthene	<0.88	ug/l	0.88	2.8	2		8270	qh	2/19/2002 / 3/7/2002
Fluorene	<0.38	ug/l	0.38	1.2	2		8270	qh	2/19/2002 / 3/7/2002
Hexachlorobenzene	<0.42	ug/l	0.42	1.3	2		8270	qh	2/19/2002 / 3/7/2002
Hexachlorobutadiene	<0.30	ug/l	0.30	0.95	2		8270	qh	2/19/2002 / 3/7/2002
Hexachlorocyclopentadiene	<1.2	ug/l	1.2	3.8	2		8270	qh	2/19/2002 / 3/7/2002
Hexachloroethane	<0.40	ug/l	0.40	1.3	2		8270	qh	2/19/2002 / 3/7/2002
Hexachloropropylene	<0.58	ug/l	0.58	1.8	2		8270	qh	2/19/2002 / 3/7/2002
Indeno (1,2,3-cd)pyrene	<1.1	ug/l	1.1	3.4	2		8270	qh	2/19/2002 / 3/7/2002
Isophorone	<0.54	ug/l	0.54	1.7	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosodibutylamine	<0.48	ug/l	0.48	1.5	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosodiethylamine	<0.16	ug/l	0.16	0.51	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosodimethylamine	<1.6	ug/l	1.6	5.1	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosodiphenylamine	<0.36	ug/l	0.36	1.1	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosodipropylamine	<0.46	ug/l	0.46	1.5	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosomethylethylamine	<2.3	ug/l	2.3	7.4	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosomorpholine	<0.62	ug/l	0.62	2.0	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosopiperidine	<0.44	ug/l	0.44	1.4	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosopyrrolidine	<0.58	ug/l	0.58	1.8	2		8270	qh	2/19/2002 / 3/7/2002
Naphthalene	<0.64	ug/l	0.64	2.0	2		8270	qh	2/19/2002 / 3/7/2002
Nitrobenzene	<0.68	ug/l	0.68	2.2	2		8270	qh	2/19/2002 / 3/7/2002
o-Toluidine	<0.42	ug/l	0.42	1.3	2		8270	qh	2/19/2002 / 3/7/2002
Pentachlorobenzene	<0.34	ug/l	0.34	1.1	2		8270	qh	2/19/2002 / 3/7/2002
Pentachloroethane	<0.34	ug/l	0.34	1.1	2		8270	qh	2/19/2002 / 3/7/2002
Pentachlorophenol	<1.5	ug/l	1.5	4.8	2		8270	qh	2/19/2002 / 3/7/2002
Phenanthrene	<0.64	ug/l	0.64	2.0	2		8270	qh	2/19/2002 / 3/7/2002
Phenol	<0.80	ug/l	0.80	2.5	2		8270	qh	2/19/2002 / 3/7/2002
Pyrene	<1.0	ug/l	1.0	3.2	2		8270	qh	2/19/2002 / 3/7/2002
Pyridine	<0.72	ug/l	0.72	2.3	2		8270	qh	2/19/2002 / 3/7/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020125**
DATE REPORTED: 18-Mar-02
DATE RECEIVED: 18-Feb-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: msa#212936 quo
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Sample Number: 27569 QC Prep Batch Number: 1000010 Collection: 2/13/2002 Time: 12:06
Client ID: MW-2 Sample Description:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,2,4,5-Tetrachlorobenzene	<0.76	ug/l	0.76	2.4	2		8270	qh	2/19/2002 / 3/7/2002
1,2,4-Trichlorobenzene	<0.82	ug/l	0.82	2.6	2		8270	qh	2/19/2002 / 3/7/2002
1,2-Dichlorobenzene	<0.56	ug/l	0.56	1.8	2		8270	qh	2/19/2002 / 3/7/2002
1,2-Diphenylhydrazine	<0.90	ug/l	0.90	2.9	2		8270	qh	2/19/2002 / 3/7/2002
1,3-Dichlorobenzene	<0.48	ug/l	0.48	1.5	2		8270	qh	2/19/2002 / 3/7/2002
1,3-Dinitrobenzene	<0.56	ug/l	0.56	1.8	2		8270	qh	2/19/2002 / 3/7/2002
1,4-Dichlorobenzene	<0.46	ug/l	0.46	1.5	2		8270	qh	2/19/2002 / 3/7/2002
1,4-Napthoquinone	<0.50	ug/l	0.50	1.6	2		8270	qh	2/19/2002 / 3/7/2002
1-Methylnaphthalene	<0.60	ug/l	0.60	1.9	2		8270	qh	2/19/2002 / 3/7/2002
2,3,4,6-Tetrachlorophenol	<0.78	ug/l	0.78	2.5	2		8270	qh	2/19/2002 / 3/7/2002
2,4,5-Trichlorophenol	<0.94	ug/l	0.94	3.0	2		8270	qh	2/19/2002 / 3/7/2002
2,4,6-Trichlorophenol	<0.76	ug/l	0.76	2.4	2		8270	qh	2/19/2002 / 3/7/2002
2,4-Dichlorophenol	<0.86	ug/l	0.86	2.7	2		8270	qh	2/19/2002 / 3/7/2002
2,4-Dimethylphenol	<4.1	ug/l	4.1	13	2		8270	qh	2/19/2002 / 3/7/2002
2,4-Dinitrophenol	<1.2	ug/l	1.2	3.8	2		8270	qh	2/19/2002 / 3/7/2002
2,4-Dinitrotoluene	<0.90	ug/l	0.90	2.9	2		8270	qh	2/19/2002 / 3/7/2002
2,6-Dichlorophenol	<0.94	ug/l	0.94	3.0	2		8270	qh	2/19/2002 / 3/7/2002
2,6-Dinitrotoluene	<0.66	ug/l	0.66	2.1	2		8270	qh	2/19/2002 / 3/7/2002
2-Chloronaphthalene	<0.86	ug/l	0.86	2.7	2		8270	qh	2/19/2002 / 3/7/2002
2-Chlorophenol	<1.6	ug/l	1.6	5.0	2		8270	qh	2/19/2002 / 3/7/2002
2-Methyl-4,6-Dinitrophenol	<1.1	ug/l	1.1	3.4	2		8270	qh	2/19/2002 / 3/7/2002
2-Methylnaphthalene	<0.76	ug/l	0.76	2.4	2		8270	qh	2/19/2002 / 3/7/2002
2-Methylphenol	<0.68	ug/l	0.68	2.2	2		8270	qh	2/19/2002 / 3/7/2002
2-Nitroaniline	<0.64	ug/l	0.64	2.0	2		8270	qh	2/19/2002 / 3/7/2002
2-Nitrophenol	<1.0	ug/l	1.0	3.3	2		8270	qh	2/19/2002 / 3/7/2002
3,3'-Dichlorobenzidine	<1.3	ug/l	1.3	4.2	2		8270	qh	2/19/2002 / 3/7/2002
3,3'-Dimethylbenzidine	<1.0	ug/l	1.0	3.2	2		8270	qh	2/19/2002 / 3/7/2002
3- + 4-Methylphenol	<0.80	ug/l	0.80	2.5	2		8270	qh	2/19/2002 / 3/7/2002
3-Nitroaniline	<0.92	ug/l	0.92	2.9	2		8270	qh	2/19/2002 / 3/7/2002
4-Bromophenyl phenyl ether	<0.36	ug/l	0.36	1.1	2		8270	qh	2/19/2002 / 3/7/2002
4-Chloro-3-methyl phenol	<6.7	ug/l	6.7	21	2		8270	qh	2/19/2002 / 3/7/2002
4-Chloroaniline	<1.1	ug/l	1.1	3.4	2		8270	qh	2/19/2002 / 3/7/2002
4-Chlorophenyl phenyl ether	<0.66	ug/l	0.66	2.1	2		8270	qh	2/19/2002 / 3/7/2002
4-Nitroaniline	<0.78	ug/l	0.78	2.5	2		8270	qh	2/19/2002 / 3/7/2002
4-Nitrophenol	<3.3	ug/l	3.3	10	2		8270	qh	2/19/2002 / 3/7/2002
Acenaphthene	<0.56	ug/l	0.56	1.8	2		8270	qh	2/19/2002 / 3/7/2002
Acenaphthylene	<0.62	ug/l	0.62	2.0	2		8270	qh	2/19/2002 / 3/7/2002
Analine	<0.76	ug/l	0.76	2.4	2		8270	qh	2/19/2002 / 3/7/2002
Anthracene	<0.62	ug/l	0.62	2.0	2		8270	qh	2/19/2002 / 3/7/2002
Benzidine	<1.2	ug/l	1.2	3.9	2		8270	qh	2/19/2002 / 3/7/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020125**
DATE REPORTED: 18-Mar-02
DATE RECEIVED: 18-Feb-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: msa#212936 quo
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Benzo (a) anthracene	< 1.1	ug/l	1.1	3.5	2		8270	qh	2/19/2002 / 3/7/2002
Benzo (a) pyrene	< 0.38	ug/l	0.38	1.2	2		8270	qh	2/19/2002 / 3/7/2002
Benzo (b) fluoranthene	< 0.74	ug/l	0.74	2.4	2		8270	qh	2/19/2002 / 3/7/2002
Benzo (g,h,i) perylene	< 0.38	ug/l	0.38	1.2	2		8270	qh	2/19/2002 / 3/7/2002
Benzo (k) fluoranthene	< 0.56	ug/l	0.56	1.8	2		8270	qh	2/19/2002 / 3/7/2002
Benzyl alcohol	< 1.4	ug/l	1.4	4.5	2		8270	qh	2/19/2002 / 3/7/2002
Bis (2-chloroethoxy)methane	< 0.56	ug/l	0.56	1.8	2		8270	qh	2/19/2002 / 3/7/2002
Bis (2-chloroethyl) ether	< 0.90	ug/l	0.90	2.9	2		8270	qh	2/19/2002 / 3/7/2002
Bis (2-chloroisopropyl) ether	< 0.48	ug/l	0.48	1.5	2		8270	qh	2/19/2002 / 3/7/2002
Bis (2-ethylhexyl) phthalate	< 1.3	ug/l	1.3	4.1	2		8270	qh	2/19/2002 / 3/7/2002
Butyl benzyl phthalate	< 1.1	ug/l	1.1	3.4	2		8270	qh	2/19/2002 / 3/7/2002
Chrysene	< 1.1	ug/l	1.1	3.4	2		8270	qh	2/19/2002 / 3/7/2002
Di-n-butylphthalate	0.90	ug/l	0.56	1.8	2	J	8270	qh	2/19/2002 / 3/7/2002
Di-n-octylphthalate	< 0.56	ug/l	0.56	1.8	2		8270	qh	2/19/2002 / 3/7/2002
Dibenz (a,h) anthracene	< 0.38	ug/l	0.38	1.2	2		8270	qh	2/19/2002 / 3/7/2002
Dibenzofuran	< 0.62	ug/l	0.62	2.0	2		8270	qh	2/19/2002 / 3/7/2002
Diethylphthalate	< 0.62	ug/l	0.62	2.0	2		8270	qh	2/19/2002 / 3/7/2002
Dimethylphthalate	< 0.60	ug/l	0.60	1.9	2		8270	qh	2/19/2002 / 3/7/2002
Fluoranthene	< 0.88	ug/l	0.88	2.8	2		8270	qh	2/19/2002 / 3/7/2002
Fluorene	< 0.38	ug/l	0.38	1.2	2		8270	qh	2/19/2002 / 3/7/2002
Hexachlorobenzene	< 0.42	ug/l	0.42	1.3	2		8270	qh	2/19/2002 / 3/7/2002
Hexachlorobutadiene	< 0.30	ug/l	0.30	0.95	2		8270	qh	2/19/2002 / 3/7/2002
Hexachlorocyclopentadiene	< 1.2	ug/l	1.2	3.8	2		8270	qh	2/19/2002 / 3/7/2002
Hexachloroethane	< 0.40	ug/l	0.40	1.3	2		8270	qh	2/19/2002 / 3/7/2002
Hexachloropropylene	< 0.58	ug/l	0.58	1.8	2		8270	qh	2/19/2002 / 3/7/2002
Indeno (1,2,3-cd)pyrene	< 1.1	ug/l	1.1	3.4	2		8270	qh	2/19/2002 / 3/7/2002
Isophorone	< 0.54	ug/l	0.54	1.7	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosodibutylamine	< 0.48	ug/l	0.48	1.5	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosodiethylamine	< 0.16	ug/l	0.16	0.51	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosodimethylamine	< 1.6	ug/l	1.6	5.1	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosodiphenylamine	< 0.36	ug/l	0.36	1.1	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosodipropylamine	< 0.46	ug/l	0.46	1.5	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosomethylethylamine	< 2.3	ug/l	2.3	7.4	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosomorpholine	< 0.62	ug/l	0.62	2.0	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosopiperidine	< 0.44	ug/l	0.44	1.4	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosopyrrolidine	< 0.58	ug/l	0.58	1.8	2		8270	qh	2/19/2002 / 3/7/2002
Naphthalene	< 0.64	ug/l	0.64	2.0	2		8270	qh	2/19/2002 / 3/7/2002
Nitrobenzene	< 0.68	ug/l	0.68	2.2	2		8270	qh	2/19/2002 / 3/7/2002
o-Toluidine	< 0.42	ug/l	0.42	1.3	2		8270	qh	2/19/2002 / 3/7/2002
Pentachlorobenzene	< 0.34	ug/l	0.34	1.1	2		8270	qh	2/19/2002 / 3/7/2002
Pentachloroethane	< 0.34	ug/l	0.34	1.1	2		8270	qh	2/19/2002 / 3/7/2002
Pentachlorophenol	< 1.5	ug/l	1.5	4.8	2		8270	qh	2/19/2002 / 3/7/2002
Phenanthrene	< 0.64	ug/l	0.64	2.0	2		8270	qh	2/19/2002 / 3/7/2002
Phenol	< 0.80	ug/l	0.80	2.5	2		8270	qh	2/19/2002 / 3/7/2002
Pyrene	< 1.0	ug/l	1.0	3.2	2		8270	qh	2/19/2002 / 3/7/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020125**
DATE REPORTED: 18-Mar-02
DATE RECEIVED: 18-Feb-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: msa#212936 quo
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Pyridine	< 0.72	ug/l	0.72	2.3	2		8270	qh	2/19/2002 / 3/7/2002

Sample Number: 27570 QC Prep Batch Number: 1000010 Collection: 2/13/2002 Time: 13:50
Client ID: MW-3 Sample Description:

1,2,4,5-Tetrachlorobenzene	< 0.76	ug/l	0.76	2.4	2		8270	qh	2/19/2002 / 3/7/2002
1,2,4-Trichlorobenzene	< 0.82	ug/l	0.82	2.6	2		8270	qh	2/19/2002 / 3/7/2002
1,2-Dichlorobenzene	< 0.56	ug/l	0.56	1.8	2		8270	qh	2/19/2002 / 3/7/2002
1,2-Diphenylhydrazine	< 0.90	ug/l	0.90	2.9	2		8270	qh	2/19/2002 / 3/7/2002
1,3-Dichlorobenzene	< 0.48	ug/l	0.48	1.5	2		8270	qh	2/19/2002 / 3/7/2002
1,3-Dinitrobenzene	< 0.56	ug/l	0.56	1.8	2		8270	qh	2/19/2002 / 3/7/2002
1,4-Dichlorobenzene	< 0.46	ug/l	0.46	1.5	2		8270	qh	2/19/2002 / 3/7/2002
1,4-Napthoquinone	< 0.50	ug/l	0.50	1.6	2		8270	qh	2/19/2002 / 3/7/2002
1-Methylnaphthalene	< 0.60	ug/l	0.60	1.9	2		8270	qh	2/19/2002 / 3/7/2002
2,3,4,6-Tetrachlorophenol	< 0.78	ug/l	0.78	2.5	2		8270	qh	2/19/2002 / 3/7/2002
2,4,5-Trichlorophenol	< 0.94	ug/l	0.94	3.0	2		8270	qh	2/19/2002 / 3/7/2002
2,4,6-Trichlorophenol	< 0.76	ug/l	0.76	2.4	2		8270	qh	2/19/2002 / 3/7/2002
2,4-Dichlorophenol	< 0.86	ug/l	0.86	2.7	2		8270	qh	2/19/2002 / 3/7/2002
2,4-Dimethylphenol	< 4.1	ug/l	4.1	13	2		8270	qh	2/19/2002 / 3/7/2002
2,4-Dinitrophenol	< 1.2	ug/l	1.2	3.8	2		8270	qh	2/19/2002 / 3/7/2002
2,4-Dinitrotoluene	< 0.90	ug/l	0.90	2.9	2		8270	qh	2/19/2002 / 3/7/2002
2,6-Dichlorophenol	< 0.94	ug/l	0.94	3.0	2		8270	qh	2/19/2002 / 3/7/2002
2,6-Dinitrotoluene	< 0.66	ug/l	0.66	2.1	2		8270	qh	2/19/2002 / 3/7/2002
2-Chloronaphthalene	< 0.86	ug/l	0.86	2.7	2		8270	qh	2/19/2002 / 3/7/2002
2-Chlorophenol	< 1.6	ug/l	1.6	5.0	2		8270	qh	2/19/2002 / 3/7/2002
2-Methyl-4,6-Dinitrophenol	< 1.1	ug/l	1.1	3.4	2		8270	qh	2/19/2002 / 3/7/2002
2-Methylnaphthalene	< 0.76	ug/l	0.76	2.4	2		8270	qh	2/19/2002 / 3/7/2002
2-Methylphenol	< 0.68	ug/l	0.68	2.2	2		8270	qh	2/19/2002 / 3/7/2002
2-Nitroaniline	< 0.64	ug/l	0.64	2.0	2		8270	qh	2/19/2002 / 3/7/2002
2-Nitrophenol	< 1.0	ug/l	1.0	3.3	2		8270	qh	2/19/2002 / 3/7/2002
3,3'-Dichlorobenzidine	< 1.3	ug/l	1.3	4.2	2		8270	qh	2/19/2002 / 3/7/2002
3,3'-Dimethylbenzidine	< 1.0	ug/l	1.0	3.2	2		8270	qh	2/19/2002 / 3/7/2002
3- + 4-Methylphenol	< 0.80	ug/l	0.80	2.5	2		8270	qh	2/19/2002 / 3/7/2002
3-Nitroaniline	< 0.92	ug/l	0.92	2.9	2		8270	qh	2/19/2002 / 3/7/2002
4-Bromophenyl phenyl ether	< 0.36	ug/l	0.36	1.1	2		8270	qh	2/19/2002 / 3/7/2002
4-Chloro-3-methyl phenol	< 6.7	ug/l	6.7	21	2		8270	qh	2/19/2002 / 3/7/2002
4-Chloroaniline	< 1.1	ug/l	1.1	3.4	2		8270	qh	2/19/2002 / 3/7/2002
4-Chlorophenyl phenyl ether	< 0.66	ug/l	0.66	2.1	2		8270	qh	2/19/2002 / 3/7/2002
4-Nitroaniline	< 0.78	ug/l	0.78	2.5	2		8270	qh	2/19/2002 / 3/7/2002
4-Nitrophenol	< 3.3	ug/l	3.3	10	2		8270	qh	2/19/2002 / 3/7/2002
Acenaphthene	< 0.56	ug/l	0.56	1.8	2		8270	qh	2/19/2002 / 3/7/2002
Acenaphthylene	< 0.62	ug/l	0.62	2.0	2		8270	qh	2/19/2002 / 3/7/2002
Analine	< 0.76	ug/l	0.76	2.4	2		8270	qh	2/19/2002 / 3/7/2002
Anthracene	< 0.62	ug/l	0.62	2.0	2		8270	qh	2/19/2002 / 3/7/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020125**
DATE REPORTED: 18-Mar-02
DATE RECEIVED: 18-Feb-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: msa#212936 quo
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Benzidine	< 1.2	ug/l	1.2	3.9	2		8270	qh	2/19/2002 / 3/7/2002
Benzo (a) anthracene	< 1.1	ug/l	1.1	3.5	2		8270	qh	2/19/2002 / 3/7/2002
Benzo (a) pyrene	< 0.38	ug/l	0.38	1.2	2		8270	qh	2/19/2002 / 3/7/2002
Benzo (b) fluoranthene	< 0.74	ug/l	0.74	2.4	2		8270	qh	2/19/2002 / 3/7/2002
Benzo (g,h,i) perylene	< 0.38	ug/l	0.38	1.2	2		8270	qh	2/19/2002 / 3/7/2002
Benzo (k) fluoranthene	< 0.56	ug/l	0.56	1.8	2		8270	qh	2/19/2002 / 3/7/2002
Benzyl alcohol	< 1.4	ug/l	1.4	4.5	2		8270	qh	2/19/2002 / 3/7/2002
Bis (2-chloroethoxy)methane	< 0.56	ug/l	0.56	1.8	2		8270	qh	2/19/2002 / 3/7/2002
Bis (2-chloroethyl) ether	< 0.90	ug/l	0.90	2.9	2		8270	qh	2/19/2002 / 3/7/2002
Bis (2-chloroisopropyl) ether	< 0.48	ug/l	0.48	1.5	2		8270	qh	2/19/2002 / 3/7/2002
Bis (2-ethylhexyl) phthalate	1.5	ug/l	1.3	4.1	2	J	8270	qh	2/19/2002 / 3/7/2002
Butyl benzyl phthalate	< 1.1	ug/l	1.1	3.4	2		8270	qh	2/19/2002 / 3/7/2002
Chrysene	< 1.1	ug/l	1.1	3.4	2		8270	qh	2/19/2002 / 3/7/2002
Di-n-butylphthalate	1.2	ug/l	0.56	1.8	2	J	8270	qh	2/19/2002 / 3/7/2002
Di-n-octylphthalate	< 0.56	ug/l	0.56	1.8	2		8270	qh	2/19/2002 / 3/7/2002
Dibenz (a,h) anthracene	< 0.38	ug/l	0.38	1.2	2		8270	qh	2/19/2002 / 3/7/2002
Dibenzofuran	< 0.62	ug/l	0.62	2.0	2		8270	qh	2/19/2002 / 3/7/2002
Diethylphthalate	< 0.62	ug/l	0.62	2.0	2		8270	qh	2/19/2002 / 3/7/2002
Dimethylphthalate	< 0.60	ug/l	0.60	1.9	2		8270	qh	2/19/2002 / 3/7/2002
Fluoranthene	< 0.88	ug/l	0.88	2.8	2		8270	qh	2/19/2002 / 3/7/2002
Fluorene	< 0.38	ug/l	0.38	1.2	2		8270	qh	2/19/2002 / 3/7/2002
Hexachlorobenzene	< 0.42	ug/l	0.42	1.3	2		8270	qh	2/19/2002 / 3/7/2002
Hexachlorobutadiene	< 0.30	ug/l	0.30	0.95	2		8270	qh	2/19/2002 / 3/7/2002
Hexachlorocyclopentadiene	< 1.2	ug/l	1.2	3.8	2		8270	qh	2/19/2002 / 3/7/2002
Hexachloroethane	< 0.40	ug/l	0.40	1.3	2		8270	qh	2/19/2002 / 3/7/2002
Hexachloropropylene	< 0.58	ug/l	0.58	1.8	2		8270	qh	2/19/2002 / 3/7/2002
Indeno (1,2,3-cd)pyrene	< 1.1	ug/l	1.1	3.4	2		8270	qh	2/19/2002 / 3/7/2002
Isophorone	< 0.54	ug/l	0.54	1.7	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosodibutylamine	< 0.48	ug/l	0.48	1.5	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosodiethylamine	< 0.16	ug/l	0.16	0.51	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosodimethylamine	< 1.6	ug/l	1.6	5.1	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosodiphenylamine	< 0.36	ug/l	0.36	1.1	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosodipropylamine	< 0.46	ug/l	0.46	1.5	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosomethylethylamine	< 2.3	ug/l	2.3	7.4	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosomorpholine	< 0.62	ug/l	0.62	2.0	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosopiperidine	< 0.44	ug/l	0.44	1.4	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosopyrrolidine	< 0.58	ug/l	0.58	1.8	2		8270	qh	2/19/2002 / 3/7/2002
Naphthalene	< 0.64	ug/l	0.64	2.0	2		8270	qh	2/19/2002 / 3/7/2002
Nitrobenzene	< 0.68	ug/l	0.68	2.2	2		8270	qh	2/19/2002 / 3/7/2002
o-Toluidine	< 0.42	ug/l	0.42	1.3	2		8270	qh	2/19/2002 / 3/7/2002
Pentachlorobenzene	< 0.34	ug/l	0.34	1.1	2		8270	qh	2/19/2002 / 3/7/2002
Pentachloroethane	< 0.34	ug/l	0.34	1.1	2		8270	qh	2/19/2002 / 3/7/2002
Pentachlorophenol	< 1.5	ug/l	1.5	4.8	2		8270	qh	2/19/2002 / 3/7/2002
Phenanthrene	< 0.64	ug/l	0.64	2.0	2		8270	qh	2/19/2002 / 3/7/2002
Phenol	< 0.80	ug/l	0.80	2.5	2		8270	qh	2/19/2002 / 3/7/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020125**
DATE REPORTED: 18-Mar-02
DATE RECEIVED: 18-Feb-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: msa#212936 quo
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Pyrene	< 1.0	ug/l	1.0	3.2	2		8270	qh	2/19/2002 / 3/7/2002
Pyridine	< 0.72	ug/l	0.72	2.3	2		8270	qh	2/19/2002 / 3/7/2002

Sample Number: 27571 QC Prep Batch Number: 1000010 Collection: 2/13/2002 Time: 14:46
Client ID: MW-4 Sample Description:

1,2,4,5-Tetrachlorobenzene	< 0.76	ug/l	0.76	2.4	2		8270	qh	2/19/2002 / 3/7/2002
1,2,4-Trichlorobenzene	< 0.82	ug/l	0.82	2.6	2		8270	qh	2/19/2002 / 3/7/2002
1,2-Dichlorobenzene	< 0.56	ug/l	0.56	1.8	2		8270	qh	2/19/2002 / 3/7/2002
1,2-Diphenylhydrazine	< 0.90	ug/l	0.90	2.9	2		8270	qh	2/19/2002 / 3/7/2002
1,3-Dichlorobenzene	< 0.48	ug/l	0.48	1.5	2		8270	qh	2/19/2002 / 3/7/2002
1,3-Dinitrobenzene	< 0.56	ug/l	0.56	1.8	2		8270	qh	2/19/2002 / 3/7/2002
1,4-Dichlorobenzene	< 0.46	ug/l	0.46	1.5	2		8270	qh	2/19/2002 / 3/7/2002
1,4-Napthoquinone	< 0.50	ug/l	0.50	1.6	2		8270	qh	2/19/2002 / 3/7/2002
1-Methylnaphthalene	< 0.60	ug/l	0.60	1.9	2		8270	qh	2/19/2002 / 3/7/2002
2,3,4,6-Tetrachlorophenol	< 0.78	ug/l	0.78	2.5	2		8270	qh	2/19/2002 / 3/7/2002
2,4,5-Trichlorophenol	< 0.94	ug/l	0.94	3.0	2		8270	qh	2/19/2002 / 3/7/2002
2,4,6-Trichlorophenol	< 0.76	ug/l	0.76	2.4	2		8270	qh	2/19/2002 / 3/7/2002
2,4-Dichlorophenol	< 0.86	ug/l	0.86	2.7	2		8270	qh	2/19/2002 / 3/7/2002
2,4-Dimethylphenol	< 4.1	ug/l	4.1	13	2		8270	qh	2/19/2002 / 3/7/2002
2,4-Dinitrophenol	< 1.2	ug/l	1.2	3.8	2		8270	qh	2/19/2002 / 3/7/2002
2,4-Dinitrotoluene	< 0.90	ug/l	0.90	2.9	2		8270	qh	2/19/2002 / 3/7/2002
2,6-Dichlorophenol	< 0.94	ug/l	0.94	3.0	2		8270	qh	2/19/2002 / 3/7/2002
2,6-Dinitrotoluene	< 0.66	ug/l	0.66	2.1	2		8270	qh	2/19/2002 / 3/7/2002
2-Chloronaphthalene	< 0.86	ug/l	0.86	2.7	2		8270	qh	2/19/2002 / 3/7/2002
2-Chlorophenol	< 1.6	ug/l	1.6	5.0	2		8270	qh	2/19/2002 / 3/7/2002
2-Methyl-4,6-Dinitrophenol	< 1.1	ug/l	1.1	3.4	2		8270	qh	2/19/2002 / 3/7/2002
2-Methylnaphthalene	< 0.76	ug/l	0.76	2.4	2		8270	qh	2/19/2002 / 3/7/2002
2-Methylphenol	< 0.68	ug/l	0.68	2.2	2		8270	qh	2/19/2002 / 3/7/2002
2-Nitroaniline	< 0.64	ug/l	0.64	2.0	2		8270	qh	2/19/2002 / 3/7/2002
2-Nitrophenol	< 1.0	ug/l	1.0	3.3	2		8270	qh	2/19/2002 / 3/7/2002
3,3'-Dichlorobenzidine	< 1.3	ug/l	1.3	4.2	2		8270	qh	2/19/2002 / 3/7/2002
3,3'-Dimethylbenzidine	< 1.0	ug/l	1.0	3.2	2		8270	qh	2/19/2002 / 3/7/2002
3- + 4-Methylphenol	< 0.80	ug/l	0.80	2.5	2		8270	qh	2/19/2002 / 3/7/2002
3-Nitroaniline	< 0.92	ug/l	0.92	2.9	2		8270	qh	2/19/2002 / 3/7/2002
4-Bromophenyl phenyl ether	< 0.36	ug/l	0.36	1.1	2		8270	qh	2/19/2002 / 3/7/2002
4-Chloro-3-methyl phenol	< 6.7	ug/l	6.7	21	2		8270	qh	2/19/2002 / 3/7/2002
4-Chloroaniline	< 1.1	ug/l	1.1	3.4	2		8270	qh	2/19/2002 / 3/7/2002
4-Chlorophenyl phenyl ether	< 0.66	ug/l	0.66	2.1	2		8270	qh	2/19/2002 / 3/7/2002
4-Nitroaniline	< 0.78	ug/l	0.78	2.5	2		8270	qh	2/19/2002 / 3/7/2002
4-Nitrophenol	< 3.3	ug/l	3.3	10	2		8270	qh	2/19/2002 / 3/7/2002
Acenaphthene	< 0.56	ug/l	0.56	1.8	2		8270	qh	2/19/2002 / 3/7/2002
Acenaphthylene	< 0.62	ug/l	0.62	2.0	2		8270	qh	2/19/2002 / 3/7/2002
Analine	< 0.76	ug/l	0.76	2.4	2		8270	qh	2/19/2002 / 3/7/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020125**
DATE REPORTED: 18-Mar-02
DATE RECEIVED: 18-Feb-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: msa#212936 quo
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Anthracene	<0.62	ug/l	0.62	2.0	2		8270	qh	2/19/2002 / 3/7/2002
Benzidine	<1.2	ug/l	1.2	3.9	2		8270	qh	2/19/2002 / 3/7/2002
Benzo (a) anthracene	<1.1	ug/l	1.1	3.5	2		8270	qh	2/19/2002 / 3/7/2002
Benzo (a) pyrene	<0.38	ug/l	0.38	1.2	2		8270	qh	2/19/2002 / 3/7/2002
Benzo (b) fluoranthene	<0.74	ug/l	0.74	2.4	2		8270	qh	2/19/2002 / 3/7/2002
Benzo (g,h,i) perylene	<0.38	ug/l	0.38	1.2	2		8270	qh	2/19/2002 / 3/7/2002
Benzo (k) fluoranthene	<0.56	ug/l	0.56	1.8	2		8270	qh	2/19/2002 / 3/7/2002
Benzyl alcohol	<1.4	ug/l	1.4	4.5	2		8270	qh	2/19/2002 / 3/7/2002
Bis (2-chloroethoxy)methane	<0.56	ug/l	0.56	1.8	2		8270	qh	2/19/2002 / 3/7/2002
Bis (2-chloroethyl) ether	<0.90	ug/l	0.90	2.9	2		8270	qh	2/19/2002 / 3/7/2002
Bis (2-chloroisopropyl) ether	<0.48	ug/l	0.48	1.5	2		8270	qh	2/19/2002 / 3/7/2002
Bis (2-ethylhexyl) phthalate	<1.3	ug/l	1.3	4.1	2		8270	qh	2/19/2002 / 3/7/2002
Butyl benzyl phthalate	<1.1	ug/l	1.1	3.4	2		8270	qh	2/19/2002 / 3/7/2002
Chrysene	<1.1	ug/l	1.1	3.4	2		8270	qh	2/19/2002 / 3/7/2002
Di-n-butylphthalate	0.78	ug/l	0.56	1.8	2	J	8270	qh	2/19/2002 / 3/7/2002
Di-n-octylphthalate	<0.56	ug/l	0.56	1.8	2		8270	qh	2/19/2002 / 3/7/2002
Dibenz (a,h) anthracene	<0.38	ug/l	0.38	1.2	2		8270	qh	2/19/2002 / 3/7/2002
Dibenzofuran	<0.62	ug/l	0.62	2.0	2		8270	qh	2/19/2002 / 3/7/2002
Diethylphthalate	<0.62	ug/l	0.62	2.0	2		8270	qh	2/19/2002 / 3/7/2002
Dimethylphthalate	<0.60	ug/l	0.60	1.9	2		8270	qh	2/19/2002 / 3/7/2002
Fluoranthene	<0.88	ug/l	0.88	2.8	2		8270	qh	2/19/2002 / 3/7/2002
Fluorene	<0.38	ug/l	0.38	1.2	2		8270	qh	2/19/2002 / 3/7/2002
Hexachlorobenzene	<0.42	ug/l	0.42	1.3	2		8270	qh	2/19/2002 / 3/7/2002
Hexachlorobutadiene	<0.30	ug/l	0.30	0.95	2		8270	qh	2/19/2002 / 3/7/2002
Hexachlorocyclopentadiene	<1.2	ug/l	1.2	3.8	2		8270	qh	2/19/2002 / 3/7/2002
Hexachloroethane	<0.40	ug/l	0.40	1.3	2		8270	qh	2/19/2002 / 3/7/2002
Hexachloropropylene	<0.58	ug/l	0.58	1.8	2		8270	qh	2/19/2002 / 3/7/2002
Indeno (1,2,3-cd)pyrene	<1.1	ug/l	1.1	3.4	2		8270	qh	2/19/2002 / 3/7/2002
Isophorone	<0.54	ug/l	0.54	1.7	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosodibutylamine	<0.48	ug/l	0.48	1.5	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosodiethylamine	<0.16	ug/l	0.16	0.51	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosodimethylamine	<1.6	ug/l	1.6	5.1	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosodiphenylamine	<0.36	ug/l	0.36	1.1	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosodipropylamine	<0.46	ug/l	0.46	1.5	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosomethylethylamine	<2.3	ug/l	2.3	7.4	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosomorpholine	<0.62	ug/l	0.62	2.0	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosopiperidine	<0.44	ug/l	0.44	1.4	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosopyrrolidine	<0.58	ug/l	0.58	1.8	2		8270	qh	2/19/2002 / 3/7/2002
Naphthalene	<0.64	ug/l	0.64	2.0	2		8270	qh	2/19/2002 / 3/7/2002
Nitrobenzene	<0.68	ug/l	0.68	2.2	2		8270	qh	2/19/2002 / 3/7/2002
o-Toluidine	<0.42	ug/l	0.42	1.3	2		8270	qh	2/19/2002 / 3/7/2002
Pentachlorobenzene	<0.34	ug/l	0.34	1.1	2		8270	qh	2/19/2002 / 3/7/2002
Pentachloroethane	<0.34	ug/l	0.34	1.1	2		8270	qh	2/19/2002 / 3/7/2002
Pentachlorophenol	<1.5	ug/l	1.5	4.8	2		8270	qh	2/19/2002 / 3/7/2002
Phenanthrene	<0.64	ug/l	0.64	2.0	2		8270	qh	2/19/2002 / 3/7/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020125**
DATE REPORTED: 18-Mar-02
DATE RECEIVED: 18-Feb-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: msa#212936 quo
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Phenol	<0.80	ug/l	0.80	2.5	2		8270	qh	2/19/2002 / 3/7/2002
Pyrene	<1.0	ug/l	1.0	3.2	2		8270	qh	2/19/2002 / 3/7/2002
Pyridine	<0.72	ug/l	0.72	2.3	2		8270	qh	2/19/2002 / 3/7/2002

Sample Number: 27572 QC Prep Batch Number: 1000010 Collection: 2/13/2002 Time: 16:28
Client ID: MW-5 Sample Description:

1,2,4,5-Tetrachlorobenzene	<0.76	ug/l	0.76	2.4	2		8270	qh	2/19/2002 / 3/7/2002
1,2,4-Trichlorobenzene	<0.82	ug/l	0.82	2.6	2		8270	qh	2/19/2002 / 3/7/2002
1,2-Dichlorobenzene	<0.56	ug/l	0.56	1.8	2		8270	qh	2/19/2002 / 3/7/2002
1,2-Diphenylhydrazine	<0.90	ug/l	0.90	2.9	2		8270	qh	2/19/2002 / 3/7/2002
1,3-Dichlorobenzene	<0.48	ug/l	0.48	1.5	2		8270	qh	2/19/2002 / 3/7/2002
1,3-Dinitrobenzene	<0.56	ug/l	0.56	1.8	2		8270	qh	2/19/2002 / 3/7/2002
1,4-Dichlorobenzene	<0.46	ug/l	0.46	1.5	2		8270	qh	2/19/2002 / 3/7/2002
1,4-Napthoquinone	<0.50	ug/l	0.50	1.6	2		8270	qh	2/19/2002 / 3/7/2002
1-Methylnaphthalene	1.6	ug/l	0.60	1.9	2	J	8270	qh	2/19/2002 / 3/7/2002
2,3,4,6-Tetrachlorophenol	<0.78	ug/l	0.78	2.5	2		8270	qh	2/19/2002 / 3/7/2002
2,4,5-Trichlorophenol	<0.94	ug/l	0.94	3.0	2		8270	qh	2/19/2002 / 3/7/2002
2,4,6-Trichlorophenol	<0.76	ug/l	0.76	2.4	2		8270	qh	2/19/2002 / 3/7/2002
2,4-Dichlorophenol	<0.86	ug/l	0.86	2.7	2		8270	qh	2/19/2002 / 3/7/2002
2,4-Dimethylphenol	<4.1	ug/l	4.1	13	2		8270	qh	2/19/2002 / 3/7/2002
2,4-Dinitrophenol	<1.2	ug/l	1.2	3.8	2		8270	qh	2/19/2002 / 3/7/2002
2,4-Dinitrotoluene	<0.90	ug/l	0.90	2.9	2		8270	qh	2/19/2002 / 3/7/2002
2,6-Dichlorophenol	<0.94	ug/l	0.94	3.0	2		8270	qh	2/19/2002 / 3/7/2002
2,6-Dinitrotoluene	<0.66	ug/l	0.66	2.1	2		8270	qh	2/19/2002 / 3/7/2002
2-Chloronaphthalene	<0.86	ug/l	0.86	2.7	2		8270	qh	2/19/2002 / 3/7/2002
2-Chlorophenol	<1.6	ug/l	1.6	5.0	2		8270	qh	2/19/2002 / 3/7/2002
2-Methyl-4,6-Dinitrophenol	<1.1	ug/l	1.1	3.4	2		8270	qh	2/19/2002 / 3/7/2002
2-Methylnaphthalene	<0.76	ug/l	0.76	2.4	2		8270	qh	2/19/2002 / 3/7/2002
2-Methylphenol	<0.68	ug/l	0.68	2.2	2		8270	qh	2/19/2002 / 3/7/2002
2-Nitroaniline	<0.64	ug/l	0.64	2.0	2		8270	qh	2/19/2002 / 3/7/2002
2-Nitrophenol	<1.0	ug/l	1.0	3.3	2		8270	qh	2/19/2002 / 3/7/2002
3,3'-Dichlorobenzidine	<1.3	ug/l	1.3	4.2	2		8270	qh	2/19/2002 / 3/7/2002
3,3'-Dimethylbenzidine	<1.0	ug/l	1.0	3.2	2		8270	qh	2/19/2002 / 3/7/2002
3- + 4-Methylphenol	<0.80	ug/l	0.80	2.5	2		8270	qh	2/19/2002 / 3/7/2002
3-Nitroaniline	<0.92	ug/l	0.92	2.9	2		8270	qh	2/19/2002 / 3/7/2002
4-Bromophenyl phenyl ether	<0.36	ug/l	0.36	1.1	2		8270	qh	2/19/2002 / 3/7/2002
4-Chloro-3-methyl phenol	<6.7	ug/l	6.7	21	2		8270	qh	2/19/2002 / 3/7/2002
4-Chloroaniline	<1.1	ug/l	1.1	3.4	2		8270	qh	2/19/2002 / 3/7/2002
4-Chlorophenyl phenyl ether	<0.66	ug/l	0.66	2.1	2		8270	qh	2/19/2002 / 3/7/2002
4-Nitroaniline	<0.78	ug/l	0.78	2.5	2		8270	qh	2/19/2002 / 3/7/2002
4-Nitrophenol	<3.3	ug/l	3.3	10	2		8270	qh	2/19/2002 / 3/7/2002
Acenaphthene	<0.56	ug/l	0.56	1.8	2		8270	qh	2/19/2002 / 3/7/2002
Acenaphthylene	<0.62	ug/l	0.62	2.0	2		8270	qh	2/19/2002 / 3/7/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020125**
DATE REPORTED: 18-Mar-02
DATE RECEIVED: 18-Feb-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: msa#212936 quo
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Analine	<0.76	ug/l	0.76	2.4	2		8270	qh	2/19/2002 / 3/7/2002
Anthracene	<0.62	ug/l	0.62	2.0	2		8270	qh	2/19/2002 / 3/7/2002
Benzidine	<1.2	ug/l	1.2	3.9	2		8270	qh	2/19/2002 / 3/7/2002
Benzo (a) anthracene	<1.1	ug/l	1.1	3.5	2		8270	qh	2/19/2002 / 3/7/2002
Benzo (a) pyrene	<0.38	ug/l	0.38	1.2	2		8270	qh	2/19/2002 / 3/7/2002
Benzo (b) fluoranthene	<0.74	ug/l	0.74	2.4	2		8270	qh	2/19/2002 / 3/7/2002
Benzo (g,h,i) perylene	<0.38	ug/l	0.38	1.2	2		8270	qh	2/19/2002 / 3/7/2002
Benzo (k) fluoranthene	<0.56	ug/l	0.56	1.8	2		8270	qh	2/19/2002 / 3/7/2002
Benzyl alcohol	<1.4	ug/l	1.4	4.5	2		8270	qh	2/19/2002 / 3/7/2002
Bis (2-chloroethoxy)methane	<0.56	ug/l	0.56	1.8	2		8270	qh	2/19/2002 / 3/7/2002
Bis (2-chloroethyl) ether	<0.90	ug/l	0.90	2.9	2		8270	qh	2/19/2002 / 3/7/2002
Bis (2-chloroisopropyl) ether	<0.48	ug/l	0.48	1.5	2		8270	qh	2/19/2002 / 3/7/2002
Bis (2-ethylhexyl) phthalate	<1.3	ug/l	1.3	4.1	2		8270	qh	2/19/2002 / 3/7/2002
Butyl benzyl phthalate	<1.1	ug/l	1.1	3.4	2		8270	qh	2/19/2002 / 3/7/2002
Chrysene	<1.1	ug/l	1.1	3.4	2		8270	qh	2/19/2002 / 3/7/2002
Di-n-butylphthalate	1.9	ug/l	0.56	1.8	2		8270	qh	2/19/2002 / 3/7/2002
Di-n-octylphthalate	<0.56	ug/l	0.56	1.8	2		8270	qh	2/19/2002 / 3/7/2002
Dibenz (a,h) anthracene	<0.38	ug/l	0.38	1.2	2		8270	qh	2/19/2002 / 3/7/2002
Dibenzofuran	<0.62	ug/l	0.62	2.0	2		8270	qh	2/19/2002 / 3/7/2002
Diethylphthalate	<0.62	ug/l	0.62	2.0	2		8270	qh	2/19/2002 / 3/7/2002
Dimethylphthalate	<0.60	ug/l	0.60	1.9	2		8270	qh	2/19/2002 / 3/7/2002
Fluoranthene	<0.88	ug/l	0.88	2.8	2		8270	qh	2/19/2002 / 3/7/2002
Fluorene	<0.38	ug/l	0.38	1.2	2		8270	qh	2/19/2002 / 3/7/2002
Hexachlorobenzene	<0.42	ug/l	0.42	1.3	2		8270	qh	2/19/2002 / 3/7/2002
Hexachlorobutadiene	<0.30	ug/l	0.30	0.95	2		8270	qh	2/19/2002 / 3/7/2002
Hexachlorocyclopentadiene	<1.2	ug/l	1.2	3.8	2		8270	qh	2/19/2002 / 3/7/2002
Hexachloroethane	<0.40	ug/l	0.40	1.3	2		8270	qh	2/19/2002 / 3/7/2002
Hexachloropropylene	<0.58	ug/l	0.58	1.8	2		8270	qh	2/19/2002 / 3/7/2002
Indeno (1,2,3-cd)pyrene	<1.1	ug/l	1.1	3.4	2		8270	qh	2/19/2002 / 3/7/2002
Isophorone	<0.54	ug/l	0.54	1.7	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosodibutylamine	<0.48	ug/l	0.48	1.5	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosodiethylamine	<0.16	ug/l	0.16	0.51	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosodimethylamine	<1.6	ug/l	1.6	5.1	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosodiphenylamine	<0.36	ug/l	0.36	1.1	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosodipropylamine	<0.46	ug/l	0.46	1.5	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosomethylethylamine	<2.3	ug/l	2.3	7.4	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosomorpholine	<0.62	ug/l	0.62	2.0	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosopiperidine	<0.44	ug/l	0.44	1.4	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosopyrrolidine	<0.58	ug/l	0.58	1.8	2		8270	qh	2/19/2002 / 3/7/2002
Naphthalene	<0.64	ug/l	0.64	2.0	2		8270	qh	2/19/2002 / 3/7/2002
Nitrobenzene	<0.68	ug/l	0.68	2.2	2		8270	qh	2/19/2002 / 3/7/2002
o-Toluidine	<0.42	ug/l	0.42	1.3	2		8270	qh	2/19/2002 / 3/7/2002
Pentachlorobenzene	<0.34	ug/l	0.34	1.1	2		8270	qh	2/19/2002 / 3/7/2002
Pentachloroethane	<0.34	ug/l	0.34	1.1	2		8270	qh	2/19/2002 / 3/7/2002
Pentachlorophenol	<1.5	ug/l	1.5	4.8	2		8270	qh	2/19/2002 / 3/7/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020125**
DATE REPORTED: 18-Mar-02
DATE RECEIVED: 18-Feb-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: msa#212936 quo
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Phenanthrene	<0.64	ug/l	0.64	2.0	2		8270	qh	2/19/2002 / 3/7/2002
Phenol	<0.80	ug/l	0.80	2.5	2		8270	qh	2/19/2002 / 3/7/2002
Pyrene	<1.0	ug/l	1.0	3.2	2		8270	qh	2/19/2002 / 3/7/2002
Pyridine	<0.72	ug/l	0.72	2.3	2		8270	qh	2/19/2002 / 3/7/2002

Sample Number: 27573 QC Prep Batch Number: 1000010 Collection: 2/13/2002 Time: 15:27
Client ID: MW-6 Sample Description:

1,2,4,5-Tetrachlorobenzene	<0.76	ug/l	0.76	2.4	2		8270	qh	2/19/2002 / 3/7/2002
1,2,4-Trichlorobenzene	<0.82	ug/l	0.82	2.6	2		8270	qh	2/19/2002 / 3/7/2002
1,2-Dichlorobenzene	<0.56	ug/l	0.56	1.8	2		8270	qh	2/19/2002 / 3/7/2002
1,2-Diphenylhydrazine	<0.90	ug/l	0.90	2.9	2		8270	qh	2/19/2002 / 3/7/2002
1,3-Dichlorobenzene	<0.48	ug/l	0.48	1.5	2		8270	qh	2/19/2002 / 3/7/2002
1,3-Dinitrobenzene	<0.56	ug/l	0.56	1.8	2		8270	qh	2/19/2002 / 3/7/2002
1,4-Dichlorobenzene	<0.46	ug/l	0.46	1.5	2		8270	qh	2/19/2002 / 3/7/2002
1,4-Napthoquinone	<0.50	ug/l	0.50	1.6	2		8270	qh	2/19/2002 / 3/7/2002
1-Methylnaphthalene	<0.60	ug/l	0.60	1.9	2		8270	qh	2/19/2002 / 3/7/2002
2,3,4,6-Tetrachlorophenol	<0.78	ug/l	0.78	2.5	2		8270	qh	2/19/2002 / 3/7/2002
2,4,5-Trichlorophenol	<0.94	ug/l	0.94	3.0	2		8270	qh	2/19/2002 / 3/7/2002
2,4,6-Trichlorophenol	<0.76	ug/l	0.76	2.4	2		8270	qh	2/19/2002 / 3/7/2002
2,4-Dichlorophenol	<0.86	ug/l	0.86	2.7	2		8270	qh	2/19/2002 / 3/7/2002
2,4-Dimethylphenol	<4.1	ug/l	4.1	13	2		8270	qh	2/19/2002 / 3/7/2002
2,4-Dinitrophenol	<1.2	ug/l	1.2	3.8	2		8270	qh	2/19/2002 / 3/7/2002
2,4-Dinitrotoluene	<0.90	ug/l	0.90	2.9	2		8270	qh	2/19/2002 / 3/7/2002
2,6-Dichlorophenol	<0.94	ug/l	0.94	3.0	2		8270	qh	2/19/2002 / 3/7/2002
2,6-Dinitrotoluene	<0.66	ug/l	0.66	2.1	2		8270	qh	2/19/2002 / 3/7/2002
2-Chloronaphthalene	<0.86	ug/l	0.86	2.7	2		8270	qh	2/19/2002 / 3/7/2002
2-Chlorophenol	<1.6	ug/l	1.6	5.0	2		8270	qh	2/19/2002 / 3/7/2002
2-Methyl-4,6-Dinitrophenol	<1.1	ug/l	1.1	3.4	2		8270	qh	2/19/2002 / 3/7/2002
2-Methylnaphthalene	<0.76	ug/l	0.76	2.4	2		8270	qh	2/19/2002 / 3/7/2002
2-Methylphenol	<0.68	ug/l	0.68	2.2	2		8270	qh	2/19/2002 / 3/7/2002
2-Nitroaniline	<0.64	ug/l	0.64	2.0	2		8270	qh	2/19/2002 / 3/7/2002
2-Nitrophenol	<1.0	ug/l	1.0	3.3	2		8270	qh	2/19/2002 / 3/7/2002
3,3'-Dichlorobenzidine	<1.3	ug/l	1.3	4.2	2		8270	qh	2/19/2002 / 3/7/2002
3,3'-Dimethylbenzidine	<1.0	ug/l	1.0	3.2	2		8270	qh	2/19/2002 / 3/7/2002
3- + 4-Methylphenol	11	ug/l	0.80	2.5	2		8270	qh	2/19/2002 / 3/7/2002
3-Nitroaniline	<0.92	ug/l	0.92	2.9	2		8270	qh	2/19/2002 / 3/7/2002
4-Bromophenyl phenyl ether	<0.36	ug/l	0.36	1.1	2		8270	qh	2/19/2002 / 3/7/2002
4-Chloro-3-methyl phenol	<6.7	ug/l	6.7	21	2		8270	qh	2/19/2002 / 3/7/2002
4-Chloroaniline	<1.1	ug/l	1.1	3.4	2		8270	qh	2/19/2002 / 3/7/2002
4-Chlorophenyl phenyl ether	<0.66	ug/l	0.66	2.1	2		8270	qh	2/19/2002 / 3/7/2002
4-Nitroaniline	<0.78	ug/l	0.78	2.5	2		8270	qh	2/19/2002 / 3/7/2002
4-Nitrophenol	<3.3	ug/l	3.3	10	2		8270	qh	2/19/2002 / 3/7/2002
Acenaphthene	<0.56	ug/l	0.56	1.8	2		8270	qh	2/19/2002 / 3/7/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020125**
DATE REPORTED: 18-Mar-02
DATE RECEIVED: 18-Feb-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: msa#212936 quo
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Acenaphthylene	<0.62	ug/l	0.62	2.0	2		8270	qh	2/19/2002 / 3/7/2002
Analine	<0.76	ug/l	0.76	2.4	2		8270	qh	2/19/2002 / 3/7/2002
Anthracene	<0.62	ug/l	0.62	2.0	2		8270	qh	2/19/2002 / 3/7/2002
Benzidine	<1.2	ug/l	1.2	3.9	2		8270	qh	2/19/2002 / 3/7/2002
Benzo (a) anthracene	<1.1	ug/l	1.1	3.5	2		8270	qh	2/19/2002 / 3/7/2002
Benzo (a) pyrene	<0.38	ug/l	0.38	1.2	2		8270	qh	2/19/2002 / 3/7/2002
Benzo (b) fluoranthene	<0.74	ug/l	0.74	2.4	2		8270	qh	2/19/2002 / 3/7/2002
Benzo (g,h,i) perylene	<0.38	ug/l	0.38	1.2	2		8270	qh	2/19/2002 / 3/7/2002
Benzo (k) fluoranthene	<0.56	ug/l	0.56	1.8	2		8270	qh	2/19/2002 / 3/7/2002
Benzyl alcohol	<1.4	ug/l	1.4	4.5	2		8270	qh	2/19/2002 / 3/7/2002
Bis (2-chloroethoxy)methane	<0.56	ug/l	0.56	1.8	2		8270	qh	2/19/2002 / 3/7/2002
Bis (2-chloroethyl) ether	<0.90	ug/l	0.90	2.9	2		8270	qh	2/19/2002 / 3/7/2002
Bis (2-chloroisopropyl) ether	<0.48	ug/l	0.48	1.5	2		8270	qh	2/19/2002 / 3/7/2002
Bis (2-ethylhexyl) phthalate	29	ug/l	1.3	4.1	2		8270	qh	2/19/2002 / 3/7/2002
Butyl benzyl phthalate	<1.1	ug/l	1.1	3.4	2		8270	qh	2/19/2002 / 3/7/2002
Chrysene	<1.1	ug/l	1.1	3.4	2		8270	qh	2/19/2002 / 3/7/2002
Di-n-butylphthalate	0.64	ug/l	0.56	1.8	2	J	8270	qh	2/19/2002 / 3/7/2002
Di-n-octylphthalate	<0.56	ug/l	0.56	1.8	2		8270	qh	2/19/2002 / 3/7/2002
Dibenz (a,h) anthracene	<0.38	ug/l	0.38	1.2	2		8270	qh	2/19/2002 / 3/7/2002
Dibenzofuran	<0.62	ug/l	0.62	2.0	2		8270	qh	2/19/2002 / 3/7/2002
Diethylphthalate	<0.62	ug/l	0.62	2.0	2		8270	qh	2/19/2002 / 3/7/2002
Dimethylphthalate	<0.60	ug/l	0.60	1.9	2		8270	qh	2/19/2002 / 3/7/2002
Fluoranthene	<0.88	ug/l	0.88	2.8	2		8270	qh	2/19/2002 / 3/7/2002
Fluorene	<0.38	ug/l	0.38	1.2	2		8270	qh	2/19/2002 / 3/7/2002
Hexachlorobenzene	<0.42	ug/l	0.42	1.3	2		8270	qh	2/19/2002 / 3/7/2002
Hexachlorobutadiene	<0.30	ug/l	0.30	0.95	2		8270	qh	2/19/2002 / 3/7/2002
Hexachlorocyclopentadiene	<1.2	ug/l	1.2	3.8	2		8270	qh	2/19/2002 / 3/7/2002
Hexachloroethane	<0.40	ug/l	0.40	1.3	2		8270	qh	2/19/2002 / 3/7/2002
Hexachloropropylene	<0.58	ug/l	0.58	1.8	2		8270	qh	2/19/2002 / 3/7/2002
Indeno (1,2,3-cd)pyrene	<1.1	ug/l	1.1	3.4	2		8270	qh	2/19/2002 / 3/7/2002
Isophorone	<0.54	ug/l	0.54	1.7	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosodibutylamine	<0.48	ug/l	0.48	1.5	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosodiethylamine	<0.16	ug/l	0.16	0.51	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosodimethylamine	<1.6	ug/l	1.6	5.1	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosodiphenylamine	<0.36	ug/l	0.36	1.1	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosodipropylamine	<0.46	ug/l	0.46	1.5	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosomethylethylamine	<2.3	ug/l	2.3	7.4	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosomorpholine	<0.62	ug/l	0.62	2.0	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosopiperidine	<0.44	ug/l	0.44	1.4	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosopyrrolidine	<0.58	ug/l	0.58	1.8	2		8270	qh	2/19/2002 / 3/7/2002
Naphthalene	<0.64	ug/l	0.64	2.0	2		8270	qh	2/19/2002 / 3/7/2002
Nitrobenzene	<0.68	ug/l	0.68	2.2	2		8270	qh	2/19/2002 / 3/7/2002
o-Toluidine	<0.42	ug/l	0.42	1.3	2		8270	qh	2/19/2002 / 3/7/2002
Pentachlorobenzene	<0.34	ug/l	0.34	1.1	2		8270	qh	2/19/2002 / 3/7/2002
Pentachloroethane	<0.34	ug/l	0.34	1.1	2		8270	qh	2/19/2002 / 3/7/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020125**
DATE REPORTED: 18-Mar-02
DATE RECEIVED: 18-Feb-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: msa#212936 quo
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Pentachlorophenol	< 1.5	ug/l	1.5	4.8	2		8270	qh	2/19/2002 / 3/7/2002
Phenanthrene	< 0.64	ug/l	0.64	2.0	2		8270	qh	2/19/2002 / 3/7/2002
Phenol	< 0.80	ug/l	0.80	2.5	2		8270	qh	2/19/2002 / 3/7/2002
Pyrene	< 1.0	ug/l	1.0	3.2	2		8270	qh	2/19/2002 / 3/7/2002
Pyridine	< 0.72	ug/l	0.72	2.3	2		8270	qh	2/19/2002 / 3/7/2002

Sample Number: 27576 QC Prep Batch Number: 1000010 Collection: 2/13/2002 Time: 16:28
Client ID: dup. MW-5 Sample Description:

1,2,4,5-Tetrachlorobenzene	< 0.76	ug/l	0.76	2.4	2		8270	qh	2/19/2002 / 3/7/2002
1,2,4-Trichlorobenzene	< 0.82	ug/l	0.82	2.6	2		8270	qh	2/19/2002 / 3/7/2002
1,2-Dichlorobenzene	< 0.56	ug/l	0.56	1.8	2		8270	qh	2/19/2002 / 3/7/2002
1,2-Diphenylhydrazine	< 0.90	ug/l	0.90	2.9	2		8270	qh	2/19/2002 / 3/7/2002
1,3-Dichlorobenzene	< 0.48	ug/l	0.48	1.5	2		8270	qh	2/19/2002 / 3/7/2002
1,3-Dinitrobenzene	< 0.56	ug/l	0.56	1.8	2		8270	qh	2/19/2002 / 3/7/2002
1,4-Dichlorobenzene	< 0.46	ug/l	0.46	1.5	2		8270	qh	2/19/2002 / 3/7/2002
1,4-Napthoquinone	< 0.50	ug/l	0.50	1.6	2		8270	qh	2/19/2002 / 3/7/2002
1-Methylnaphthalene	1.8	ug/l	0.60	1.9	2	J	8270	qh	2/19/2002 / 3/7/2002
2,3,4,6-Tetrachlorophenol	< 0.78	ug/l	0.78	2.5	2		8270	qh	2/19/2002 / 3/7/2002
2,4,5-Trichlorophenol	< 0.94	ug/l	0.94	3.0	2		8270	qh	2/19/2002 / 3/7/2002
2,4,6-Trichlorophenol	< 0.76	ug/l	0.76	2.4	2		8270	qh	2/19/2002 / 3/7/2002
2,4-Dichlorophenol	< 0.86	ug/l	0.86	2.7	2		8270	qh	2/19/2002 / 3/7/2002
2,4-Dimethylphenol	< 4.1	ug/l	4.1	13	2		8270	qh	2/19/2002 / 3/7/2002
2,4-Dinitrophenol	< 1.2	ug/l	1.2	3.8	2		8270	qh	2/19/2002 / 3/7/2002
2,4-Dinitrotoluene	< 0.90	ug/l	0.90	2.9	2		8270	qh	2/19/2002 / 3/7/2002
2,6-Dichlorophenol	< 0.94	ug/l	0.94	3.0	2		8270	qh	2/19/2002 / 3/7/2002
2,6-Dinitrotoluene	< 0.66	ug/l	0.66	2.1	2		8270	qh	2/19/2002 / 3/7/2002
2-Chloronaphthalene	< 0.86	ug/l	0.86	2.7	2		8270	qh	2/19/2002 / 3/7/2002
2-Chlorophenol	< 1.6	ug/l	1.6	5.0	2		8270	qh	2/19/2002 / 3/7/2002
2-Methyl-4,6-Dinitrophenol	< 1.1	ug/l	1.1	3.4	2		8270	qh	2/19/2002 / 3/7/2002
2-Methylnaphthalene	< 0.76	ug/l	0.76	2.4	2		8270	qh	2/19/2002 / 3/7/2002
2-Methylphenol	< 0.68	ug/l	0.68	2.2	2		8270	qh	2/19/2002 / 3/7/2002
2-Nitroaniline	< 0.64	ug/l	0.64	2.0	2		8270	qh	2/19/2002 / 3/7/2002
2-Nitrophenol	< 1.0	ug/l	1.0	3.3	2		8270	qh	2/19/2002 / 3/7/2002
3,3'-Dichlorobenzidine	< 1.3	ug/l	1.3	4.2	2		8270	qh	2/19/2002 / 3/7/2002
3,3'-Dimethylbenzidine	< 1.0	ug/l	1.0	3.2	2		8270	qh	2/19/2002 / 3/7/2002
3- + 4-Methylphenol	< 0.80	ug/l	0.80	2.5	2		8270	qh	2/19/2002 / 3/7/2002
3-Nitroaniline	< 0.92	ug/l	0.92	2.9	2		8270	qh	2/19/2002 / 3/7/2002
4-Bromophenyl phenyl ether	< 0.36	ug/l	0.36	1.1	2		8270	qh	2/19/2002 / 3/7/2002
4-Chloro-3-methyl phenol	< 6.7	ug/l	6.7	21	2		8270	qh	2/19/2002 / 3/7/2002
4-Chloroaniline	< 1.1	ug/l	1.1	3.4	2		8270	qh	2/19/2002 / 3/7/2002
4-Chlorophenyl phenyl ether	< 0.66	ug/l	0.66	2.1	2		8270	qh	2/19/2002 / 3/7/2002
4-Nitroaniline	< 0.78	ug/l	0.78	2.5	2		8270	qh	2/19/2002 / 3/7/2002
4-Nitrophenol	< 3.3	ug/l	3.3	10	2		8270	qh	2/19/2002 / 3/7/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020125**
DATE REPORTED: 18-Mar-02
DATE RECEIVED: 18-Feb-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: msa#212936 quo
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Acenaphthene	<0.56	ug/l	0.56	1.8	2		8270	qh	2/19/2002 / 3/7/2002
Acenaphthylene	<0.62	ug/l	0.62	2.0	2		8270	qh	2/19/2002 / 3/7/2002
Analine	<0.76	ug/l	0.76	2.4	2		8270	qh	2/19/2002 / 3/7/2002
Anthracene	<0.62	ug/l	0.62	2.0	2		8270	qh	2/19/2002 / 3/7/2002
Benzidine	<1.2	ug/l	1.2	3.9	2		8270	qh	2/19/2002 / 3/7/2002
Benzo (a) anthracene	<1.1	ug/l	1.1	3.5	2		8270	qh	2/19/2002 / 3/7/2002
Benzo (a) pyrene	<0.38	ug/l	0.38	1.2	2		8270	qh	2/19/2002 / 3/7/2002
Benzo (b) fluoranthene	<0.74	ug/l	0.74	2.4	2		8270	qh	2/19/2002 / 3/7/2002
Benzo (g,h,i) perylene	<0.38	ug/l	0.38	1.2	2		8270	qh	2/19/2002 / 3/7/2002
Benzo (k) fluoranthene	<0.56	ug/l	0.56	1.8	2		8270	qh	2/19/2002 / 3/7/2002
Benzyl alcohol	<1.4	ug/l	1.4	4.5	2		8270	qh	2/19/2002 / 3/7/2002
Bis (2-chloroethoxy)methane	<0.56	ug/l	0.56	1.8	2		8270	qh	2/19/2002 / 3/7/2002
Bis (2-chloroethyl) ether	<0.90	ug/l	0.90	2.9	2		8270	qh	2/19/2002 / 3/7/2002
Bis (2-chloroisopropyl) ether	<0.48	ug/l	0.48	1.5	2		8270	qh	2/19/2002 / 3/7/2002
Bis (2-ethylhexyl) phthalate	<1.3	ug/l	1.3	4.1	2		8270	qh	2/19/2002 / 3/7/2002
Butyl benzyl phthalate	<1.1	ug/l	1.1	3.4	2		8270	qh	2/19/2002 / 3/7/2002
Chrysene	<1.1	ug/l	1.1	3.4	2		8270	qh	2/19/2002 / 3/7/2002
Di-n-butylphthalate	3.2	ug/l	0.56	1.8	2		8270	qh	2/19/2002 / 3/7/2002
Di-n-octylphthalate	<0.56	ug/l	0.56	1.8	2		8270	qh	2/19/2002 / 3/7/2002
Dibenz (a,h) anthracene	<0.38	ug/l	0.38	1.2	2		8270	qh	2/19/2002 / 3/7/2002
Dibenzofuran	<0.62	ug/l	0.62	2.0	2		8270	qh	2/19/2002 / 3/7/2002
Diethylphthalate	<0.62	ug/l	0.62	2.0	2		8270	qh	2/19/2002 / 3/7/2002
Dimethylphthalate	<0.60	ug/l	0.60	1.9	2		8270	qh	2/19/2002 / 3/7/2002
Fluoranthene	<0.88	ug/l	0.88	2.8	2		8270	qh	2/19/2002 / 3/7/2002
Fluorene	<0.38	ug/l	0.38	1.2	2		8270	qh	2/19/2002 / 3/7/2002
Hexachlorobenzene	<0.42	ug/l	0.42	1.3	2		8270	qh	2/19/2002 / 3/7/2002
Hexachlorobutadiene	<0.30	ug/l	0.30	0.95	2		8270	qh	2/19/2002 / 3/7/2002
Hexachlorocyclopentadiene	<1.2	ug/l	1.2	3.8	2		8270	qh	2/19/2002 / 3/7/2002
Hexachloroethane	<0.40	ug/l	0.40	1.3	2		8270	qh	2/19/2002 / 3/7/2002
Hexachloropropylene	<0.58	ug/l	0.58	1.8	2		8270	qh	2/19/2002 / 3/7/2002
Indeno (1,2,3-cd)pyrene	<1.1	ug/l	1.1	3.4	2		8270	qh	2/19/2002 / 3/7/2002
Isophorone	<0.54	ug/l	0.54	1.7	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosodibutylamine	<0.48	ug/l	0.48	1.5	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosodiethylamine	<0.16	ug/l	0.16	0.51	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosodimethylamine	<1.6	ug/l	1.6	5.1	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosodiphenylamine	<0.36	ug/l	0.36	1.1	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosodipropylamine	<0.46	ug/l	0.46	1.5	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosomethylethylamine	<2.3	ug/l	2.3	7.4	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosomorpholine	<0.62	ug/l	0.62	2.0	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosopiperidine	<0.44	ug/l	0.44	1.4	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosopyrrolidine	<0.58	ug/l	0.58	1.8	2		8270	qh	2/19/2002 / 3/7/2002
Naphthalene	<0.64	ug/l	0.64	2.0	2		8270	qh	2/19/2002 / 3/7/2002
Nitrobenzene	<0.68	ug/l	0.68	2.2	2		8270	qh	2/19/2002 / 3/7/2002
o-Toluidine	<0.42	ug/l	0.42	1.3	2		8270	qh	2/19/2002 / 3/7/2002
Pentachlorobenzene	<0.34	ug/l	0.34	1.1	2		8270	qh	2/19/2002 / 3/7/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020125**
DATE REPORTED: 18-Mar-02
DATE RECEIVED: 18-Feb-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: msa#212936 quo
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Pentachloroethane	< 0.34	ug/l	0.34	1.1	2		8270	qh	2/19/2002 / 3/7/2002
Pentachlorophenol	< 1.5	ug/l	1.5	4.8	2		8270	qh	2/19/2002 / 3/7/2002
Phenanthrene	< 0.64	ug/l	0.64	2.0	2		8270	qh	2/19/2002 / 3/7/2002
Phenol	< 0.80	ug/l	0.80	2.5	2		8270	qh	2/19/2002 / 3/7/2002
Pyrene	< 1.0	ug/l	1.0	3.2	2		8270	qh	2/19/2002 / 3/7/2002
Pyridine	< 0.72	ug/l	0.72	2.3	2		8270	qh	2/19/2002 / 3/7/2002

Sample Number: 27577 QC Prep Batch Number: 1000010 Collection: 2/13/2002 Time: 14:46
Client ID: MW-4 ms/msd Sample Description:

1,2,4,5-Tetrachlorobenzene	< 0.76	ug/l	0.76	2.4	2		8270	qh	2/19/2002 / 3/7/2002
1,2,4-Trichlorobenzene	< 0.82	ug/l	0.82	2.6	2		8270	qh	2/19/2002 / 3/7/2002
1,2-Dichlorobenzene	< 0.56	ug/l	0.56	1.8	2		8270	qh	2/19/2002 / 3/7/2002
1,2-Diphenylhydrazine	< 0.90	ug/l	0.90	2.9	2		8270	qh	2/19/2002 / 3/7/2002
1,3-Dichlorobenzene	< 0.48	ug/l	0.48	1.5	2		8270	qh	2/19/2002 / 3/7/2002
1,3-Dinitrobenzene	< 0.56	ug/l	0.56	1.8	2		8270	qh	2/19/2002 / 3/7/2002
1,4-Dichlorobenzene	< 0.46	ug/l	0.46	1.5	2		8270	qh	2/19/2002 / 3/7/2002
1,4-Napthoquinone	< 0.50	ug/l	0.50	1.6	2		8270	qh	2/19/2002 / 3/7/2002
1-Methylnaphthalene	< 0.60	ug/l	0.60	1.9	2		8270	qh	2/19/2002 / 3/7/2002
2,3,4,6-Tetrachlorophenol	< 0.78	ug/l	0.78	2.5	2		8270	qh	2/19/2002 / 3/7/2002
2,4,5-Trichlorophenol	< 0.94	ug/l	0.94	3.0	2		8270	qh	2/19/2002 / 3/7/2002
2,4,6-Trichlorophenol	< 0.76	ug/l	0.76	2.4	2		8270	qh	2/19/2002 / 3/7/2002
2,4-Dichlorophenol	< 0.86	ug/l	0.86	2.7	2		8270	qh	2/19/2002 / 3/7/2002
2,4-Dimethylphenol	< 4.1	ug/l	4.1	13	2		8270	qh	2/19/2002 / 3/7/2002
2,4-Dinitrophenol	< 1.2	ug/l	1.2	3.8	2		8270	qh	2/19/2002 / 3/7/2002
2,4-Dinitrotoluene	< 0.90	ug/l	0.90	2.9	2		8270	qh	2/19/2002 / 3/7/2002
2,6-Dichlorophenol	< 0.94	ug/l	0.94	3.0	2		8270	qh	2/19/2002 / 3/7/2002
2,6-Dinitrotoluene	< 0.66	ug/l	0.66	2.1	2		8270	qh	2/19/2002 / 3/7/2002
2-Chloronaphthalene	< 0.86	ug/l	0.86	2.7	2		8270	qh	2/19/2002 / 3/7/2002
2-Chlorophenol	< 1.6	ug/l	1.6	5.0	2		8270	qh	2/19/2002 / 3/7/2002
2-Methyl-4,6-Dinitrophenol	< 1.1	ug/l	1.1	3.4	2		8270	qh	2/19/2002 / 3/7/2002
2-Methylnaphthalene	< 0.76	ug/l	0.76	2.4	2		8270	qh	2/19/2002 / 3/7/2002
2-Methylphenol	< 0.68	ug/l	0.68	2.2	2		8270	qh	2/19/2002 / 3/7/2002
2-Nitroaniline	< 0.64	ug/l	0.64	2.0	2		8270	qh	2/19/2002 / 3/7/2002
2-Nitrophenol	< 1.0	ug/l	1.0	3.3	2		8270	qh	2/19/2002 / 3/7/2002
3,3'-Dichlorobenzidine	< 1.3	ug/l	1.3	4.2	2		8270	qh	2/19/2002 / 3/7/2002
3,3'-Dimethylbenzidine	< 1.0	ug/l	1.0	3.2	2		8270	qh	2/19/2002 / 3/7/2002
3- + 4-Methylphenol	< 0.80	ug/l	0.80	2.5	2		8270	qh	2/19/2002 / 3/7/2002
3-Nitroaniline	< 0.92	ug/l	0.92	2.9	2		8270	qh	2/19/2002 / 3/7/2002
4-Bromophenyl phenyl ether	< 0.36	ug/l	0.36	1.1	2		8270	qh	2/19/2002 / 3/7/2002
4-Chloro-3-methyl phenol	< 6.7	ug/l	6.7	21	2		8270	qh	2/19/2002 / 3/7/2002
4-Chloroaniline	< 1.1	ug/l	1.1	3.4	2		8270	qh	2/19/2002 / 3/7/2002
4-Chlorophenyl phenyl ether	< 0.66	ug/l	0.66	2.1	2		8270	qh	2/19/2002 / 3/7/2002
4-Nitroaniline	< 0.78	ug/l	0.78	2.5	2		8270	qh	2/19/2002 / 3/7/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020125**
DATE REPORTED: 18-Mar-02
DATE RECEIVED: 18-Feb-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: msa#212936 quo
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
4-Nitrophenol	<3.3	ug/l	3.3	10	2		8270	qh	2/19/2002 / 3/7/2002
Acenaphthene	<0.56	ug/l	0.56	1.8	2		8270	qh	2/19/2002 / 3/7/2002
Acenaphthylene	<0.62	ug/l	0.62	2.0	2		8270	qh	2/19/2002 / 3/7/2002
Analine	<0.76	ug/l	0.76	2.4	2		8270	qh	2/19/2002 / 3/7/2002
Anthracene	<0.62	ug/l	0.62	2.0	2		8270	qh	2/19/2002 / 3/7/2002
Benzidine	<1.2	ug/l	1.2	3.9	2		8270	qh	2/19/2002 / 3/7/2002
Benzo (a) anthracene	<1.1	ug/l	1.1	3.5	2		8270	qh	2/19/2002 / 3/7/2002
Benzo (a) pyrene	<0.38	ug/l	0.38	1.2	2		8270	qh	2/19/2002 / 3/7/2002
Benzo (b) fluoranthene	<0.74	ug/l	0.74	2.4	2		8270	qh	2/19/2002 / 3/7/2002
Benzo (g,h,i) perylene	<0.38	ug/l	0.38	1.2	2		8270	qh	2/19/2002 / 3/7/2002
Benzo (k) fluoranthene	<0.56	ug/l	0.56	1.8	2		8270	qh	2/19/2002 / 3/7/2002
Benzyl alcohol	<1.4	ug/l	1.4	4.5	2		8270	qh	2/19/2002 / 3/7/2002
Bis (2-chloroethoxy)methane	<0.56	ug/l	0.56	1.8	2		8270	qh	2/19/2002 / 3/7/2002
Bis (2-chloroethyl) ether	<0.90	ug/l	0.90	2.9	2		8270	qh	2/19/2002 / 3/7/2002
Bis (2-chloroisopropyl) ether	<0.48	ug/l	0.48	1.5	2		8270	qh	2/19/2002 / 3/7/2002
Bis (2-ethylhexyl) phthalate	5.9	ug/l	1.3	4.1	2		8270	qh	2/19/2002 / 3/7/2002
Butyl benzyl phthalate	<1.1	ug/l	1.1	3.4	2		8270	qh	2/19/2002 / 3/7/2002
Chrysene	<1.1	ug/l	1.1	3.4	2		8270	qh	2/19/2002 / 3/7/2002
Di-n-butylphthalate	<0.56	ug/l	0.56	1.8	2		8270	qh	2/19/2002 / 3/7/2002
Di-n-octylphthalate	<0.56	ug/l	0.56	1.8	2		8270	qh	2/19/2002 / 3/7/2002
Dibenz (a,h) anthracene	<0.38	ug/l	0.38	1.2	2		8270	qh	2/19/2002 / 3/7/2002
Dibenzofuran	<0.62	ug/l	0.62	2.0	2		8270	qh	2/19/2002 / 3/7/2002
Diethylphthalate	<0.62	ug/l	0.62	2.0	2		8270	qh	2/19/2002 / 3/7/2002
Dimethylphthalate	<0.60	ug/l	0.60	1.9	2		8270	qh	2/19/2002 / 3/7/2002
Fluoranthene	<0.88	ug/l	0.88	2.8	2		8270	qh	2/19/2002 / 3/7/2002
Fluorene	<0.38	ug/l	0.38	1.2	2		8270	qh	2/19/2002 / 3/7/2002
Hexachlorobenzene	<0.42	ug/l	0.42	1.3	2		8270	qh	2/19/2002 / 3/7/2002
Hexachlorobutadiene	<0.30	ug/l	0.30	0.95	2		8270	qh	2/19/2002 / 3/7/2002
Hexachlorocyclopentadiene	<1.2	ug/l	1.2	3.8	2		8270	qh	2/19/2002 / 3/7/2002
Hexachloroethane	<0.40	ug/l	0.40	1.3	2		8270	qh	2/19/2002 / 3/7/2002
Hexachloropropylene	<0.58	ug/l	0.58	1.8	2		8270	qh	2/19/2002 / 3/7/2002
Indeno (1,2,3-cd)pyrene	<1.1	ug/l	1.1	3.4	2		8270	qh	2/19/2002 / 3/7/2002
Isophorone	<0.54	ug/l	0.54	1.7	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosodibutylamine	<0.48	ug/l	0.48	1.5	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosodiethylamine	<0.16	ug/l	0.16	0.51	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosodimethylamine	<1.6	ug/l	1.6	5.1	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosodiphenylamine	<0.36	ug/l	0.36	1.1	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosodipropylamine	<0.46	ug/l	0.46	1.5	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosomethylethylamine	<2.3	ug/l	2.3	7.4	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosomorpholine	<0.62	ug/l	0.62	2.0	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosopiperidine	<0.44	ug/l	0.44	1.4	2		8270	qh	2/19/2002 / 3/7/2002
N-Nitrosopyrrolidine	<0.58	ug/l	0.58	1.8	2		8270	qh	2/19/2002 / 3/7/2002
Naphthalene	<0.64	ug/l	0.64	2.0	2		8270	qh	2/19/2002 / 3/7/2002
Nitrobenzene	<0.68	ug/l	0.68	2.2	2		8270	qh	2/19/2002 / 3/7/2002
o-Toluidine	<0.42	ug/l	0.42	1.3	2		8270	qh	2/19/2002 / 3/7/2002

APL INC.

INORGANIC REPORT

WDNR# 241340550

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

INVOICE NUMBER **20020257**
DATE REPORTED: 06-May-02
DATE RECEIVED: 19-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA #212936,Q
PROJECT NAME: Kreher Purk

Sample Number: 28171 Matrix: GW
Client ID: **MW-S**
Collection: 4/18/2002 Time: 11:01
Sample Description:

Test	Result	Units		RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	**<5.6**	**ug/l**		**RJ**	5.6	18	206.2	bb	4/29/2002	*1000506*	
Cadmium - Furnace AA	**<0.4**	**ug/l**		**RJ**	0.4	1.3	213.2	LU	4/30/2002	*1000533*	
Chromium, Total - ICAP	**<0.008**	**mg/l**		**RJ**	0.008	0.03	200.7	ez	4/26/2002	*1000485*	
Copper- ICAP	**0.008**	**mg/l**	*J*	**RJ**	0.006	0.02	200.7	ez	4/26/2002	*1000485*	
Iron - ICAP	**0.29**	**mg/l**		**RJ**	0.081	0.26	200.7	ez	4/26/2002	*1000485*	
Lead - Furnace AA	**<1.5**	**ug/l**		**RJ**	1.5	4.8	239.2	LU	4/30/2002	*1000532*	
Nickel - ICAP	**<0.011**	**mg/l**		**RJ**	0.011	0.03	200.7	ez	4/26/2002	*1000485*	
Zinc - ICAP	**0.06**	**mg/l**		**RJ**	0.014	0.04	200.7	ez	4/26/2002	*1000485*	

Approved By: _____ **Date:** 5/6/02
James Chang, Ph.D., Lab Director

RJ *Result expressed as Total.*

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B "J" = Results between LOD and LOQ "#" = no LOD or LOQ required.
LOQ = 10 (S) x Dilution Facor, where "S" is the Standard Deviation from the MDL Study
LOD = 3.143 (S) x Dilution Facor, where "S" is the Standard Deviation from the MDL Study

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020257**
DATE REPORTED: 03-May-02
DATE RECEIVED: 19-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA #212936,Q
PROJECT NAME: Kreher Purk

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
trans-1,3-Dichloropropene	< 0.26	**ug/l**	0.26	0.83	1		8260	QH	4/19/2002 / 4/19/2002
Trichloroethene	< 0.34	**ug/l**	0.34	1.1	1		8260	QH	4/19/2002 / 4/19/2002
Trichlorofluoromethane	< 0.24	**ug/l**	0.24	0.76	1		8260	QH	4/19/2002 / 4/19/2002
Vinyl chloride	< 0.20	**ug/l**	0.20	0.64	1		8260	QH	4/19/2002 / 4/19/2002

Approved By: _____ **Date:** 5/3/02

James Chang, Ph.D. , Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range .
LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
RQ : Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample
"O" = Significant peaks outside of the GRO or DRO retention time wiindows

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020257**
DATE REPORTED: 03-May-02
DATE RECEIVED: 19-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA #212936,Q
PROJECT NAME: Kreher Purk

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,3-Dichlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	QH	4/19/2002 / 4/19/2002
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	1		8260	QH	4/19/2002 / 4/19/2002
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	1		8260	QH	4/19/2002 / 4/19/2002
12Dibromo-3-chloropropan	<0.33	ug/l	0.33	1.0	1		8260	QH	4/19/2002 / 4/19/2002
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	1		8260	QH	4/19/2002 / 4/19/2002
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	1		8260	QH	4/19/2002 / 4/19/2002
2-Chloroethyl Vinyl Ether	<0.70	ug/l	0.70	2.2	1		8260	QH	4/19/2002 / 4/19/2002
2-Chlorotoluene	<0.30	ug/l	0.30	0.95	1		8260	QH	4/19/2002 / 4/19/2002
4-Chlorotoluene	<0.26	ug/l	0.26	0.83	1		8260	QH	4/19/2002 / 4/19/2002
4-Methyl-2-Pentanone	<0.80	ug/l	0.80	2.5	1		8260	QH	4/19/2002 / 4/19/2002
Acetone	<1.6	ug/l	1.6	4.9	1		8260	QH	4/19/2002 / 4/19/2002
Benzene	<0.27	ug/l	0.27	0.86	1		8260	QH	4/19/2002 / 4/19/2002
Bromobenzene	<0.31	ug/l	0.31	0.99	1		8260	QH	4/19/2002 / 4/19/2002
Bromochloromethane	<0.37	ug/l	0.37	1.2	1		8260	QH	4/19/2002 / 4/19/2002
Bromodichloromethane	<0.38	ug/l	0.38	1.2	1		8260	QH	4/19/2002 / 4/19/2002
Bromoform	<0.39	ug/l	0.39	1.2	1		8260	QH	4/19/2002 / 4/19/2002
Bromomethane	<0.65	ug/l	0.65	2.1	1		8260	QH	4/19/2002 / 4/19/2002
Carbon tetrachloride	<0.27	ug/l	0.27	0.86	1		8260	QH	4/19/2002 / 4/19/2002
Chlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	QH	4/19/2002 / 4/19/2002
Chloroethane	<0.64	ug/l	0.64	2.0	1		8260	QH	4/19/2002 / 4/19/2002
Chloroform	<0.24	ug/l	0.24	0.76	1		8260	QH	4/19/2002 / 4/19/2002
Chloromethane	<0.49	ug/l	0.49	1.6	1		8260	QH	4/19/2002 / 4/19/2002
cis-1,2-Dichloroethene	<0.27	ug/l	0.27	0.86	1		8260	QH	4/19/2002 / 4/19/2002
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	1		8260	QH	4/19/2002 / 4/19/2002
Dibromochloromethane	<0.41	ug/l	0.41	1.3	1		8260	QH	4/19/2002 / 4/19/2002
Dibromomethane	<0.46	ug/l	0.46	1.5	1		8260	QH	4/19/2002 / 4/19/2002
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	1		8260	QH	4/19/2002 / 4/19/2002
Ethylbenzene	<0.25	ug/l	0.25	0.80	1		8260	QH	4/19/2002 / 4/19/2002
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	1		8260	QH	4/19/2002 / 4/19/2002
Isopropyl Ether	<0.30	ug/l	0.30	0.95	1		8260	QH	4/19/2002 / 4/19/2002
Isopropylbenzene	<0.33	ug/l	0.33	1.0	1		8260	QH	4/19/2002 / 4/19/2002
m&p-xylene	<0.53	ug/l	0.53	1.7	1		8260	QH	4/19/2002 / 4/19/2002
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1		8260	QH	4/19/2002 / 4/19/2002
Methylene chloride	<0.30	ug/l	0.30	0.95	1		8260	QH	4/19/2002 / 4/19/2002
n-Butylbenzene	<0.36	ug/l	0.36	1.1	1		8260	QH	4/19/2002 / 4/19/2002
n-Propylbenzene	<0.28	ug/l	0.28	0.89	1		8260	QH	4/19/2002 / 4/19/2002
Naphthalene	<0.75	ug/l	0.75	2.4	1		8260	QH	4/19/2002 / 4/19/2002
o-xylene	<0.25	ug/l	0.25	0.80	1		8260	QH	4/19/2002 / 4/19/2002
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	1		8260	QH	4/19/2002 / 4/19/2002
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	1		8260	QH	4/19/2002 / 4/19/2002
Styrene	<0.25	ug/l	0.25	0.80	1		8260	QH	4/19/2002 / 4/19/2002
tert-Butylbenzene	<0.30	ug/l	0.30	0.95	1		8260	QH	4/19/2002 / 4/19/2002
Tetrachloroethene	<0.31	ug/l	0.31	0.99	1		8260	QH	4/19/2002 / 4/19/2002
Toluene	<0.29	ug/l	0.29	0.92	1		8260	QH	4/19/2002 / 4/19/2002
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.80	1		8260	QH	4/19/2002 / 4/19/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020257
DATE REPORTED: 03-May-02
DATE RECEIVED: 19-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA #212936,Q
PROJECT NAME: Kreher Purk

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Dibromomethane	<0.46	ug/l	0.46	1.5	1		8260	QH	4/19/2002 / 4/19/2002
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	1		8260	QH	4/19/2002 / 4/19/2002
Ethylbenzene	<0.25	ug/l	0.25	0.80	1		8260	QH	4/19/2002 / 4/19/2002
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	1		8260	QH	4/19/2002 / 4/19/2002
Isopropyl Ether	<0.30	ug/l	0.30	0.95	1		8260	QH	4/19/2002 / 4/19/2002
Isopropylbenzene	<0.33	ug/l	0.33	1.0	1		8260	QH	4/19/2002 / 4/19/2002
m&p-xylene	<0.53	ug/l	0.53	1.7	1		8260	QH	4/19/2002 / 4/19/2002
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1		8260	QH	4/19/2002 / 4/19/2002
Methylene chloride	<0.30	ug/l	0.30	0.95	1		8260	QH	4/19/2002 / 4/19/2002
n-Butylbenzene	<0.36	ug/l	0.36	1.1	1		8260	QH	4/19/2002 / 4/19/2002
n-Propylbenzene	<0.28	ug/l	0.28	0.89	1		8260	QH	4/19/2002 / 4/19/2002
Naphthalene	<0.75	ug/l	0.75	2.4	1		8260	QH	4/19/2002 / 4/19/2002
o-xylene	<0.25	ug/l	0.25	0.80	1		8260	QH	4/19/2002 / 4/19/2002
p-Isopropyltoluene	0.58	ug/l	0.31	0.99	1	J	8260	QH	4/19/2002 / 4/19/2002
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	1		8260	QH	4/19/2002 / 4/19/2002
Styrene	<0.25	ug/l	0.25	0.80	1		8260	QH	4/19/2002 / 4/19/2002
tert-Butylbenzene	<0.30	ug/l	0.30	0.95	1		8260	QH	4/19/2002 / 4/19/2002
Tetrachloroethene	<0.31	ug/l	0.31	0.99	1		8260	QH	4/19/2002 / 4/19/2002
Toluene	<0.29	ug/l	0.29	0.92	1		8260	QH	4/19/2002 / 4/19/2002
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.80	1		8260	QH	4/19/2002 / 4/19/2002
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	1		8260	QH	4/19/2002 / 4/19/2002
Trichloroethene	<0.34	ug/l	0.34	1.1	1		8260	QH	4/19/2002 / 4/19/2002
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	1		8260	QH	4/19/2002 / 4/19/2002
Vinyl chloride	<0.20	ug/l	0.20	0.64	1		8260	QH	4/19/2002 / 4/19/2002

Sample Number: 28172 QC Prep Batch Number: 1000534 Collection: 4/18/2002 Time:
Client ID: trip blank Sample Description:

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.70	1		8260	QH	4/19/2002 / 4/19/2002
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	1		8260	QH	4/19/2002 / 4/19/2002
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	1		8260	QH	4/19/2002 / 4/19/2002
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	1		8260	QH	4/19/2002 / 4/19/2002
1,1-Dichloroethane	<0.32	ug/l	0.32	1.0	1		8260	QH	4/19/2002 / 4/19/2002
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	1		8260	QH	4/19/2002 / 4/19/2002
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1		8260	QH	4/19/2002 / 4/19/2002
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1		8260	QH	4/19/2002 / 4/19/2002
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1		8260	QH	4/19/2002 / 4/19/2002
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1		8260	QH	4/19/2002 / 4/19/2002
1,2,4-Trimethylbenzene	<0.30	ug/l	0.30	0.95	1		8260	QH	4/19/2002 / 4/19/2002
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	1		8260	QH	4/19/2002 / 4/19/2002
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1		8260	QH	4/19/2002 / 4/19/2002
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1		8260	QH	4/19/2002 / 4/19/2002
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1		8260	QH	4/19/2002 / 4/19/2002
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	1		8260	QH	4/19/2002 / 4/19/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20020257**
DATE REPORTED:	03-May-02
DATE RECEIVED:	19-Apr-02
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	MSA #212936,Q
PROJECT NAME:	Kreher Purk

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Sample Number: 28171 QC Prep Batch Number: 1000534 Collection: 4/18/2002 Time: 11:01
Client ID: MW-S Sample Description:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.70	1		8260	QH	4/19/2002 / 4/19/2002
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	1		8260	QH	4/19/2002 / 4/19/2002
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	1		8260	QH	4/19/2002 / 4/19/2002
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	1		8260	QH	4/19/2002 / 4/19/2002
1,1-Dichloroethane	<0.32	ug/l	0.32	1.0	1		8260	QH	4/19/2002 / 4/19/2002
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	1		8260	QH	4/19/2002 / 4/19/2002
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1		8260	QH	4/19/2002 / 4/19/2002
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1		8260	QH	4/19/2002 / 4/19/2002
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1		8260	QH	4/19/2002 / 4/19/2002
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1		8260	QH	4/19/2002 / 4/19/2002
1,2,4-Trimethylbenzene	4.4	ug/l	0.30	0.95	1		8260	QH	4/19/2002 / 4/19/2002
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	1		8260	QH	4/19/2002 / 4/19/2002
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1		8260	QH	4/19/2002 / 4/19/2002
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1		8260	QH	4/19/2002 / 4/19/2002
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1		8260	QH	4/19/2002 / 4/19/2002
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	1		8260	QH	4/19/2002 / 4/19/2002
1,3-Dichlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	QH	4/19/2002 / 4/19/2002
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	1		8260	QH	4/19/2002 / 4/19/2002
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	1		8260	QH	4/19/2002 / 4/19/2002
12Dibromo-3-chloropropan	<0.33	ug/l	0.33	1.0	1		8260	QH	4/19/2002 / 4/19/2002
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	1		8260	QH	4/19/2002 / 4/19/2002
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	1		8260	QH	4/19/2002 / 4/19/2002
2-Chloroethyl Vinyl Ether	<0.70	ug/l	0.70	2.2	1		8260	QH	4/19/2002 / 4/19/2002
2-Chlorotoluene	<0.30	ug/l	0.30	0.95	1		8260	QH	4/19/2002 / 4/19/2002
4-Chlorotoluene	<0.26	ug/l	0.26	0.83	1		8260	QH	4/19/2002 / 4/19/2002
4-Methyl-2-Pentanone	<0.80	ug/l	0.80	2.5	1		8260	QH	4/19/2002 / 4/19/2002
Acetone	<1.6	ug/l	1.6	4.9	1		8260	QH	4/19/2002 / 4/19/2002
Benzene	<0.27	ug/l	0.27	0.86	1		8260	QH	4/19/2002 / 4/19/2002
Bromobenzene	<0.31	ug/l	0.31	0.99	1		8260	QH	4/19/2002 / 4/19/2002
Bromochloromethane	<0.37	ug/l	0.37	1.2	1		8260	QH	4/19/2002 / 4/19/2002
Bromodichloromethane	<0.38	ug/l	0.38	1.2	1		8260	QH	4/19/2002 / 4/19/2002
Bromoform	<0.39	ug/l	0.39	1.2	1		8260	QH	4/19/2002 / 4/19/2002
Bromomethane	<0.65	ug/l	0.65	2.1	1		8260	QH	4/19/2002 / 4/19/2002
Carbon tetrachloride	<0.27	ug/l	0.27	0.86	1		8260	QH	4/19/2002 / 4/19/2002
Chlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	QH	4/19/2002 / 4/19/2002
Chloroethane	<0.64	ug/l	0.64	2.0	1		8260	QH	4/19/2002 / 4/19/2002
Chloroform	<0.24	ug/l	0.24	0.76	1		8260	QH	4/19/2002 / 4/19/2002
Chloromethane	<0.49	ug/l	0.49	1.6	1		8260	QH	4/19/2002 / 4/19/2002
cis-1,2-Dichloroethene	<0.27	ug/l	0.27	0.86	1		8260	QH	4/19/2002 / 4/19/2002
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	1		8260	QH	4/19/2002 / 4/19/2002
Dibromochloromethane	<0.41	ug/l	0.41	1.3	1		8260	QH	4/19/2002 / 4/19/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20020257**
DATE REPORTED:	06-May-02
DATE RECEIVED:	19-Apr-02
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	MSA #212936,Q
PROJECT NAME:	Kreher Purk

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal

Approved By: _____ **Date:** 5/6/02
James Chang, Ph.D. , Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range .
LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
RQ : Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample
"O" = Significant peaks outside of the GRO or DRO retention time wiindows
Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020257**
DATE REPORTED: 06-May-02
DATE RECEIVED: 19-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA #212936,Q
PROJECT NAME: Kreher Purk

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Benzo (a) pyrene	<0.38	ug/l	0.38	1.2	2		8270	qh	4/29/2002 / 5/3/2002
Benzo (b) fluoranthene	<0.74	ug/l	0.74	2.4	2		8270	qh	4/29/2002 / 5/3/2002
Benzo (g,h,i) perylene	<0.38	ug/l	0.38	1.2	2		8270	qh	4/29/2002 / 5/3/2002
Benzo (k) fluoranthene	<0.56	ug/l	0.56	1.8	2		8270	qh	4/29/2002 / 5/3/2002
Benzyl alcohol	<1.4	ug/l	1.4	4.5	2		8270	qh	4/29/2002 / 5/3/2002
Bis (2-chloroethoxy)methane	<0.56	ug/l	0.56	1.8	2		8270	qh	4/29/2002 / 5/3/2002
Bis (2-chloroethyl) ether	<0.90	ug/l	0.90	2.9	2		8270	qh	4/29/2002 / 5/3/2002
Bis (2-chloroisopropyl) ether	<0.48	ug/l	0.48	1.5	2		8270	qh	4/29/2002 / 5/3/2002
Bis (2-ethylhexyl) phthalate	6.9	ug/l	1.3	4.1	2		8270	qh	4/29/2002 / 5/3/2002
Butyl benzyl phthalate	<1.1	ug/l	1.1	3.4	2		8270	qh	4/29/2002 / 5/3/2002
Chrysene	<1.1	ug/l	1.1	3.4	2		8270	qh	4/29/2002 / 5/3/2002
Di-n-butylphthalate	5.4	ug/l	0.56	1.8	2		8270	qh	4/29/2002 / 5/3/2002
Di-n-octylphthalate	<0.56	ug/l	0.56	1.8	2		8270	qh	4/29/2002 / 5/3/2002
Dibenz (a,h) anthracene	<0.38	ug/l	0.38	1.2	2		8270	qh	4/29/2002 / 5/3/2002
Dibenzofuran	<0.62	ug/l	0.62	2.0	2		8270	qh	4/29/2002 / 5/3/2002
Diethylphthalate	<0.62	ug/l	0.62	2.0	2		8270	qh	4/29/2002 / 5/3/2002
Dimethylphthalate	<0.60	ug/l	0.60	1.9	2		8270	qh	4/29/2002 / 5/3/2002
Fluoranthene	<0.88	ug/l	0.88	2.8	2		8270	qh	4/29/2002 / 5/3/2002
Fluorene	<0.38	ug/l	0.38	1.2	2		8270	qh	4/29/2002 / 5/3/2002
Hexachlorobenzene	<0.42	ug/l	0.42	1.3	2		8270	qh	4/29/2002 / 5/3/2002
Hexachlorobutadiene	<0.30	ug/l	0.30	0.95	2		8270	qh	4/29/2002 / 5/3/2002
Hexachlorocyclopentadiene	<1.2	ug/l	1.2	3.8	2		8270	qh	4/29/2002 / 5/3/2002
Hexachloroethane	<0.40	ug/l	0.40	1.3	2		8270	qh	4/29/2002 / 5/3/2002
Hexachloropropylene	<0.58	ug/l	0.58	1.8	2		8270	qh	4/29/2002 / 5/3/2002
Indeno (1,2,3-cd)pyrene	<1.1	ug/l	1.1	3.4	2		8270	qh	4/29/2002 / 5/3/2002
Isophorone	<0.54	ug/l	0.54	1.7	2		8270	qh	4/29/2002 / 5/3/2002
N-Nitrosodibutylamine	<0.48	ug/l	0.48	1.5	2		8270	qh	4/29/2002 / 5/3/2002
N-Nitrosodiethylamine	<0.16	ug/l	0.16	0.51	2		8270	qh	4/29/2002 / 5/3/2002
N-Nitrosodimethylamine	<1.6	ug/l	1.6	5.1	2		8270	qh	4/29/2002 / 5/3/2002
N-Nitrosodiphenylamine	<0.36	ug/l	0.36	1.1	2		8270	qh	4/29/2002 / 5/3/2002
N-Nitrosodipropylamine	<0.46	ug/l	0.46	1.5	2		8270	qh	4/29/2002 / 5/3/2002
N-Nitrosomethylethylamine	<2.3	ug/l	2.3	7.4	2		8270	qh	4/29/2002 / 5/3/2002
N-Nitrosomorpholine	<0.62	ug/l	0.62	2.0	2		8270	qh	4/29/2002 / 5/3/2002
N-Nitrosopiperidine	<0.44	ug/l	0.44	1.4	2		8270	qh	4/29/2002 / 5/3/2002
N-Nitrosopyrrolidine	<0.58	ug/l	0.58	1.8	2		8270	qh	4/29/2002 / 5/3/2002
Naphthalene	<0.64	ug/l	0.64	2.0	2		8270	qh	4/29/2002 / 5/3/2002
Nitrobenzene	<0.68	ug/l	0.68	2.2	2		8270	qh	4/29/2002 / 5/3/2002
o-Toluidine	<0.42	ug/l	0.42	1.3	2		8270	qh	4/29/2002 / 5/3/2002
Pentachlorobenzene	<0.34	ug/l	0.34	1.1	2		8270	qh	4/29/2002 / 5/3/2002
Pentachloroethane	<0.34	ug/l	0.34	1.1	2		8270	qh	4/29/2002 / 5/3/2002
Pentachlorophenol	<1.5	ug/l	1.5	4.8	2		8270	qh	4/29/2002 / 5/3/2002
Phenanthrene	<0.64	ug/l	0.64	2.0	2		8270	qh	4/29/2002 / 5/3/2002
Phenol	<0.80	ug/l	0.80	2.5	2		8270	qh	4/29/2002 / 5/3/2002
Pyrene	<1.0	ug/l	1.0	3.2	2		8270	qh	4/29/2002 / 5/3/2002
Pyridine	<0.72	ug/l	0.72	2.3	2		8270	qh	4/29/2002 / 5/3/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020257**
DATE REPORTED: 06-May-02
DATE RECEIVED: 19-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MSA #212936,Q
PROJECT NAME: Kreher Purk

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Sample Number: 28171 QC Prep Batch Number: 1000569 Collection: 4/18/2002 Time: 11:01
Client ID: MW-S Sample Description:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,2,4,5-Tetrachlorobenzene	< 0.76	ug/l	0.76	2.4	2		8270	qh	4/29/2002 / 5/3/2002
1,2,4-Trichlorobenzene	< 0.82	ug/l	0.82	2.6	2		8270	qh	4/29/2002 / 5/3/2002
1,2-Dichlorobenzene	< 0.56	ug/l	0.56	1.8	2		8270	qh	4/29/2002 / 5/3/2002
1,2-Diphenylhydrazine	< 0.90	ug/l	0.90	2.9	2		8270	qh	4/29/2002 / 5/3/2002
1,3-Dichlorobenzene	< 0.48	ug/l	0.48	1.5	2		8270	qh	4/29/2002 / 5/3/2002
1,3-Dinitrobenzene	< 0.56	ug/l	0.56	1.8	2		8270	qh	4/29/2002 / 5/3/2002
1,4-Dichlorobenzene	< 0.46	ug/l	0.46	1.5	2		8270	qh	4/29/2002 / 5/3/2002
1,4-Napthoquinone	< 0.50	ug/l	0.50	1.6	2		8270	qh	4/29/2002 / 5/3/2002
1-Methylnaphthalene	1.2	ug/l	0.60	1.9	2	J	8270	qh	4/29/2002 / 5/3/2002
2,3,4,6-Tetrachlorophenol	< 0.78	ug/l	0.78	2.5	2		8270	qh	4/29/2002 / 5/3/2002
2,4,5-Trichlorophenol	< 0.94	ug/l	0.94	3.0	2		8270	qh	4/29/2002 / 5/3/2002
2,4,6-Trichlorophenol	< 0.76	ug/l	0.76	2.4	2		8270	qh	4/29/2002 / 5/3/2002
2,4-Dichlorophenol	< 0.86	ug/l	0.86	2.7	2		8270	qh	4/29/2002 / 5/3/2002
2,4-Dimethylphenol	< 4.1	ug/l	4.1	13	2		8270	qh	4/29/2002 / 5/3/2002
2,4-Dinitrophenol	< 1.2	ug/l	1.2	3.8	2		8270	qh	4/29/2002 / 5/3/2002
2,4-Dinitrotoluene	< 0.90	ug/l	0.90	2.9	2		8270	qh	4/29/2002 / 5/3/2002
2,6-Dichlorophenol	< 0.94	ug/l	0.94	3.0	2		8270	qh	4/29/2002 / 5/3/2002
2,6-Dinitrotoluene	< 0.66	ug/l	0.66	2.1	2		8270	qh	4/29/2002 / 5/3/2002
2-Chloronaphthalene	< 0.86	ug/l	0.86	2.7	2		8270	qh	4/29/2002 / 5/3/2002
2-Chlorophenol	< 1.6	ug/l	1.6	5.0	2		8270	qh	4/29/2002 / 5/3/2002
2-Methyl-4,6-Dinitrophenol	< 1.1	ug/l	1.1	3.4	2		8270	qh	4/29/2002 / 5/3/2002
2-Methylnaphthalene	< 0.76	ug/l	0.76	2.4	2		8270	qh	4/29/2002 / 5/3/2002
2-Methylphenol	< 0.68	ug/l	0.68	2.2	2		8270	qh	4/29/2002 / 5/3/2002
2-Nitroaniline	< 0.64	ug/l	0.64	2.0	2		8270	qh	4/29/2002 / 5/3/2002
2-Nitrophenol	< 1.0	ug/l	1.0	3.3	2		8270	qh	4/29/2002 / 5/3/2002
3,3'-Dichlorobenzidine	< 1.3	ug/l	1.3	4.2	2		8270	qh	4/29/2002 / 5/3/2002
3,3'-Dimethylbenzidine	< 1.0	ug/l	1.0	3.2	2		8270	qh	4/29/2002 / 5/3/2002
3- + 4-Methylphenol	< 0.80	ug/l	0.80	2.5	2		8270	qh	4/29/2002 / 5/3/2002
3-Nitroaniline	< 0.92	ug/l	0.92	2.9	2		8270	qh	4/29/2002 / 5/3/2002
4-Bromophenyl phenyl ether	< 0.36	ug/l	0.36	1.1	2		8270	qh	4/29/2002 / 5/3/2002
4-Chloro-3-methyl phenol	< 6.7	ug/l	6.7	21	2		8270	qh	4/29/2002 / 5/3/2002
4-Chloroaniline	< 1.1	ug/l	1.1	3.4	2		8270	qh	4/29/2002 / 5/3/2002
4-Chlorophenyl phenyl ether	< 0.66	ug/l	0.66	2.1	2		8270	qh	4/29/2002 / 5/3/2002
4-Nitroaniline	< 0.78	ug/l	0.78	2.5	2		8270	qh	4/29/2002 / 5/3/2002
4-Nitrophenol	< 3.3	ug/l	3.3	10	2		8270	qh	4/29/2002 / 5/3/2002
Acenaphthene	< 0.56	ug/l	0.56	1.8	2		8270	qh	4/29/2002 / 5/3/2002
Acenaphthylene	< 0.62	ug/l	0.62	2.0	2		8270	qh	4/29/2002 / 5/3/2002
Analine	< 0.76	ug/l	0.76	2.4	2		8270	qh	4/29/2002 / 5/3/2002
Anthracene	< 0.62	ug/l	0.62	2.0	2		8270	qh	4/29/2002 / 5/3/2002
Benzidine	< 1.2	ug/l	1.2	3.9	2		8270	qh	4/29/2002 / 5/3/2002
Benzo (a) anthracene	< 1.1	ug/l	1.1	3.5	2		8270	qh	4/29/2002 / 5/3/2002

APL Environmental

222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

Project Name: Kreher Park
Project ID: MSA #212936 Quote # 200108002

Project Manager: Brian Hegge
Company: MSA
Address: 1835 N. Stevens St
City/State/Zip Rhinelander, WI
Phone: (715) 362-3244 **Fax:**

Samples received "On Ice" | Temperature: ____C | Sample intact/not leaking

A. HCl B. HNO3 C. NaOH D. H2SO4 E. Methanol F. Filtered G. None H. Others

100

Preservation / Filtration Code

Test Required	Matrix	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
15 VOC method 8260	GW	1	2	3															
14 SVOC method 8270		1	2																
13 8 metals-dissolved		1	2																
12 (arsenic, cadmium, chromium																			
11 copper, iron, lead, nickel																			
10 and zinc)	↓																		
09																			
08																			
07																			
06																			
05																			
04																			
03																			
02																			
01																			
Collection Time		11:01	11:01	X															
Collection Date		4/18/02	4/18/02	↓															
Sample ID		MW-5	Rinsate	Trip blank															
Lab ID		28171		28172															

COC# 20027

Additional Information:

Relinquished By:	Date/Time	Received By:
	4/18/02 3:30	

Special Instructions:

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20020233
DATE REPORTED: 25-Apr-02
DATE RECEIVED: 11-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: #212936
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Sample Number: 28024 Matrix: GW								Collection: 4/9/2002		Time: 15:31
Client ID: **MW-4**								Sample Description:		
Arsenic - Furnace AA	**6.8**	**ug/l**	*J* **RJ**	5.6	18	206.2	bb	4/12/2002	*1000350*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	bb	4/18/2002	*1000381*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	4/15/2002	*1000352*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	4/15/2002	*1000352*	
Iron - ICAP	**5.1**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	4/15/2002	*1000352*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	lu	4/16/2002	*1000371*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	ez	4/15/2002	*1000352*	
Zinc - ICAP	**0.03**	**mg/l**	*J* **RJ**	0.014	0.04	200.7	ez	4/15/2002	*1000352*	
Sample Number: 28025 Matrix: GW								Collection: 4/9/2002		Time: 16:08
Client ID: **MW-6**								Sample Description:		
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	bb	4/12/2002	*1000350*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	bb	4/18/2002	*1000381*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	4/15/2002	*1000352*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	4/15/2002	*1000352*	
Iron - ICAP	**22**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	4/15/2002	*1000352*	
Lead - Furnace AA	**1.7**	**ug/l**	*J* **RJ**	1.5	4.8	239.2	lu	4/16/2002	*1000371*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	ez	4/15/2002	*1000352*	
Zinc - ICAP	**0.02**	**mg/l**	*J* **RJ**	0.014	0.04	200.7	ez	4/15/2002	*1000352*	

Approved By: _____ **Date:** 4/25/02
James Chang, Ph.D., Lab Director

RJ *Result expressed as Total.*

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B "J" = Results between LOD and LOQ "#" = no LOD or LOQ required.
LOQ = 10 (S) x Dilution Facor, where "S" is the Standard Deviation from the MDL Study
LOD = 3.143 (S) x Dilution Facor, where "S" is the Standard Deviation from the MDL Study

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20020233**
DATE REPORTED: 25-Apr-02
DATE RECEIVED: 11-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: #212936
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Sample Number: 28021 Matrix: GW								Collection: 4/9/2002		Time: 13:37
Client ID: **MW-1**								Sample Description:		
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	bb	4/12/2002	*1000350*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	bb	4/18/2002	*1000381*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	4/15/2002	*1000352*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	4/15/2002	*1000352*	
Iron - ICAP	**51**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	4/15/2002	*1000352*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	lu	4/16/2002	*1000371*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	ez	4/15/2002	*1000352*	
Zinc - ICAP	**0.03**	**mg/l**	***J*** **RJ**	0.014	0.04	200.7	ez	4/15/2002	*1000352*	
Sample Number: 28022 Matrix: GW								Collection: 4/9/2002		Time: 11:20
Client ID: **MW-2**								Sample Description:		
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	bb	4/12/2002	*1000350*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	bb	4/18/2002	*1000381*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	4/15/2002	*1000352*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	4/15/2002	*1000352*	
Iron - ICAP	**70**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	4/15/2002	*1000352*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	lu	4/16/2002	*1000371*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	ez	4/15/2002	*1000352*	
Zinc - ICAP	**0.02**	**mg/l**	***J*** **RJ**	0.014	0.04	200.7	ez	4/15/2002	*1000352*	
Sample Number: 28023 Matrix: GW								Collection: 4/9/2002		Time: 14:29
Client ID: **MW-3**								Sample Description:		
Arsenic - Furnace AA	**7.2**	**ug/l**	***J*** **RJ**	5.6	18	206.2	bb	4/12/2002	*1000350*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	bb	4/18/2002	*1000381*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	4/15/2002	*1000352*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	4/15/2002	*1000352*	
Iron - ICAP	**22**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	4/15/2002	*1000352*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	lu	4/16/2002	*1000371*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	ez	4/15/2002	*1000352*	
Zinc - ICAP	**0.04**	**mg/l**	***J*** **RJ**	0.014	0.04	200.7	ez	4/15/2002	*1000352*	

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20020233**
DATE REPORTED:	17-Apr-02
DATE RECEIVED:	11-Apr-02
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	#212936
PROJECT NAME:	Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal

Approved By: _____ **Date:** 4.17.02
James Chang, Ph.D. , Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range .
LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
PAL: Preventive Action Limit, NR 140.10 Public health related groundwaier standards. "ns" = not specified
RQ : Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample
"O" = Significant peaks outside of the GRO or DRO retention time wiindows
Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

APL INC.
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Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020233**
DATE REPORTED: 17-Apr-02
DATE RECEIVED: 11-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: #212936
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	4/12/2002 / 4/12/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/12/2002 / 4/12/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/12/2002 / 4/12/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	4/12/2002 / 4/12/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	4/12/2002 / 4/12/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/12/2002 / 4/12/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	4/12/2002 / 4/12/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/12/2002 / 4/12/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/12/2002 / 4/12/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	4/12/2002 / 4/12/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	4/12/2002 / 4/12/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	4/12/2002 / 4/12/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/12/2002 / 4/12/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	4/12/2002 / 4/12/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	4/12/2002 / 4/12/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	4/12/2002 / 4/12/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/12/2002 / 4/12/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/12/2002 / 4/12/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	4/12/2002 / 4/12/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/12/2002 / 4/12/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	4/12/2002 / 4/12/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	4/12/2002 / 4/12/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/12/2002 / 4/12/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/12/2002 / 4/12/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	4/12/2002 / 4/12/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	4/12/2002 / 4/12/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	4/12/2002 / 4/12/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/12/2002 / 4/12/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/12/2002 / 4/12/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/12/2002 / 4/12/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/12/2002 / 4/12/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/12/2002 / 4/12/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/12/2002 / 4/12/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	4/12/2002 / 4/12/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/12/2002 / 4/12/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/12/2002 / 4/12/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/12/2002 / 4/12/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	4/12/2002 / 4/12/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	4/12/2002 / 4/12/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020233**
DATE REPORTED: 17-Apr-02
DATE RECEIVED: 11-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: #212936
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
n-Propylbenzene	<0.28	ug/l	0.28	0.89	1		8260	qh	4/12/2002 / 4/12/2002
Naphthalene	<0.75	ug/l	0.75	2.4	1		8260	qh	4/12/2002 / 4/12/2002
o-xylene	<0.25	ug/l	0.25	0.80	1		8260	qh	4/12/2002 / 4/12/2002
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	1		8260	qh	4/12/2002 / 4/12/2002
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/12/2002 / 4/12/2002
Styrene	<0.25	ug/l	0.25	0.80	1		8260	qh	4/12/2002 / 4/12/2002
tert-Butylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	4/12/2002 / 4/12/2002
Tetrachloroethene	<0.31	ug/l	0.31	0.99	1		8260	qh	4/12/2002 / 4/12/2002
Toluene	<0.29	ug/l	0.29	0.92	1		8260	qh	4/12/2002 / 4/12/2002
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.80	1		8260	qh	4/12/2002 / 4/12/2002
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	1		8260	qh	4/12/2002 / 4/12/2002
Trichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/12/2002 / 4/12/2002
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	1		8260	qh	4/12/2002 / 4/12/2002
Vinyl chloride	<0.20	ug/l	0.20	0.64	1		8260	qh	4/12/2002 / 4/12/2002

Sample Number: 28029 QC Prep Batch Number: 1000373 Collection: 4/9/2002 Time:
Client ID: Trip Blank Sample Description:

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.70	1		8260	qh	4/12/2002 / 4/12/2002
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	1		8260	qh	4/12/2002 / 4/12/2002
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	4/12/2002 / 4/12/2002
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	4/12/2002 / 4/12/2002
1,1-Dichloroethane	<0.32	ug/l	0.32	1.0	1		8260	qh	4/12/2002 / 4/12/2002
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/12/2002 / 4/12/2002
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1		8260	qh	4/12/2002 / 4/12/2002
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1		8260	qh	4/12/2002 / 4/12/2002
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1		8260	qh	4/12/2002 / 4/12/2002
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1		8260	qh	4/12/2002 / 4/12/2002
1,2,4-Trimethylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	4/12/2002 / 4/12/2002
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	1		8260	qh	4/12/2002 / 4/12/2002
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/12/2002 / 4/12/2002
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1		8260	qh	4/12/2002 / 4/12/2002
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1		8260	qh	4/12/2002 / 4/12/2002
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/12/2002 / 4/12/2002
1,3-Dichlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	qh	4/12/2002 / 4/12/2002
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	1		8260	qh	4/12/2002 / 4/12/2002
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	4/12/2002 / 4/12/2002
12Dibromo-3-chloropropan	<0.33	ug/l	0.33	1.0	1		8260	qh	4/12/2002 / 4/12/2002
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	1		8260	qh	4/12/2002 / 4/12/2002
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	1		8260	qh	4/12/2002 / 4/12/2002
2-Chloroethyl Vinyl Ether	<0.70	ug/l	0.70	2.2	1		8260	qh	4/12/2002 / 4/12/2002
2-Chlorotoluene	<0.30	ug/l	0.30	0.95	1		8260	qh	4/12/2002 / 4/12/2002
4-Chlorotoluene	<0.26	ug/l	0.26	0.83	1		8260	qh	4/12/2002 / 4/12/2002
4-Methyl-2-Pentanone	<0.80	ug/l	0.80	2.5	1		8260	qh	4/12/2002 / 4/12/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020233**
DATE REPORTED: 17-Apr-02
DATE RECEIVED: 11-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: #212936
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1		8260	qh	4/12/2002 / 4/12/2002
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1		8260	qh	4/12/2002 / 4/12/2002
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1		8260	qh	4/12/2002 / 4/12/2002
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1		8260	qh	4/12/2002 / 4/12/2002
1,2,4-Trimethylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	4/12/2002 / 4/12/2002
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	1		8260	qh	4/12/2002 / 4/12/2002
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/12/2002 / 4/12/2002
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1		8260	qh	4/12/2002 / 4/12/2002
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1		8260	qh	4/12/2002 / 4/12/2002
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/12/2002 / 4/12/2002
1,3-Dichlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	qh	4/12/2002 / 4/12/2002
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	1		8260	qh	4/12/2002 / 4/12/2002
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	4/12/2002 / 4/12/2002
12Dibromo-3-chloropropan	<0.33	ug/l	0.33	1.0	1		8260	qh	4/12/2002 / 4/12/2002
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	1		8260	qh	4/12/2002 / 4/12/2002
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	1		8260	qh	4/12/2002 / 4/12/2002
2-Chloroethyl Vinyl Ether	<0.70	ug/l	0.70	2.2	1		8260	qh	4/12/2002 / 4/12/2002
2-Chlorotoluene	<0.30	ug/l	0.30	0.95	1		8260	qh	4/12/2002 / 4/12/2002
4-Chlorotoluene	<0.26	ug/l	0.26	0.83	1		8260	qh	4/12/2002 / 4/12/2002
4-Methyl-2-Pentanone	<0.80	ug/l	0.80	2.5	1		8260	qh	4/12/2002 / 4/12/2002
Acetone	<1.6	ug/l	1.6	4.9	1		8260	qh	4/12/2002 / 4/12/2002
Benzene	<0.27	ug/l	0.27	0.86	1		8260	qh	4/12/2002 / 4/12/2002
Bromobenzene	<0.31	ug/l	0.31	0.99	1		8260	qh	4/12/2002 / 4/12/2002
Bromochloromethane	<0.37	ug/l	0.37	1.2	1		8260	qh	4/12/2002 / 4/12/2002
Bromodichloromethane	<0.38	ug/l	0.38	1.2	1		8260	qh	4/12/2002 / 4/12/2002
Bromoform	<0.39	ug/l	0.39	1.2	1		8260	qh	4/12/2002 / 4/12/2002
Bromomethane	<0.65	ug/l	0.65	2.1	1		8260	qh	4/12/2002 / 4/12/2002
Carbon tetrachloride	<0.27	ug/l	0.27	0.86	1		8260	qh	4/12/2002 / 4/12/2002
Chlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	qh	4/12/2002 / 4/12/2002
Chloroethane	<0.64	ug/l	0.64	2.0	1		8260	qh	4/12/2002 / 4/12/2002
Chloroform	<0.24	ug/l	0.24	0.76	1		8260	qh	4/12/2002 / 4/12/2002
Chloromethane	<0.49	ug/l	0.49	1.6	1		8260	qh	4/12/2002 / 4/12/2002
cis-1,2-Dichloroethene	<0.27	ug/l	0.27	0.86	1		8260	qh	4/12/2002 / 4/12/2002
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	1		8260	qh	4/12/2002 / 4/12/2002
Dibromochloromethane	<0.41	ug/l	0.41	1.3	1		8260	qh	4/12/2002 / 4/12/2002
Dibromomethane	<0.46	ug/l	0.46	1.5	1		8260	qh	4/12/2002 / 4/12/2002
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	1		8260	qh	4/12/2002 / 4/12/2002
Ethylbenzene	<0.25	ug/l	0.25	0.80	1		8260	qh	4/12/2002 / 4/12/2002
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	1		8260	qh	4/12/2002 / 4/12/2002
Isopropyl Ether	<0.30	ug/l	0.30	0.95	1		8260	qh	4/12/2002 / 4/12/2002
Isopropylbenzene	<0.33	ug/l	0.33	1.0	1		8260	qh	4/12/2002 / 4/12/2002
m&p-xylene	<0.53	ug/l	0.53	1.7	1		8260	qh	4/12/2002 / 4/12/2002
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1		8260	qh	4/12/2002 / 4/12/2002
Methylene chloride	<0.30	ug/l	0.30	0.95	1		8260	qh	4/12/2002 / 4/12/2002
n-Butylbenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	4/12/2002 / 4/12/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020233**
DATE REPORTED: 17-Apr-02
DATE RECEIVED: 11-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: #212936
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Bromoform	< 0.78	ug/l	0.78	2.5	2		8260	qh	4/12/2002 /
Bromomethane	< 1.3	ug/l	1.3	4.1	2		8260	qh	4/12/2002 /
Carbon tetrachloride	< 0.54	ug/l	0.54	1.7	2		8260	qh	4/12/2002 /
Chlorobenzene	< 0.52	ug/l	0.52	1.7	2		8260	qh	4/12/2002 /
Chloroethane	< 1.3	ug/l	1.3	4.1	2		8260	qh	4/12/2002 /
Chloroform	< 0.48	ug/l	0.48	1.5	2		8260	qh	4/12/2002 /
Chloromethane	< 0.98	ug/l	0.98	3.1	2		8260	qh	4/12/2002 /
cis-1,2-Dichloroethene	< 0.54	ug/l	0.54	1.7	2		8260	qh	4/12/2002 /
cis-1,3-Dichloropropene	< 0.74	ug/l	0.74	2.4	2		8260	qh	4/12/2002 /
Dibromochloromethane	< 0.82	ug/l	0.82	2.6	2		8260	qh	4/12/2002 /
Dibromomethane	< 0.92	ug/l	0.92	2.9	2		8260	qh	4/12/2002 /
Dichlorodifluoromethane	< 0.54	ug/l	0.54	1.7	2		8260	qh	4/12/2002 /
Ethylbenzene	< 0.50	ug/l	0.50	1.6	2		8260	qh	4/12/2002 /
Hexachlorobutadiene	< 0.84	ug/l	0.84	2.7	2		8260	qh	4/12/2002 /
Isopropyl Ether	< 0.60	ug/l	0.60	1.9	2		8260	qh	4/12/2002 /
Isopropylbenzene	< 0.66	ug/l	0.66	2.1	2		8260	qh	4/12/2002 /
m&p-xylene	< 1.1	ug/l	1.1	3.4	2		8260	qh	4/12/2002 /
Methyl-t-butyl ether	< 0.78	ug/l	0.78	2.5	2		8260	qh	4/12/2002 /
Methylene chloride	< 0.60	ug/l	0.60	1.9	2		8260	qh	4/12/2002 /
n-Butylbenzene	< 0.72	ug/l	0.72	2.3	2		8260	qh	4/12/2002 /
n-Propylbenzene	< 0.56	ug/l	0.56	1.8	2		8260	qh	4/12/2002 /
Naphthalene	< 1.5	ug/l	1.5	4.8	2		8260	qh	4/12/2002 /
o-xylene	< 0.50	ug/l	0.50	1.6	2		8260	qh	4/12/2002 /
p-Isopropyltoluene	161	ug/l	0.62	2.0	2		8260	qh	4/12/2002 /
sec-Butylbenzene	< 0.68	ug/l	0.68	2.2	2		8260	qh	4/12/2002 /
Styrene	< 0.50	ug/l	0.50	1.6	2		8260	qh	4/12/2002 /
tert-Butylbenzene	< 0.60	ug/l	0.60	1.9	2		8260	qh	4/12/2002 /
Tetrachloroethene	< 0.62	ug/l	0.62	2.0	2		8260	qh	4/12/2002 /
Toluene	1.9	ug/l	0.58	1.8	2		8260	qh	4/12/2002 /
trans-1,2-Dichloroethene	< 0.50	ug/l	0.50	1.6	2		8260	qh	4/12/2002 /
trans-1,3-Dichloropropene	< 0.52	ug/l	0.52	1.7	2		8260	qh	4/12/2002 /
Trichloroethene	< 0.68	ug/l	0.68	2.2	2		8260	qh	4/12/2002 /
Trichlorofluoromethane	< 0.48	ug/l	0.48	1.5	2		8260	qh	4/12/2002 /
Vinyl chloride	< 0.40	ug/l	0.40	1.3	2		8260	qh	4/12/2002 /

Sample Number: 28028 QC Prep Batch Number: 1000373 Collection: 4/9/2002 Time: 15:56
Client ID: Field Blank Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	4/12/2002 / 4/12/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/12/2002 / 4/12/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	4/12/2002 / 4/12/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	4/12/2002 / 4/12/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	4/12/2002 / 4/12/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/12/2002 / 4/12/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020233**
DATE REPORTED: 17-Apr-02
DATE RECEIVED: 11-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: #212936
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Styrene	<0.25	ug/l	0.25	0.80	1		8260	qh	4/12/2002 /
tert-Butylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	4/12/2002 /
Tetrachloroethene	<0.31	ug/l	0.31	0.99	1		8260	qh	4/12/2002 /
Toluene	<0.29	ug/l	0.29	0.92	1		8260	qh	4/12/2002 /
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.80	1		8260	qh	4/12/2002 /
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	1		8260	qh	4/12/2002 /
Trichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/12/2002 /
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	1		8260	qh	4/12/2002 /
Vinyl chloride	<0.20	ug/l	0.20	0.64	1		8260	qh	4/12/2002 /

Sample Number: 28025 QC Prep Batch Number: 1000373 Collection: 4/9/2002 Time: 16:08
Client ID: MW-6 Sample Description:

1,1,1,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	2		8260	qh	4/12/2002 /
1,1,1-Trichloroethane	<0.62	ug/l	0.62	2.0	2		8260	qh	4/12/2002 /
1,1,2,2-Tetrachloroethane	<0.88	ug/l	0.88	2.8	2		8260	qh	4/12/2002 /
1,1,2-Trichloroethane	<0.88	ug/l	0.88	2.8	2		8260	qh	4/12/2002 /
1,1-Dichloroethane	<0.64	ug/l	0.64	2.0	2		8260	qh	4/12/2002 /
1,1-Dichloroethene	<0.68	ug/l	0.68	2.2	2		8260	qh	4/12/2002 /
1,1-Dichloropropene	<0.86	ug/l	0.86	2.7	2		8260	qh	4/12/2002 /
1,2,3-Trichlorobenzene	<1.0	ug/l	1.0	3.2	2		8260	qh	4/12/2002 /
1,2,3-Trichloropropane	<1.0	ug/l	1.0	3.2	2		8260	qh	4/12/2002 /
1,2,4-Trichlorobenzene	<0.94	ug/l	0.94	3.0	2		8260	qh	4/12/2002 /
1,2,4-Trimethylbenzene	<0.60	ug/l	0.60	1.9	2		8260	qh	4/12/2002 /
1,2-Dibromoethane	<0.92	ug/l	0.92	2.9	2		8260	qh	4/12/2002 /
1,2-Dichlorobenzene	<0.68	ug/l	0.68	2.2	2		8260	qh	4/12/2002 /
1,2-Dichloroethane	<0.70	ug/l	0.70	2.2	2		8260	qh	4/12/2002 /
1,2-Dichloropropane	<0.64	ug/l	0.64	2.0	2		8260	qh	4/12/2002 /
1,3,5-Trimethylbenzene	<0.68	ug/l	0.68	2.2	2		8260	qh	4/12/2002 /
1,3-Dichlorobenzene	<0.52	ug/l	0.52	1.7	2		8260	qh	4/12/2002 /
1,3-Dichloropropane	<0.78	ug/l	0.78	2.5	2		8260	qh	4/12/2002 /
1,4-Dichlorobenzene	<0.72	ug/l	0.72	2.3	2		8260	qh	4/12/2002 /
12Dibromo-3-chloropropan	<0.66	ug/l	0.66	2.1	2		8260	qh	4/12/2002 /
2,2-Dichloropropane	<0.54	ug/l	0.54	1.7	2		8260	qh	4/12/2002 /
2-Butanone (MEK)	<2.8	ug/l	2.8	8.8	2		8260	qh	4/12/2002 /
2-Chloroethyl Vinyl Ether	<1.4	ug/l	1.4	4.5	2		8260	qh	4/12/2002 /
2-Chlorotoluene	<0.60	ug/l	0.60	1.9	2		8260	qh	4/12/2002 /
4-Chlorotoluene	<0.52	ug/l	0.52	1.7	2		8260	qh	4/12/2002 /
4-Methyl-2-Pentanone	<1.6	ug/l	1.6	5.1	2		8260	qh	4/12/2002 /
Acetone	<3.1	ug/l	3.1	9.9	2		8260	qh	4/12/2002 /
Benzene	<0.54	ug/l	0.54	1.7	2		8260	qh	4/12/2002 /
Bromobenzene	<0.62	ug/l	0.62	2.0	2		8260	qh	4/12/2002 /
Bromochloromethane	<0.74	ug/l	0.74	2.4	2		8260	qh	4/12/2002 /
Bromodichloromethane	<0.76	ug/l	0.76	2.4	2		8260	qh	4/12/2002 /

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020233**
DATE REPORTED: 17-Apr-02
DATE RECEIVED: 11-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: #212936
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	4/12/2002 /
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/12/2002 /
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	4/12/2002 /
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	4/12/2002 /
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/12/2002 /
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/12/2002 /
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/12/2002 /
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	4/12/2002 /
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	4/12/2002 /
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/12/2002 /
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	4/12/2002 /
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	4/12/2002 /
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/12/2002 /
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/12/2002 /
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	4/12/2002 /
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	4/12/2002 /
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/12/2002 /
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/12/2002 /
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	4/12/2002 /
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	4/12/2002 /
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/12/2002 /
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	4/12/2002 /
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/12/2002 /
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/12/2002 /
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	4/12/2002 /
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	4/12/2002 /
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	4/12/2002 /
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/12/2002 /
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	4/12/2002 /
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	4/12/2002 /
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	4/12/2002 /
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/12/2002 /
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/12/2002 /
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	4/12/2002 /
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/12/2002 /
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	4/12/2002 /
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	4/12/2002 /
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/12/2002 /
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/12/2002 /
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	4/12/2002 /
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	4/12/2002 /
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	4/12/2002 /
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/12/2002 /
p-Isopropyltoluene	6.6	ug/l	0.31	0.99	1		8260	qh	4/12/2002 /
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/12/2002 /

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020233**
DATE REPORTED: 17-Apr-02
DATE RECEIVED: 11-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: #212936
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Chloroform	<0.24	ug/l	0.24	0.76	1		8260	qh	4/12/2002 / 4/12/2002
Chloromethane	<0.49	ug/l	0.49	1.6	1		8260	qh	4/12/2002 / 4/12/2002
cis-1,2-Dichloroethene	<0.27	ug/l	0.27	0.86	1		8260	qh	4/12/2002 / 4/12/2002
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	1		8260	qh	4/12/2002 / 4/12/2002
Dibromochloromethane	<0.41	ug/l	0.41	1.3	1		8260	qh	4/12/2002 / 4/12/2002
Dibromomethane	<0.46	ug/l	0.46	1.5	1		8260	qh	4/12/2002 / 4/12/2002
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	1		8260	qh	4/12/2002 / 4/12/2002
Ethylbenzene	0.28	ug/l	0.25	0.80	1	J	8260	qh	4/12/2002 / 4/12/2002
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	1		8260	qh	4/12/2002 / 4/12/2002
Isopropyl Ether	<0.30	ug/l	0.30	0.95	1		8260	qh	4/12/2002 / 4/12/2002
Isopropylbenzene	<0.33	ug/l	0.33	1.0	1		8260	qh	4/12/2002 / 4/12/2002
m&p-xylene	0.68	ug/l	0.53	1.7	1	J	8260	qh	4/12/2002 / 4/12/2002
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1		8260	qh	4/12/2002 / 4/12/2002
Methylene chloride	<0.30	ug/l	0.30	0.95	1		8260	qh	4/12/2002 / 4/12/2002
n-Butylbenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	4/12/2002 / 4/12/2002
n-Propylbenzene	<0.28	ug/l	0.28	0.89	1		8260	qh	4/12/2002 / 4/12/2002
Naphthalene	<0.75	ug/l	0.75	2.4	1		8260	qh	4/12/2002 / 4/12/2002
o-xylene	0.53	ug/l	0.25	0.80	1	J	8260	qh	4/12/2002 / 4/12/2002
p-Isopropyltoluene	31	ug/l	0.31	0.99	1		8260	qh	4/12/2002 / 4/12/2002
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/12/2002 / 4/12/2002
Styrene	<0.25	ug/l	0.25	0.80	1		8260	qh	4/12/2002 / 4/12/2002
tert-Butylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	4/12/2002 / 4/12/2002
Tetrachloroethene	<0.31	ug/l	0.31	0.99	1		8260	qh	4/12/2002 / 4/12/2002
Toluene	0.46	ug/l	0.29	0.92	1	J	8260	qh	4/12/2002 / 4/12/2002
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.80	1		8260	qh	4/12/2002 / 4/12/2002
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	1		8260	qh	4/12/2002 / 4/12/2002
Trichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/12/2002 / 4/12/2002
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	1		8260	qh	4/12/2002 / 4/12/2002
Vinyl chloride	<0.20	ug/l	0.20	0.64	1		8260	qh	4/12/2002 / 4/12/2002

Sample Number: 28024 QC Prep Batch Number: 1000373 Collection: 4/9/2002 Time: 15:31
Client ID: MW-4 Sample Description:

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.70	1		8260	qh	4/12/2002 /
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	1		8260	qh	4/12/2002 /
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	4/12/2002 /
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	4/12/2002 /
1,1-Dichloroethane	<0.32	ug/l	0.32	1.0	1		8260	qh	4/12/2002 /
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/12/2002 /
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1		8260	qh	4/12/2002 /
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1		8260	qh	4/12/2002 /
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1		8260	qh	4/12/2002 /
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1		8260	qh	4/12/2002 /
1,2,4-Trimethylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	4/12/2002 /

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020233**
DATE REPORTED: 17-Apr-02
DATE RECEIVED: 11-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: #212936
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	1		8260	qh	4/12/2002 / 4/12/2002
Trichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/12/2002 / 4/12/2002
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	1		8260	qh	4/12/2002 / 4/12/2002
Vinyl chloride	<0.20	ug/l	0.20	0.64	1		8260	qh	4/12/2002 / 4/12/2002

Sample Number: 28023 QC Prep Batch Number: 1000373 Collection: 4/9/2002 Time: 14:29
Client ID: MW-3 Sample Description:

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.70	1		8260	qh	4/12/2002 / 4/12/2002
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	1		8260	qh	4/12/2002 / 4/12/2002
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	4/12/2002 / 4/12/2002
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	4/12/2002 / 4/12/2002
1,1-Dichloroethane	<0.32	ug/l	0.32	1.0	1		8260	qh	4/12/2002 / 4/12/2002
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/12/2002 / 4/12/2002
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1		8260	qh	4/12/2002 / 4/12/2002
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1		8260	qh	4/12/2002 / 4/12/2002
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1		8260	qh	4/12/2002 / 4/12/2002
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1		8260	qh	4/12/2002 / 4/12/2002
1,2,4-Trimethylbenzene	0.60	ug/l	0.30	0.95	1	J	8260	qh	4/12/2002 / 4/12/2002
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	1		8260	qh	4/12/2002 / 4/12/2002
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/12/2002 / 4/12/2002
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1		8260	qh	4/12/2002 / 4/12/2002
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1		8260	qh	4/12/2002 / 4/12/2002
1,3,5-Trimethylbenzene	0.35	ug/l	0.34	1.1	1	J	8260	qh	4/12/2002 / 4/12/2002
1,3-Dichlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	qh	4/12/2002 / 4/12/2002
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	1		8260	qh	4/12/2002 / 4/12/2002
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	4/12/2002 / 4/12/2002
12Dibromo-3-chloropropan	<0.33	ug/l	0.33	1.0	1		8260	qh	4/12/2002 / 4/12/2002
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	1		8260	qh	4/12/2002 / 4/12/2002
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	1		8260	qh	4/12/2002 / 4/12/2002
2-Chloroethyl Vinyl Ether	<0.70	ug/l	0.70	2.2	1		8260	qh	4/12/2002 / 4/12/2002
2-Chlorotoluene	<0.30	ug/l	0.30	0.95	1		8260	qh	4/12/2002 / 4/12/2002
4-Chlorotoluene	<0.26	ug/l	0.26	0.83	1		8260	qh	4/12/2002 / 4/12/2002
4-Methyl-2-Pentanone	<0.80	ug/l	0.80	2.5	1		8260	qh	4/12/2002 / 4/12/2002
Acetone	<1.6	ug/l	1.6	4.9	1		8260	qh	4/12/2002 / 4/12/2002
Benzene	<0.27	ug/l	0.27	0.86	1		8260	qh	4/12/2002 / 4/12/2002
Bromobenzene	<0.31	ug/l	0.31	0.99	1		8260	qh	4/12/2002 / 4/12/2002
Bromochloromethane	<0.37	ug/l	0.37	1.2	1		8260	qh	4/12/2002 / 4/12/2002
Bromodichloromethane	<0.38	ug/l	0.38	1.2	1		8260	qh	4/12/2002 / 4/12/2002
Bromoform	<0.39	ug/l	0.39	1.2	1		8260	qh	4/12/2002 / 4/12/2002
Bromomethane	<0.65	ug/l	0.65	2.1	1		8260	qh	4/12/2002 / 4/12/2002
Carbon tetrachloride	<0.27	ug/l	0.27	0.86	1		8260	qh	4/12/2002 / 4/12/2002
Chlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	qh	4/12/2002 / 4/12/2002
Chloroethane	<0.64	ug/l	0.64	2.0	1		8260	qh	4/12/2002 / 4/12/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020233**
DATE REPORTED: 17-Apr-02
DATE RECEIVED: 11-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: #212936
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/12/2002 / 4/12/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/12/2002 / 4/12/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	4/12/2002 / 4/12/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	4/12/2002 / 4/12/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/12/2002 / 4/12/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	4/12/2002 / 4/12/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	4/12/2002 / 4/12/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/12/2002 / 4/12/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/12/2002 / 4/12/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	4/12/2002 / 4/12/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	4/12/2002 / 4/12/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/12/2002 / 4/12/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/12/2002 / 4/12/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	4/12/2002 / 4/12/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	4/12/2002 / 4/12/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/12/2002 / 4/12/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	4/12/2002 / 4/12/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/12/2002 / 4/12/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/12/2002 / 4/12/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	4/12/2002 / 4/12/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	4/12/2002 / 4/12/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	4/12/2002 / 4/12/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/12/2002 / 4/12/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	4/12/2002 / 4/12/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	4/12/2002 / 4/12/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	4/12/2002 / 4/12/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/12/2002 / 4/12/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/12/2002 / 4/12/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	4/12/2002 / 4/12/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/12/2002 / 4/12/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	4/12/2002 / 4/12/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	4/12/2002 / 4/12/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/12/2002 / 4/12/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/12/2002 / 4/12/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	4/12/2002 / 4/12/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	4/12/2002 / 4/12/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	4/12/2002 / 4/12/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/12/2002 / 4/12/2002
p-Isopropyltoluene	8.2	ug/l	0.31	0.99	1		8260	qh	4/12/2002 / 4/12/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/12/2002 / 4/12/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/12/2002 / 4/12/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/12/2002 / 4/12/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/12/2002 / 4/12/2002
Toluene	0.48	ug/l	0.29	0.92	1	J	8260	qh	4/12/2002 / 4/12/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/12/2002 / 4/12/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020233**
DATE REPORTED: 17-Apr-02
DATE RECEIVED: 11-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: #212936
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Dibromomethane	<0.46	ug/l	0.46	1.5	1		8260	qh	4/12/2002 / 4/12/2002
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	1		8260	qh	4/12/2002 / 4/12/2002
Ethylbenzene	<0.25	ug/l	0.25	0.80	1		8260	qh	4/12/2002 / 4/12/2002
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	1		8260	qh	4/12/2002 / 4/12/2002
Isopropyl Ether	<0.30	ug/l	0.30	0.95	1		8260	qh	4/12/2002 / 4/12/2002
Isopropylbenzene	<0.33	ug/l	0.33	1.0	1		8260	qh	4/12/2002 / 4/12/2002
m&p-xylene	<0.53	ug/l	0.53	1.7	1		8260	qh	4/12/2002 / 4/12/2002
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1		8260	qh	4/12/2002 / 4/12/2002
Methylene chloride	<0.30	ug/l	0.30	0.95	1		8260	qh	4/12/2002 / 4/12/2002
n-Butylbenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	4/12/2002 / 4/12/2002
n-Propylbenzene	<0.28	ug/l	0.28	0.89	1		8260	qh	4/12/2002 / 4/12/2002
Naphthalene	<0.75	ug/l	0.75	2.4	1		8260	qh	4/12/2002 / 4/12/2002
o-xylene	<0.25	ug/l	0.25	0.80	1		8260	qh	4/12/2002 / 4/12/2002
p-Isopropyltoluene	99	ug/l	0.31	0.99	1		8260	qh	4/12/2002 / 4/12/2002
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/12/2002 / 4/12/2002
Styrene	<0.25	ug/l	0.25	0.80	1		8260	qh	4/12/2002 / 4/12/2002
tert-Butylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	4/12/2002 / 4/12/2002
Tetrachloroethene	<0.31	ug/l	0.31	0.99	1		8260	qh	4/12/2002 / 4/12/2002
Toluene	5.0	ug/l	0.29	0.92	1		8260	qh	4/12/2002 / 4/12/2002
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.80	1		8260	qh	4/12/2002 / 4/12/2002
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	1		8260	qh	4/12/2002 / 4/12/2002
Trichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/12/2002 / 4/12/2002
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	1		8260	qh	4/12/2002 / 4/12/2002
Vinyl chloride	<0.20	ug/l	0.20	0.64	1		8260	qh	4/12/2002 / 4/12/2002

Sample Number: 28022 QC Prep Batch Number: 1000373 Collection: 4/9/2002 Time: 11:20
Client ID: MW-2 Sample Description:

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.70	1		8260	qh	4/12/2002 / 4/12/2002
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	1		8260	qh	4/12/2002 / 4/12/2002
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	4/12/2002 / 4/12/2002
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	4/12/2002 / 4/12/2002
1,1-Dichloroethane	<0.32	ug/l	0.32	1.0	1		8260	qh	4/12/2002 / 4/12/2002
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/12/2002 / 4/12/2002
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1		8260	qh	4/12/2002 / 4/12/2002
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1		8260	qh	4/12/2002 / 4/12/2002
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1		8260	qh	4/12/2002 / 4/12/2002
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1		8260	qh	4/12/2002 / 4/12/2002
1,2,4-Trimethylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	4/12/2002 / 4/12/2002
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	1		8260	qh	4/12/2002 / 4/12/2002
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/12/2002 / 4/12/2002
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1		8260	qh	4/12/2002 / 4/12/2002
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1		8260	qh	4/12/2002 / 4/12/2002
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/12/2002 / 4/12/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020233**
DATE REPORTED: 17-Apr-02
DATE RECEIVED: 11-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: #212936
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Sample Number: 28021 — QC Prep Batch Number: 1000373 — Collection: 4/9/2002 — Time: 13:37
Client ID: MW-1 — Sample Description:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.70	1		8260	qh	4/12/2002 / 4/12/2002
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	1		8260	qh	4/12/2002 / 4/12/2002
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	4/12/2002 / 4/12/2002
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	4/12/2002 / 4/12/2002
1,1-Dichloroethane	<0.32	ug/l	0.32	1.0	1		8260	qh	4/12/2002 / 4/12/2002
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/12/2002 / 4/12/2002
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1		8260	qh	4/12/2002 / 4/12/2002
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1		8260	qh	4/12/2002 / 4/12/2002
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1		8260	qh	4/12/2002 / 4/12/2002
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1		8260	qh	4/12/2002 / 4/12/2002
1,2,4-Trimethylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	4/12/2002 / 4/12/2002
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	1		8260	qh	4/12/2002 / 4/12/2002
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/12/2002 / 4/12/2002
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1		8260	qh	4/12/2002 / 4/12/2002
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1		8260	qh	4/12/2002 / 4/12/2002
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/12/2002 / 4/12/2002
1,3-Dichlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	qh	4/12/2002 / 4/12/2002
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	1		8260	qh	4/12/2002 / 4/12/2002
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	4/12/2002 / 4/12/2002
12Dibromo-3-chloropropan	<0.33	ug/l	0.33	1.0	1		8260	qh	4/12/2002 / 4/12/2002
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	1		8260	qh	4/12/2002 / 4/12/2002
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	1		8260	qh	4/12/2002 / 4/12/2002
2-Chloroethyl Vinyl Ether	<0.70	ug/l	0.70	2.2	1		8260	qh	4/12/2002 / 4/12/2002
2-Chlorotoluene	<0.30	ug/l	0.30	0.95	1		8260	qh	4/12/2002 / 4/12/2002
4-Chlorotoluene	<0.26	ug/l	0.26	0.83	1		8260	qh	4/12/2002 / 4/12/2002
4-Methyl-2-Pentanone	<0.80	ug/l	0.80	2.5	1		8260	qh	4/12/2002 / 4/12/2002
Acetone	<1.6	ug/l	1.6	4.9	1		8260	qh	4/12/2002 / 4/12/2002
Benzene	<0.27	ug/l	0.27	0.86	1		8260	qh	4/12/2002 / 4/12/2002
Bromobenzene	<0.31	ug/l	0.31	0.99	1		8260	qh	4/12/2002 / 4/12/2002
Bromochloromethane	<0.37	ug/l	0.37	1.2	1		8260	qh	4/12/2002 / 4/12/2002
Bromodichloromethane	<0.38	ug/l	0.38	1.2	1		8260	qh	4/12/2002 / 4/12/2002
Bromoform	<0.39	ug/l	0.39	1.2	1		8260	qh	4/12/2002 / 4/12/2002
Bromomethane	<0.65	ug/l	0.65	2.1	1		8260	qh	4/12/2002 / 4/12/2002
Carbon tetrachloride	<0.27	ug/l	0.27	0.86	1		8260	qh	4/12/2002 / 4/12/2002
Chlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	qh	4/12/2002 / 4/12/2002
Chloroethane	<0.64	ug/l	0.64	2.0	1		8260	qh	4/12/2002 / 4/12/2002
Chloroform	<0.24	ug/l	0.24	0.76	1		8260	qh	4/12/2002 / 4/12/2002
Chloromethane	<0.49	ug/l	0.49	1.6	1		8260	qh	4/12/2002 / 4/12/2002
cis-1,2-Dichloroethene	<0.27	ug/l	0.27	0.86	1		8260	qh	4/12/2002 / 4/12/2002
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	1		8260	qh	4/12/2002 / 4/12/2002
Dibromochloromethane	<0.41	ug/l	0.41	1.3	1		8260	qh	4/12/2002 / 4/12/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20020233**
DATE REPORTED:	25-Apr-02
DATE RECEIVED:	11-Apr-02
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	#212936
PROJECT NAME:	Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Pentachloroethane	< 0.68	**ug/l**	0.68	2.2	4		8270	qh	4/22/2002 / 4/22/2002
Pentachlorophenol	348	**ug/l**	3.0	9.7	4		8270	qh	4/22/2002 / 4/22/2002
Phenanthrene	< 1.3	**ug/l**	1.3	4.1	4		8270	qh	4/22/2002 / 4/22/2002
Phenol	399	**ug/l**	1.6	5.1	4		8270	qh	4/22/2002 / 4/22/2002
Pyrene	253	**ug/l**	2.0	6.4	4		8270	qh	4/22/2002 / 4/22/2002
Pyridine	< 1.4	**ug/l**	1.4	4.6	4		8270	qh	4/22/2002 / 4/22/2002

Approved By: _____ **Date:** 4/25/02
James Chang, Ph.D. , Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range .
LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
RQ : Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample
"O" = Significant peaks outside of the GRO or DRO retention time wiindows
Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020233**
DATE REPORTED: 25-Apr-02
DATE RECEIVED: 11-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: #212936
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Acenaphthene	164	ug/l	1.1	3.6	4		8270	qh	4/22/2002 / 4/22/2002
Acenaphthylene	< 1.2	ug/l	1.2	3.9	4		8270	qh	4/22/2002 / 4/22/2002
Analine	< 1.5	ug/l	1.5	4.8	4		8270	qh	4/22/2002 / 4/22/2002
Anthracene	< 1.2	ug/l	1.2	3.9	4		8270	qh	4/22/2002 / 4/22/2002
Benzidine	< 2.4	ug/l	2.4	7.8	4		8270	qh	4/22/2002 / 4/22/2002
Benzo (a) anthracene	< 2.2	ug/l	2.2	7.0	4		8270	qh	4/22/2002 / 4/22/2002
Benzo (a) pyrene	< 0.76	ug/l	0.76	2.4	4		8270	qh	4/22/2002 / 4/22/2002
Benzo (b) fluoranthene	< 1.5	ug/l	1.5	4.7	4		8270	qh	4/22/2002 / 4/22/2002
Benzo (g,h,i) perylene	< 0.76	ug/l	0.76	2.4	4		8270	qh	4/22/2002 / 4/22/2002
Benzo (k) fluoranthene	< 1.1	ug/l	1.1	3.6	4		8270	qh	4/22/2002 / 4/22/2002
Benzyl alcohol	< 2.8	ug/l	2.8	8.9	4		8270	qh	4/22/2002 / 4/22/2002
Bis (2-chloroethoxy)methane	< 1.1	ug/l	1.1	3.6	4		8270	qh	4/22/2002 / 4/22/2002
Bis (2-chloroethyl) ether	< 1.8	ug/l	1.8	5.7	4		8270	qh	4/22/2002 / 4/22/2002
Bis (2-chloroisopropyl) ether	< 0.96	ug/l	0.96	3.1	4		8270	qh	4/22/2002 / 4/22/2002
Bis (2-ethylhexyl) phthalate	< 2.6	ug/l	2.6	8.3	4		8270	qh	4/22/2002 / 4/22/2002
Butyl benzyl phthalate	< 2.1	ug/l	2.1	6.7	4		8270	qh	4/22/2002 / 4/22/2002
Chrysene	< 2.1	ug/l	2.1	6.7	4		8270	qh	4/22/2002 / 4/22/2002
Di-n-butylphthalate	< 1.1	ug/l	1.1	3.6	4		8270	qh	4/22/2002 / 4/22/2002
Di-n-octylphthalate	< 1.1	ug/l	1.1	3.6	4		8270	qh	4/22/2002 / 4/22/2002
Dibenz (a,h) anthracene	< 0.76	ug/l	0.76	2.4	4		8270	qh	4/22/2002 / 4/22/2002
Dibenzofuran	< 1.2	ug/l	1.2	3.9	4		8270	qh	4/22/2002 / 4/22/2002
Diethylphthalate	< 1.2	ug/l	1.2	3.9	4		8270	qh	4/22/2002 / 4/22/2002
Dimethylphthalate	< 1.2	ug/l	1.2	3.8	4		8270	qh	4/22/2002 / 4/22/2002
Fluoranthene	< 1.8	ug/l	1.8	5.6	4		8270	qh	4/22/2002 / 4/22/2002
Fluorene	< 0.76	ug/l	0.76	2.4	4		8270	qh	4/22/2002 / 4/22/2002
Hexachlorobenzene	< 0.84	ug/l	0.84	2.7	4		8270	qh	4/22/2002 / 4/22/2002
Hexachlorobutadiene	< 0.60	ug/l	0.60	1.9	4		8270	qh	4/22/2002 / 4/22/2002
Hexachlorocyclopentadiene	< 2.4	ug/l	2.4	7.6	4		8270	qh	4/22/2002 / 4/22/2002
Hexachloroethane	< 0.80	ug/l	0.80	2.5	4		8270	qh	4/22/2002 / 4/22/2002
Hexachloropropylene	< 1.2	ug/l	1.2	3.7	4		8270	qh	4/22/2002 / 4/22/2002
Indeno (1,2,3-cd)pyrene	< 2.1	ug/l	2.1	6.7	4		8270	qh	4/22/2002 / 4/22/2002
Isophorone	< 1.1	ug/l	1.1	3.4	4		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosodibutylamine	< 0.96	ug/l	0.96	3.1	4		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosodiethylamine	< 0.32	ug/l	0.32	1.0	4		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosodimethylamine	< 3.2	ug/l	3.2	10	4		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosodiphenylamine	< 0.72	ug/l	0.72	2.3	4		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosodipropylamine	213	ug/l	0.92	2.9	4		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosomethylethylamine	< 4.6	ug/l	4.6	15	4		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosomorpholine	< 1.2	ug/l	1.2	3.9	4		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosopiperidine	< 0.88	ug/l	0.88	2.8	4		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosopyrrolidine	< 1.2	ug/l	1.2	3.7	4		8270	qh	4/22/2002 / 4/22/2002
Naphthalene	< 1.3	ug/l	1.3	4.1	4		8270	qh	4/22/2002 / 4/22/2002
Nitrobenzene	< 1.4	ug/l	1.4	4.3	4		8270	qh	4/22/2002 / 4/22/2002
o-Toluidine	< 0.84	ug/l	0.84	2.7	4		8270	qh	4/22/2002 / 4/22/2002
Pentachlorobenzene	< 0.68	ug/l	0.68	2.2	4		8270	qh	4/22/2002 / 4/22/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020233**
DATE REPORTED: 25-Apr-02
DATE RECEIVED: 11-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: #212936
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Pentachlorophenol	378	ug/l	3.0	9.7	4		8270	qh	4/22/2002 / 4/22/2002
Phenanthrene	< 1.3	ug/l	1.3	4.1	4		8270	qh	4/22/2002 / 4/22/2002
Phenol	442	ug/l	1.6	5.1	4		8270	qh	4/22/2002 / 4/22/2002
Pyrene	313	ug/l	2.0	6.4	4		8270	qh	4/22/2002 / 4/22/2002
Pyridine	< 1.4	ug/l	1.4	4.6	4		8270	qh	4/22/2002 / 4/22/2002

Sample Number: 28027 QC Prep Batch Number: 1000458 Collection: 4/9/2002 Time: 16:08
Client ID: MW-6 MSD Sample Description:

1,2,4,5-Tetrachlorobenzene	< 1.5	ug/l	1.5	4.8	4		8270	qh	4/22/2002 / 4/22/2002
1,2,4-Trichlorobenzene	153	ug/l	1.6	5.2	4		8270	qh	4/22/2002 / 4/22/2002
1,2-Dichlorobenzene	< 1.1	ug/l	1.1	3.6	4		8270	qh	4/22/2002 / 4/22/2002
1,2-Diphenylhydrazine	< 1.8	ug/l	1.8	5.7	4		8270	qh	4/22/2002 / 4/22/2002
1,3-Dichlorobenzene	< 0.96	ug/l	0.96	3.1	4		8270	qh	4/22/2002 / 4/22/2002
1,3-Dinitrobenzene	< 1.1	ug/l	1.1	3.6	4		8270	qh	4/22/2002 / 4/22/2002
1,4-Dichlorobenzene	176	ug/l	0.92	2.9	4		8270	qh	4/22/2002 / 4/22/2002
1,4-Napthoquinone	< 1.0	ug/l	1.0	3.2	4		8270	qh	4/22/2002 / 4/22/2002
1-Methylnaphthalene	< 1.2	ug/l	1.2	3.8	4		8270	qh	4/22/2002 / 4/22/2002
2,3,4,6-Tetrachlorophenol	< 1.6	ug/l	1.6	5.0	4		8270	qh	4/22/2002 / 4/22/2002
2,4,5-Trichlorophenol	< 1.9	ug/l	1.9	6.0	4		8270	qh	4/22/2002 / 4/22/2002
2,4,6-Trichlorophenol	< 1.5	ug/l	1.5	4.8	4		8270	qh	4/22/2002 / 4/22/2002
2,4-Dichlorophenol	< 1.7	ug/l	1.7	5.5	4		8270	qh	4/22/2002 / 4/22/2002
2,4-Dimethylphenol	< 8.2	ug/l	8.2	26	4		8270	qh	4/22/2002 / 4/22/2002
2,4-Dinitrophenol	< 2.4	ug/l	2.4	7.6	4		8270	qh	4/22/2002 / 4/22/2002
2,4-Dinitrotoluene	149	ug/l	1.8	5.7	4		8270	qh	4/22/2002 / 4/22/2002
2,6-Dichlorophenol	< 1.9	ug/l	1.9	6.0	4		8270	qh	4/22/2002 / 4/22/2002
2,6-Dinitrotoluene	< 1.3	ug/l	1.3	4.2	4		8270	qh	4/22/2002 / 4/22/2002
2-Chloronaphthalene	< 1.7	ug/l	1.7	5.5	4		8270	qh	4/22/2002 / 4/22/2002
2-Chlorophenol	402	ug/l	3.1	9.9	4		8270	qh	4/22/2002 / 4/22/2002
2-Methyl-4,6-Dinitrophenol	< 2.2	ug/l	2.2	6.9	4		8270	qh	4/22/2002 / 4/22/2002
2-Methylnaphthalene	< 1.5	ug/l	1.5	4.8	4		8270	qh	4/22/2002 / 4/22/2002
2-Methylphenol	< 1.4	ug/l	1.4	4.3	4		8270	qh	4/22/2002 / 4/22/2002
2-Nitroaniline	< 1.3	ug/l	1.3	4.1	4		8270	qh	4/22/2002 / 4/22/2002
2-Nitrophenol	< 2.1	ug/l	2.1	6.6	4		8270	qh	4/22/2002 / 4/22/2002
3,3'-Dichlorobenzidine	< 2.6	ug/l	2.6	8.4	4		8270	qh	4/22/2002 / 4/22/2002
3,3'-Dimethylbenzidine	< 2.0	ug/l	2.0	6.4	4		8270	qh	4/22/2002 / 4/22/2002
3- + 4-Methylphenol	< 1.6	ug/l	1.6	5.1	4		8270	qh	4/22/2002 / 4/22/2002
3-Nitroaniline	< 1.8	ug/l	1.8	5.9	4		8270	qh	4/22/2002 / 4/22/2002
4-Bromophenyl phenyl ether	< 0.72	ug/l	0.72	2.3	4		8270	qh	4/22/2002 / 4/22/2002
4-Chloro-3-methyl phenol	321	ug/l	13	43	4		8270	qh	4/22/2002 / 4/22/2002
4-Chloroaniline	< 2.2	ug/l	2.2	6.9	4		8270	qh	4/22/2002 / 4/22/2002
4-Chlorophenyl phenyl ether	< 1.3	ug/l	1.3	4.2	4		8270	qh	4/22/2002 / 4/22/2002
4-Nitroaniline	< 1.6	ug/l	1.6	5.0	4		8270	qh	4/22/2002 / 4/22/2002
4-Nitrophenol	379	ug/l	6.6	21	4		8270	qh	4/22/2002 / 4/22/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020233**
DATE REPORTED: 25-Apr-02
DATE RECEIVED: 11-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: #212936
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Acenaphthylene	<1.2	ug/l	1.2	3.9	4		8270	qh	4/22/2002 / 4/22/2002
Analine	<1.5	ug/l	1.5	4.8	4		8270	qh	4/22/2002 / 4/22/2002
Anthracene	<1.2	ug/l	1.2	3.9	4		8270	qh	4/22/2002 / 4/22/2002
Benzidine	<2.4	ug/l	2.4	7.8	4		8270	qh	4/22/2002 / 4/22/2002
Benzo (a) anthracene	<2.2	ug/l	2.2	7.0	4		8270	qh	4/22/2002 / 4/22/2002
Benzo (a) pyrene	<0.76	ug/l	0.76	2.4	4		8270	qh	4/22/2002 / 4/22/2002
Benzo (b) fluoranthene	<1.5	ug/l	1.5	4.7	4		8270	qh	4/22/2002 / 4/22/2002
Benzo (g,h,i) perylene	<0.76	ug/l	0.76	2.4	4		8270	qh	4/22/2002 / 4/22/2002
Benzo (k) fluoranthene	<1.1	ug/l	1.1	3.6	4		8270	qh	4/22/2002 / 4/22/2002
Benzyl alcohol	<2.8	ug/l	2.8	8.9	4		8270	qh	4/22/2002 / 4/22/2002
Bis (2-chloroethoxy)methane	<1.1	ug/l	1.1	3.6	4		8270	qh	4/22/2002 / 4/22/2002
Bis (2-chloroethyl) ether	<1.8	ug/l	1.8	5.7	4		8270	qh	4/22/2002 / 4/22/2002
Bis (2-chloroisopropyl) ether	<0.96	ug/l	0.96	3.1	4		8270	qh	4/22/2002 / 4/22/2002
Bis (2-ethylhexyl) phthalate	<2.6	ug/l	2.6	8.3	4		8270	qh	4/22/2002 / 4/22/2002
Butyl benzyl phthalate	<2.1	ug/l	2.1	6.7	4		8270	qh	4/22/2002 / 4/22/2002
Chrysene	<2.1	ug/l	2.1	6.7	4		8270	qh	4/22/2002 / 4/22/2002
Di-n-butylphthalate	<1.1	ug/l	1.1	3.6	4		8270	qh	4/22/2002 / 4/22/2002
Di-n-octylphthalate	<1.1	ug/l	1.1	3.6	4		8270	qh	4/22/2002 / 4/22/2002
Dibenz (a,h) anthracene	<0.76	ug/l	0.76	2.4	4		8270	qh	4/22/2002 / 4/22/2002
Dibenzofuran	<1.2	ug/l	1.2	3.9	4		8270	qh	4/22/2002 / 4/22/2002
Diethylphthalate	<1.2	ug/l	1.2	3.9	4		8270	qh	4/22/2002 / 4/22/2002
Dimethylphthalate	<1.2	ug/l	1.2	3.8	4		8270	qh	4/22/2002 / 4/22/2002
Fluoranthene	<1.8	ug/l	1.8	5.6	4		8270	qh	4/22/2002 / 4/22/2002
Fluorene	<0.76	ug/l	0.76	2.4	4		8270	qh	4/22/2002 / 4/22/2002
Hexachlorobenzene	<0.84	ug/l	0.84	2.7	4		8270	qh	4/22/2002 / 4/22/2002
Hexachlorobutadiene	<0.60	ug/l	0.60	1.9	4		8270	qh	4/22/2002 / 4/22/2002
Hexachlorocyclopentadiene	<2.4	ug/l	2.4	7.6	4		8270	qh	4/22/2002 / 4/22/2002
Hexachloroethane	<0.80	ug/l	0.80	2.5	4		8270	qh	4/22/2002 / 4/22/2002
Hexachloropropylene	<1.2	ug/l	1.2	3.7	4		8270	qh	4/22/2002 / 4/22/2002
Indeno (1,2,3-cd)pyrene	<2.1	ug/l	2.1	6.7	4		8270	qh	4/22/2002 / 4/22/2002
Isophorone	<1.1	ug/l	1.1	3.4	4		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosodibutylamine	<0.96	ug/l	0.96	3.1	4		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosodiethylamine	<0.32	ug/l	0.32	1.0	4		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosodimethylamine	<3.2	ug/l	3.2	10	4		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosodiphenylamine	<0.72	ug/l	0.72	2.3	4		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosodipropylamine	235	ug/l	0.92	2.9	4		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosomethylethylamine	<4.6	ug/l	4.6	15	4		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosomorpholine	<1.2	ug/l	1.2	3.9	4		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosopiperidine	<0.88	ug/l	0.88	2.8	4		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosopyrrolidine	<1.2	ug/l	1.2	3.7	4		8270	qh	4/22/2002 / 4/22/2002
Naphthalene	<1.3	ug/l	1.3	4.1	4		8270	qh	4/22/2002 / 4/22/2002
Nitrobenzene	<1.4	ug/l	1.4	4.3	4		8270	qh	4/22/2002 / 4/22/2002
o-Toluidine	<0.84	ug/l	0.84	2.7	4		8270	qh	4/22/2002 / 4/22/2002
Pentachlorobenzene	<0.68	ug/l	0.68	2.2	4		8270	qh	4/22/2002 / 4/22/2002
Pentachloroethane	<0.68	ug/l	0.68	2.2	4		8270	qh	4/22/2002 / 4/22/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020233**
DATE REPORTED: 25-Apr-02
DATE RECEIVED: 11-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: #212936
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Phenanthrene	<1.3	ug/l	1.3	4.1	4		8270	qh	4/22/2002 / 4/22/2002
Phenol	41	ug/l	1.6	5.1	4		8270	qh	4/22/2002 / 4/22/2002
Pyrene	<2.0	ug/l	2.0	6.4	4		8270	qh	4/22/2002 / 4/22/2002
Pyridine	<1.4	ug/l	1.4	4.6	4		8270	qh	4/22/2002 / 4/22/2002

Sample Number: 28026 QC Prep Batch Number: 1000458 Collection: 4/9/2002 Time: 16:08
Client ID: MW-6 MS Sample Description:

1,2,4,5-Tetrachlorobenzene	<1.5	ug/l	1.5	4.8	4		8270	qh	4/22/2002 / 4/22/2002
1,2,4-Trichlorobenzene	165	ug/l	1.6	5.2	4		8270	qh	4/22/2002 / 4/22/2002
1,2-Dichlorobenzene	<1.1	ug/l	1.1	3.6	4		8270	qh	4/22/2002 / 4/22/2002
1,2-Diphenylhydrazine	<1.8	ug/l	1.8	5.7	4		8270	qh	4/22/2002 / 4/22/2002
1,3-Dichlorobenzene	<0.96	ug/l	0.96	3.1	4		8270	qh	4/22/2002 / 4/22/2002
1,3-Dinitrobenzene	<1.1	ug/l	1.1	3.6	4		8270	qh	4/22/2002 / 4/22/2002
1,4-Dichlorobenzene	194	ug/l	0.92	2.9	4		8270	qh	4/22/2002 / 4/22/2002
1,4-Napthoquinone	<1.0	ug/l	1.0	3.2	4		8270	qh	4/22/2002 / 4/22/2002
1-Methylnaphthalene	<1.2	ug/l	1.2	3.8	4		8270	qh	4/22/2002 / 4/22/2002
2,3,4,6-Tetrachlorophenol	<1.6	ug/l	1.6	5.0	4		8270	qh	4/22/2002 / 4/22/2002
2,4,5-Trichlorophenol	<1.9	ug/l	1.9	6.0	4		8270	qh	4/22/2002 / 4/22/2002
2,4,6-Trichlorophenol	<1.5	ug/l	1.5	4.8	4		8270	qh	4/22/2002 / 4/22/2002
2,4-Dichlorophenol	<1.7	ug/l	1.7	5.5	4		8270	qh	4/22/2002 / 4/22/2002
2,4-Dimethylphenol	<8.2	ug/l	8.2	26	4		8270	qh	4/22/2002 / 4/22/2002
2,4-Dinitrophenol	<2.4	ug/l	2.4	7.6	4		8270	qh	4/22/2002 / 4/22/2002
2,4-Dinitrotoluene	165	ug/l	1.8	5.7	4		8270	qh	4/22/2002 / 4/22/2002
2,6-Dichlorophenol	<1.9	ug/l	1.9	6.0	4		8270	qh	4/22/2002 / 4/22/2002
2,6-Dinitrotoluene	<1.3	ug/l	1.3	4.2	4		8270	qh	4/22/2002 / 4/22/2002
2-Chloronaphthalene	<1.7	ug/l	1.7	5.5	4		8270	qh	4/22/2002 / 4/22/2002
2-Chlorophenol	439	ug/l	3.1	9.9	4		8270	qh	4/22/2002 / 4/22/2002
2-Methyl-4,6-Dinitrophenol	<2.2	ug/l	2.2	6.9	4		8270	qh	4/22/2002 / 4/22/2002
2-Methylnaphthalene	<1.5	ug/l	1.5	4.8	4		8270	qh	4/22/2002 / 4/22/2002
2-Methylphenol	<1.4	ug/l	1.4	4.3	4		8270	qh	4/22/2002 / 4/22/2002
2-Nitroaniline	<1.3	ug/l	1.3	4.1	4		8270	qh	4/22/2002 / 4/22/2002
2-Nitrophenol	<2.1	ug/l	2.1	6.6	4		8270	qh	4/22/2002 / 4/22/2002
3,3'-Dichlorobenzidine	<2.6	ug/l	2.6	8.4	4		8270	qh	4/22/2002 / 4/22/2002
3,3'-Dimethylbenzidine	<2.0	ug/l	2.0	6.4	4		8270	qh	4/22/2002 / 4/22/2002
3- + 4-Methylphenol	<1.6	ug/l	1.6	5.1	4		8270	qh	4/22/2002 / 4/22/2002
3-Nitroaniline	<1.8	ug/l	1.8	5.9	4		8270	qh	4/22/2002 / 4/22/2002
4-Bromophenyl phenyl ether	<0.72	ug/l	0.72	2.3	4		8270	qh	4/22/2002 / 4/22/2002
4-Chloro-3-methyl phenol	338	ug/l	13	43	4		8270	qh	4/22/2002 / 4/22/2002
4-Chloroaniline	<2.2	ug/l	2.2	6.9	4		8270	qh	4/22/2002 / 4/22/2002
4-Chlorophenyl phenyl ether	<1.3	ug/l	1.3	4.2	4		8270	qh	4/22/2002 / 4/22/2002
4-Nitroaniline	<1.6	ug/l	1.6	5.0	4		8270	qh	4/22/2002 / 4/22/2002
4-Nitrophenol	404	ug/l	6.6	21	4		8270	qh	4/22/2002 / 4/22/2002
Acenaphthene	184	ug/l	1.1	3.6	4		8270	qh	4/22/2002 / 4/22/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020233**
DATE REPORTED: 25-Apr-02
DATE RECEIVED: 11-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: #212936
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Analine	<1.5	ug/l	1.5	4.8	4		8270	qh	4/22/2002 / 4/22/2002
Anthracene	<1.2	ug/l	1.2	3.9	4		8270	qh	4/22/2002 / 4/22/2002
Benzidine	<2.4	ug/l	2.4	7.8	4		8270	qh	4/22/2002 / 4/22/2002
Benzo (a) anthracene	<2.2	ug/l	2.2	7.0	4		8270	qh	4/22/2002 / 4/22/2002
Benzo (a) pyrene	<0.76	ug/l	0.76	2.4	4		8270	qh	4/22/2002 / 4/22/2002
Benzo (b) fluoranthene	<1.5	ug/l	1.5	4.7	4		8270	qh	4/22/2002 / 4/22/2002
Benzo (g,h,i) perylene	<0.76	ug/l	0.76	2.4	4		8270	qh	4/22/2002 / 4/22/2002
Benzo (k) fluoranthene	<1.1	ug/l	1.1	3.6	4		8270	qh	4/22/2002 / 4/22/2002
Benzyl alcohol	<2.8	ug/l	2.8	8.9	4		8270	qh	4/22/2002 / 4/22/2002
Bis (2-chloroethoxy)methane	<1.1	ug/l	1.1	3.6	4		8270	qh	4/22/2002 / 4/22/2002
Bis (2-chloroethyl) ether	<1.8	ug/l	1.8	5.7	4		8270	qh	4/22/2002 / 4/22/2002
Bis (2-chloroisopropyl) ether	<0.96	ug/l	0.96	3.1	4		8270	qh	4/22/2002 / 4/22/2002
Bis (2-ethylhexyl) phthalate	4.1	ug/l	2.6	8.3	4	J	8270	qh	4/22/2002 / 4/22/2002
Butyl benzyl phthalate	<2.1	ug/l	2.1	6.7	4		8270	qh	4/22/2002 / 4/22/2002
Chrysene	<2.1	ug/l	2.1	6.7	4		8270	qh	4/22/2002 / 4/22/2002
Di-n-butylphthalate	5.1	ug/l	1.1	3.6	4		8270	qh	4/22/2002 / 4/22/2002
Di-n-octylphthalate	<1.1	ug/l	1.1	3.6	4		8270	qh	4/22/2002 / 4/22/2002
Dibenz (a,h) anthracene	<0.76	ug/l	0.76	2.4	4		8270	qh	4/22/2002 / 4/22/2002
Dibenzofuran	<1.2	ug/l	1.2	3.9	4		8270	qh	4/22/2002 / 4/22/2002
Diethylphthalate	<1.2	ug/l	1.2	3.9	4		8270	qh	4/22/2002 / 4/22/2002
Dimethylphthalate	<1.2	ug/l	1.2	3.8	4		8270	qh	4/22/2002 / 4/22/2002
Fluoranthene	<1.8	ug/l	1.8	5.6	4		8270	qh	4/22/2002 / 4/22/2002
Fluorene	<0.76	ug/l	0.76	2.4	4		8270	qh	4/22/2002 / 4/22/2002
Hexachlorobenzene	<0.84	ug/l	0.84	2.7	4		8270	qh	4/22/2002 / 4/22/2002
Hexachlorobutadiene	<0.60	ug/l	0.60	1.9	4		8270	qh	4/22/2002 / 4/22/2002
Hexachlorocyclopentadiene	<2.4	ug/l	2.4	7.6	4		8270	qh	4/22/2002 / 4/22/2002
Hexachloroethane	<0.80	ug/l	0.80	2.5	4		8270	qh	4/22/2002 / 4/22/2002
Hexachloropropylene	<1.2	ug/l	1.2	3.7	4		8270	qh	4/22/2002 / 4/22/2002
Indeno (1,2,3-cd)pyrene	<2.1	ug/l	2.1	6.7	4		8270	qh	4/22/2002 / 4/22/2002
Isophorone	<1.1	ug/l	1.1	3.4	4		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosodibutylamine	<0.96	ug/l	0.96	3.1	4		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosodiethylamine	<0.32	ug/l	0.32	1.0	4		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosodimethylamine	<3.2	ug/l	3.2	10	4		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosodiphenylamine	<0.72	ug/l	0.72	2.3	4		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosodipropylamine	<0.92	ug/l	0.92	2.9	4		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosomethylethylamine	<4.6	ug/l	4.6	15	4		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosomorpholine	<1.2	ug/l	1.2	3.9	4		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosopiperidine	<0.88	ug/l	0.88	2.8	4		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosopyrrolidine	<1.2	ug/l	1.2	3.7	4		8270	qh	4/22/2002 / 4/22/2002
Naphthalene	<1.3	ug/l	1.3	4.1	4		8270	qh	4/22/2002 / 4/22/2002
Nitrobenzene	<1.4	ug/l	1.4	4.3	4		8270	qh	4/22/2002 / 4/22/2002
o-Toluidine	<0.84	ug/l	0.84	2.7	4		8270	qh	4/22/2002 / 4/22/2002
Pentachlorobenzene	<0.68	ug/l	0.68	2.2	4		8270	qh	4/22/2002 / 4/22/2002
Pentachloroethane	<0.68	ug/l	0.68	2.2	4		8270	qh	4/22/2002 / 4/22/2002
Pentachlorophenol	<3.0	ug/l	3.0	9.7	4		8270	qh	4/22/2002 / 4/22/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020233**
DATE REPORTED: 25-Apr-02
DATE RECEIVED: 11-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: #212936
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Phenol	< 0.89	ug/l	0.89	2.8	2.22		8270	qh	4/22/2002 / 4/22/2002
Pyrene	< 1.1	ug/l	1.1	3.5	2.22		8270	qh	4/22/2002 / 4/22/2002
Pyridine	< 0.80	ug/l	0.80	2.5	2.22		8270	qh	4/22/2002 / 4/22/2002

Sample Number: 28025 QC Prep Batch Number: 1000458 Collection: 4/9/2002 Time: 16:08
Client ID: MW-6 Sample Description:

1,2,4,5-Tetrachlorobenzene	< 1.5	ug/l	1.5	4.8	4		8270	qh	4/22/2002 / 4/22/2002
1,2,4-Trichlorobenzene	< 1.6	ug/l	1.6	5.2	4		8270	qh	4/22/2002 / 4/22/2002
1,2-Dichlorobenzene	< 1.1	ug/l	1.1	3.6	4		8270	qh	4/22/2002 / 4/22/2002
1,2-Diphenylhydrazine	< 1.8	ug/l	1.8	5.7	4		8270	qh	4/22/2002 / 4/22/2002
1,3-Dichlorobenzene	< 0.96	ug/l	0.96	3.1	4		8270	qh	4/22/2002 / 4/22/2002
1,3-Dinitrobenzene	< 1.1	ug/l	1.1	3.6	4		8270	qh	4/22/2002 / 4/22/2002
1,4-Dichlorobenzene	< 0.92	ug/l	0.92	2.9	4		8270	qh	4/22/2002 / 4/22/2002
1,4-Napthoquinone	< 1.0	ug/l	1.0	3.2	4		8270	qh	4/22/2002 / 4/22/2002
1-Methylnaphthalene	< 1.2	ug/l	1.2	3.8	4		8270	qh	4/22/2002 / 4/22/2002
2,3,4,6-Tetrachlorophenol	< 1.6	ug/l	1.6	5.0	4		8270	qh	4/22/2002 / 4/22/2002
2,4,5-Trichlorophenol	< 1.9	ug/l	1.9	6.0	4		8270	qh	4/22/2002 / 4/22/2002
2,4,6-Trichlorophenol	< 1.5	ug/l	1.5	4.8	4		8270	qh	4/22/2002 / 4/22/2002
2,4-Dichlorophenol	< 1.7	ug/l	1.7	5.5	4		8270	qh	4/22/2002 / 4/22/2002
2,4-Dimethylphenol	< 8.2	ug/l	8.2	26	4		8270	qh	4/22/2002 / 4/22/2002
2,4-Dinitrophenol	< 2.4	ug/l	2.4	7.6	4		8270	qh	4/22/2002 / 4/22/2002
2,4-Dinitrotoluene	< 1.8	ug/l	1.8	5.7	4		8270	qh	4/22/2002 / 4/22/2002
2,6-Dichlorophenol	< 1.9	ug/l	1.9	6.0	4		8270	qh	4/22/2002 / 4/22/2002
2,6-Dinitrotoluene	< 1.3	ug/l	1.3	4.2	4		8270	qh	4/22/2002 / 4/22/2002
2-Chloronaphthalene	< 1.7	ug/l	1.7	5.5	4		8270	qh	4/22/2002 / 4/22/2002
2-Chlorophenol	< 3.1	ug/l	3.1	9.9	4		8270	qh	4/22/2002 / 4/22/2002
2-Methyl-4,6-Dinitrophenol	< 2.2	ug/l	2.2	6.9	4		8270	qh	4/22/2002 / 4/22/2002
2-Methylnaphthalene	< 1.5	ug/l	1.5	4.8	4		8270	qh	4/22/2002 / 4/22/2002
2-Methylphenol	< 1.4	ug/l	1.4	4.3	4		8270	qh	4/22/2002 / 4/22/2002
2-Nitroaniline	< 1.3	ug/l	1.3	4.1	4		8270	qh	4/22/2002 / 4/22/2002
2-Nitrophenol	< 2.1	ug/l	2.1	6.6	4		8270	qh	4/22/2002 / 4/22/2002
3,3'-Dichlorobenzidine	< 2.6	ug/l	2.6	8.4	4		8270	qh	4/22/2002 / 4/22/2002
3,3'-Dimethylbenzidine	< 2.0	ug/l	2.0	6.4	4		8270	qh	4/22/2002 / 4/22/2002
3- + 4-Methylphenol	519	ug/l	1.6	5.1	4		8270	qh	4/22/2002 / 4/22/2002
3-Nitroaniline	< 1.8	ug/l	1.8	5.9	4		8270	qh	4/22/2002 / 4/22/2002
4-Bromophenyl phenyl ether	< 0.72	ug/l	0.72	2.3	4		8270	qh	4/22/2002 / 4/22/2002
4-Chloro-3-methyl phenol	< 13	ug/l	13	43	4		8270	qh	4/22/2002 / 4/22/2002
4-Chloroaniline	< 2.2	ug/l	2.2	6.9	4		8270	qh	4/22/2002 / 4/22/2002
4-Chlorophenyl phenyl ether	< 1.3	ug/l	1.3	4.2	4		8270	qh	4/22/2002 / 4/22/2002
4-Nitroaniline	< 1.6	ug/l	1.6	5.0	4		8270	qh	4/22/2002 / 4/22/2002
4-Nitrophenol	< 6.6	ug/l	6.6	21	4		8270	qh	4/22/2002 / 4/22/2002
Acenaphthene	< 1.1	ug/l	1.1	3.6	4		8270	qh	4/22/2002 / 4/22/2002
Acenaphthylene	< 1.2	ug/l	1.2	3.9	4		8270	qh	4/22/2002 / 4/22/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020233**
DATE REPORTED: 25-Apr-02
DATE RECEIVED: 11-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: #212936
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Anthracene	< 0.69	ug/l	0.69	2.2	2.22		8270	qh	4/22/2002 / 4/22/2002
Benzidine	< 1.4	ug/l	1.4	4.3	2.22		8270	qh	4/22/2002 / 4/22/2002
Benzo (a) anthracene	< 1.2	ug/l	1.2	3.9	2.22		8270	qh	4/22/2002 / 4/22/2002
Benzo (a) pyrene	< 0.42	ug/l	0.42	1.3	2.22		8270	qh	4/22/2002 / 4/22/2002
Benzo (b) fluoranthene	< 0.82	ug/l	0.82	2.6	2.22		8270	qh	4/22/2002 / 4/22/2002
Benzo (g,h,i) perylene	< 0.42	ug/l	0.42	1.3	2.22		8270	qh	4/22/2002 / 4/22/2002
Benzo (k) fluoranthene	< 0.62	ug/l	0.62	2.0	2.22		8270	qh	4/22/2002 / 4/22/2002
Benzyl alcohol	< 1.6	ug/l	1.6	4.9	2.22		8270	qh	4/22/2002 / 4/22/2002
Bis (2-chloroethoxy)methane	< 0.62	ug/l	0.62	2.0	2.22		8270	qh	4/22/2002 / 4/22/2002
Bis (2-chloroethyl) ether	< 1.00	ug/l	1.00	3.2	2.22		8270	qh	4/22/2002 / 4/22/2002
Bis (2-chloroisopropyl) ether	< 0.53	ug/l	0.53	1.7	2.22		8270	qh	4/22/2002 / 4/22/2002
Bis (2-ethylhexyl) phthalate	14	ug/l	1.4	4.6	2.22		8270	qh	4/22/2002 / 4/22/2002
Butyl benzyl phthalate	< 1.2	ug/l	1.2	3.7	2.22		8270	qh	4/22/2002 / 4/22/2002
Chrysene	< 1.2	ug/l	1.2	3.7	2.22		8270	qh	4/22/2002 / 4/22/2002
Di-n-butylphthalate	5.6	ug/l	0.62	2.0	2.22		8270	qh	4/22/2002 / 4/22/2002
Di-n-octylphthalate	< 0.62	ug/l	0.62	2.0	2.22		8270	qh	4/22/2002 / 4/22/2002
Dibenz (a,h) anthracene	< 0.42	ug/l	0.42	1.3	2.22		8270	qh	4/22/2002 / 4/22/2002
Dibenzofuran	< 0.69	ug/l	0.69	2.2	2.22		8270	qh	4/22/2002 / 4/22/2002
Diethylphthalate	2.4	ug/l	0.69	2.2	2.22		8270	qh	4/22/2002 / 4/22/2002
Dimethylphthalate	< 0.67	ug/l	0.67	2.1	2.22		8270	qh	4/22/2002 / 4/22/2002
Fluoranthene	< 0.98	ug/l	0.98	3.1	2.22		8270	qh	4/22/2002 / 4/22/2002
Fluorene	< 0.42	ug/l	0.42	1.3	2.22		8270	qh	4/22/2002 / 4/22/2002
Hexachlorobenzene	< 0.47	ug/l	0.47	1.5	2.22		8270	qh	4/22/2002 / 4/22/2002
Hexachlorobutadiene	< 0.33	ug/l	0.33	1.1	2.22		8270	qh	4/22/2002 / 4/22/2002
Hexachlorocyclopentadiene	< 1.3	ug/l	1.3	4.2	2.22		8270	qh	4/22/2002 / 4/22/2002
Hexachloroethane	< 0.44	ug/l	0.44	1.4	2.22		8270	qh	4/22/2002 / 4/22/2002
Hexachloropropylene	< 0.64	ug/l	0.64	2.0	2.22		8270	qh	4/22/2002 / 4/22/2002
Indeno (1,2,3-cd)pyrene	< 1.2	ug/l	1.2	3.7	2.22		8270	qh	4/22/2002 / 4/22/2002
Isophorone	< 0.60	ug/l	0.60	1.9	2.22		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosodibutylamine	< 0.53	ug/l	0.53	1.7	2.22		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosodiethylamine	< 0.18	ug/l	0.18	0.57	2.22		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosodimethylamine	< 1.8	ug/l	1.8	5.7	2.22		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosodiphenylamine	< 0.40	ug/l	0.40	1.3	2.22		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosodipropylamine	< 0.51	ug/l	0.51	1.6	2.22		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosomethylethylamine	< 2.6	ug/l	2.6	8.2	2.22		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosomorpholine	< 0.69	ug/l	0.69	2.2	2.22		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosopiperidine	< 0.49	ug/l	0.49	1.6	2.22		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosopyrrolidine	< 0.64	ug/l	0.64	2.0	2.22		8270	qh	4/22/2002 / 4/22/2002
Naphthalene	< 0.71	ug/l	0.71	2.3	2.22		8270	qh	4/22/2002 / 4/22/2002
Nitrobenzene	< 0.75	ug/l	0.75	2.4	2.22		8270	qh	4/22/2002 / 4/22/2002
o-Toluidine	< 0.47	ug/l	0.47	1.5	2.22		8270	qh	4/22/2002 / 4/22/2002
Pentachlorobenzene	< 0.38	ug/l	0.38	1.2	2.22		8270	qh	4/22/2002 / 4/22/2002
Pentachloroethane	< 0.38	ug/l	0.38	1.2	2.22		8270	qh	4/22/2002 / 4/22/2002
Pentachlorophenol	< 1.7	ug/l	1.7	5.4	2.22		8270	qh	4/22/2002 / 4/22/2002
Phenanthrene	< 0.71	ug/l	0.71	2.3	2.22		8270	qh	4/22/2002 / 4/22/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020233**
DATE REPORTED: 25-Apr-02
DATE RECEIVED: 11-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: #212936
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Pyrene	<2.0	ug/l	2.0	6.4	4		8270	qh	4/22/2002 / 4/22/2002
Pyridine	<1.4	ug/l	1.4	4.6	4		8270	qh	4/22/2002 / 4/22/2002

Sample Number: 28024 QC Prep Batch Number: 1000458 Collection: 4/9/2002 Time: 15:31
Client ID: MW-4 Sample Description:

1,2,4,5-Tetrachlorobenzene	<0.84	ug/l	0.84	2.7	2.22		8270	qh	4/22/2002 / 4/22/2002
1,2,4-Trichlorobenzene	<0.91	ug/l	0.91	2.9	2.22		8270	qh	4/22/2002 / 4/22/2002
1,2-Dichlorobenzene	<0.62	ug/l	0.62	2.0	2.22		8270	qh	4/22/2002 / 4/22/2002
1,2-Diphenylhydrazine	<1.00	ug/l	1.00	3.2	2.22		8270	qh	4/22/2002 / 4/22/2002
1,3-Dichlorobenzene	<0.53	ug/l	0.53	1.7	2.22		8270	qh	4/22/2002 / 4/22/2002
1,3-Dinitrobenzene	<0.62	ug/l	0.62	2.0	2.22		8270	qh	4/22/2002 / 4/22/2002
1,4-Dichlorobenzene	<0.51	ug/l	0.51	1.6	2.22		8270	qh	4/22/2002 / 4/22/2002
1,4-Napthoquinone	<0.56	ug/l	0.56	1.8	2.22		8270	qh	4/22/2002 / 4/22/2002
1-Methylnaphthalene	<0.67	ug/l	0.67	2.1	2.22		8270	qh	4/22/2002 / 4/22/2002
2,3,4,6-Tetrachlorophenol	<0.87	ug/l	0.87	2.8	2.22		8270	qh	4/22/2002 / 4/22/2002
2,4,5-Trichlorophenol	<1.0	ug/l	1.0	3.3	2.22		8270	qh	4/22/2002 / 4/22/2002
2,4,6-Trichlorophenol	<0.84	ug/l	0.84	2.7	2.22		8270	qh	4/22/2002 / 4/22/2002
2,4-Dichlorophenol	<0.95	ug/l	0.95	3.0	2.22		8270	qh	4/22/2002 / 4/22/2002
2,4-Dimethylphenol	<4.6	ug/l	4.6	15	2.22		8270	qh	4/22/2002 / 4/22/2002
2,4-Dinitrophenol	<1.3	ug/l	1.3	4.2	2.22		8270	qh	4/22/2002 / 4/22/2002
2,4-Dinitrotoluene	<1.00	ug/l	1.00	3.2	2.22		8270	qh	4/22/2002 / 4/22/2002
2,6-Dichlorophenol	<1.0	ug/l	1.0	3.3	2.22		8270	qh	4/22/2002 / 4/22/2002
2,6-Dinitrotoluene	<0.73	ug/l	0.73	2.3	2.22		8270	qh	4/22/2002 / 4/22/2002
2-Chloronaphthalene	<0.95	ug/l	0.95	3.0	2.22		8270	qh	4/22/2002 / 4/22/2002
2-Chlorophenol	<1.7	ug/l	1.7	5.5	2.22		8270	qh	4/22/2002 / 4/22/2002
2-Methyl-4,6-Dinitrophenol	<1.2	ug/l	1.2	3.8	2.22		8270	qh	4/22/2002 / 4/22/2002
2-Methylnaphthalene	<0.84	ug/l	0.84	2.7	2.22		8270	qh	4/22/2002 / 4/22/2002
2-Methylphenol	<0.75	ug/l	0.75	2.4	2.22		8270	qh	4/22/2002 / 4/22/2002
2-Nitroaniline	<0.71	ug/l	0.71	2.3	2.22		8270	qh	4/22/2002 / 4/22/2002
2-Nitrophenol	<1.2	ug/l	1.2	3.7	2.22		8270	qh	4/22/2002 / 4/22/2002
3,3'-Dichlorobenzidine	<1.5	ug/l	1.5	4.7	2.22		8270	qh	4/22/2002 / 4/22/2002
3,3'-Dimethylbenzidine	<1.1	ug/l	1.1	3.5	2.22		8270	qh	4/22/2002 / 4/22/2002
3- + 4-Methylphenol	0.91	ug/l	0.89	2.8	2.22	J	8270	qh	4/22/2002 / 4/22/2002
3-Nitroaniline	<1.0	ug/l	1.0	3.2	2.22		8270	qh	4/22/2002 / 4/22/2002
4-Bromophenyl phenyl ether	<0.40	ug/l	0.40	1.3	2.22		8270	qh	4/22/2002 / 4/22/2002
4-Chloro-3-methyl phenol	<7.4	ug/l	7.4	24	2.22		8270	qh	4/22/2002 / 4/22/2002
4-Chloroaniline	<1.2	ug/l	1.2	3.8	2.22		8270	qh	4/22/2002 / 4/22/2002
4-Chlorophenyl phenyl ether	<0.73	ug/l	0.73	2.3	2.22		8270	qh	4/22/2002 / 4/22/2002
4-Nitroaniline	<0.87	ug/l	0.87	2.8	2.22		8270	qh	4/22/2002 / 4/22/2002
4-Nitrophenol	<3.7	ug/l	3.7	12	2.22		8270	qh	4/22/2002 / 4/22/2002
Acenaphthene	<0.62	ug/l	0.62	2.0	2.22		8270	qh	4/22/2002 / 4/22/2002
Acenaphthylene	<0.69	ug/l	0.69	2.2	2.22		8270	qh	4/22/2002 / 4/22/2002
Analine	<0.84	ug/l	0.84	2.7	2.22		8270	qh	4/22/2002 / 4/22/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020233**
DATE REPORTED: 25-Apr-02
DATE RECEIVED: 11-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: #212936
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Benzidine	<2.4	ug/l	2.4	7.8	4		8270	qh	4/22/2002 / 4/22/2002
Benzo (a) anthracene	<2.2	ug/l	2.2	7.0	4		8270	qh	4/22/2002 / 4/22/2002
Benzo (a) pyrene	<0.76	ug/l	0.76	2.4	4		8270	qh	4/22/2002 / 4/22/2002
Benzo (b) fluoranthene	<1.5	ug/l	1.5	4.7	4		8270	qh	4/22/2002 / 4/22/2002
Benzo (g,h,i) perylene	<0.76	ug/l	0.76	2.4	4		8270	qh	4/22/2002 / 4/22/2002
Benzo (k) fluoranthene	<1.1	ug/l	1.1	3.6	4		8270	qh	4/22/2002 / 4/22/2002
Benzyl alcohol	3.7	ug/l	2.8	8.9	4	J	8270	qh	4/22/2002 / 4/22/2002
Bis (2-chloroethoxy)methane	<1.1	ug/l	1.1	3.6	4		8270	qh	4/22/2002 / 4/22/2002
Bis (2-chloroethyl) ether	<1.8	ug/l	1.8	5.7	4		8270	qh	4/22/2002 / 4/22/2002
Bis (2-chloroisopropyl) ether	<0.96	ug/l	0.96	3.1	4		8270	qh	4/22/2002 / 4/22/2002
Bis (2-ethylhexyl) phthalate	<2.6	ug/l	2.6	8.3	4		8270	qh	4/22/2002 / 4/22/2002
Butyl benzyl phthalate	<2.1	ug/l	2.1	6.7	4		8270	qh	4/22/2002 / 4/22/2002
Chrysene	<2.1	ug/l	2.1	6.7	4		8270	qh	4/22/2002 / 4/22/2002
Di-n-butylphthalate	4.3	ug/l	1.1	3.6	4		8270	qh	4/22/2002 / 4/22/2002
Di-n-octylphthalate	<1.1	ug/l	1.1	3.6	4		8270	qh	4/22/2002 / 4/22/2002
Dibenz (a,h) anthracene	<0.76	ug/l	0.76	2.4	4		8270	qh	4/22/2002 / 4/22/2002
Dibenzofuran	<1.2	ug/l	1.2	3.9	4		8270	qh	4/22/2002 / 4/22/2002
Diethylphthalate	2.8	ug/l	1.2	3.9	4	J	8270	qh	4/22/2002 / 4/22/2002
Dimethylphthalate	<1.2	ug/l	1.2	3.8	4		8270	qh	4/22/2002 / 4/22/2002
Fluoranthene	<1.8	ug/l	1.8	5.6	4		8270	qh	4/22/2002 / 4/22/2002
Fluorene	<0.76	ug/l	0.76	2.4	4		8270	qh	4/22/2002 / 4/22/2002
Hexachlorobenzene	<0.84	ug/l	0.84	2.7	4		8270	qh	4/22/2002 / 4/22/2002
Hexachlorobutadiene	<0.60	ug/l	0.60	1.9	4		8270	qh	4/22/2002 / 4/22/2002
Hexachlorocyclopentadiene	<2.4	ug/l	2.4	7.6	4		8270	qh	4/22/2002 / 4/22/2002
Hexachloroethane	<0.80	ug/l	0.80	2.5	4		8270	qh	4/22/2002 / 4/22/2002
Hexachloropropylene	<1.2	ug/l	1.2	3.7	4		8270	qh	4/22/2002 / 4/22/2002
Indeno (1,2,3-cd)pyrene	<2.1	ug/l	2.1	6.7	4		8270	qh	4/22/2002 / 4/22/2002
Isophorone	<1.1	ug/l	1.1	3.4	4		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosodibutylamine	<0.96	ug/l	0.96	3.1	4		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosodiethylamine	<0.32	ug/l	0.32	1.0	4		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosodimethylamine	<3.2	ug/l	3.2	10	4		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosodiphenylamine	<0.72	ug/l	0.72	2.3	4		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosodipropylamine	<0.92	ug/l	0.92	2.9	4		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosomethylethylamine	<4.6	ug/l	4.6	15	4		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosomorpholine	<1.2	ug/l	1.2	3.9	4		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosopiperidine	<0.88	ug/l	0.88	2.8	4		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosopyrrolidine	<1.2	ug/l	1.2	3.7	4		8270	qh	4/22/2002 / 4/22/2002
Naphthalene	<1.3	ug/l	1.3	4.1	4		8270	qh	4/22/2002 / 4/22/2002
Nitrobenzene	<1.4	ug/l	1.4	4.3	4		8270	qh	4/22/2002 / 4/22/2002
o-Toluidine	<0.84	ug/l	0.84	2.7	4		8270	qh	4/22/2002 / 4/22/2002
Pentachlorobenzene	<0.68	ug/l	0.68	2.2	4		8270	qh	4/22/2002 / 4/22/2002
Pentachloroethane	<0.68	ug/l	0.68	2.2	4		8270	qh	4/22/2002 / 4/22/2002
Pentachlorophenol	<3.0	ug/l	3.0	9.7	4		8270	qh	4/22/2002 / 4/22/2002
Phenanthrene	<1.3	ug/l	1.3	4.1	4		8270	qh	4/22/2002 / 4/22/2002
Phenol	<1.6	ug/l	1.6	5.1	4		8270	qh	4/22/2002 / 4/22/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20020233**
DATE REPORTED:	25-Apr-02
DATE RECEIVED:	11-Apr-02
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	#212936
PROJECT NAME:	Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Pyridine	< 0.80	ug/l	0.80	2.5	2.22		8270	qh	4/22/2002 / 4/22/2002
Sample Number: 28023	QC Prep Batch Number: 1000458						Collection: 4/9/2002		Time: 14:29
Client ID: MW-3							Sample Description:		
1,2,4,5-Tetrachlorobenzene	< 1.5	ug/l	1.5	4.8	4		8270	qh	4/22/2002 / 4/22/2002
1,2,4-Trichlorobenzene	< 1.6	ug/l	1.6	5.2	4		8270	qh	4/22/2002 / 4/22/2002
1,2-Dichlorobenzene	< 1.1	ug/l	1.1	3.6	4		8270	qh	4/22/2002 / 4/22/2002
1,2-Diphenylhydrazine	< 1.8	ug/l	1.8	5.7	4		8270	qh	4/22/2002 / 4/22/2002
1,3-Dichlorobenzene	< 0.96	ug/l	0.96	3.1	4		8270	qh	4/22/2002 / 4/22/2002
1,3-Dinitrobenzene	< 1.1	ug/l	1.1	3.6	4		8270	qh	4/22/2002 / 4/22/2002
1,4-Dichlorobenzene	< 0.92	ug/l	0.92	2.9	4		8270	qh	4/22/2002 / 4/22/2002
1,4-Napthoquinone	< 1.0	ug/l	1.0	3.2	4		8270	qh	4/22/2002 / 4/22/2002
1-Methylnaphthalene	1.4	ug/l	1.2	3.8	4	J	8270	qh	4/22/2002 / 4/22/2002
2,3,4,6-Tetrachlorophenol	< 1.6	ug/l	1.6	5.0	4		8270	qh	4/22/2002 / 4/22/2002
2,4,5-Trichlorophenol	< 1.9	ug/l	1.9	6.0	4		8270	qh	4/22/2002 / 4/22/2002
2,4,6-Trichlorophenol	< 1.5	ug/l	1.5	4.8	4		8270	qh	4/22/2002 / 4/22/2002
2,4-Dichlorophenol	< 1.7	ug/l	1.7	5.5	4		8270	qh	4/22/2002 / 4/22/2002
2,4-Dimethylphenol	< 8.2	ug/l	8.2	26	4		8270	qh	4/22/2002 / 4/22/2002
2,4-Dinitrophenol	< 2.4	ug/l	2.4	7.6	4		8270	qh	4/22/2002 / 4/22/2002
2,4-Dinitrotoluene	< 1.8	ug/l	1.8	5.7	4		8270	qh	4/22/2002 / 4/22/2002
2,6-Dichlorophenol	< 1.9	ug/l	1.9	6.0	4		8270	qh	4/22/2002 / 4/22/2002
2,6-Dinitrotoluene	< 1.3	ug/l	1.3	4.2	4		8270	qh	4/22/2002 / 4/22/2002
2-Chloronaphthalene	< 1.7	ug/l	1.7	5.5	4		8270	qh	4/22/2002 / 4/22/2002
2-Chlorophenol	< 3.1	ug/l	3.1	9.9	4		8270	qh	4/22/2002 / 4/22/2002
2-Methyl-4,6-Dinitrophenol	< 2.2	ug/l	2.2	6.9	4		8270	qh	4/22/2002 / 4/22/2002
2-Methylnaphthalene	< 1.5	ug/l	1.5	4.8	4		8270	qh	4/22/2002 / 4/22/2002
2-Methylphenol	< 1.4	ug/l	1.4	4.3	4		8270	qh	4/22/2002 / 4/22/2002
2-Nitroaniline	< 1.3	ug/l	1.3	4.1	4		8270	qh	4/22/2002 / 4/22/2002
2-Nitrophenol	< 2.1	ug/l	2.1	6.6	4		8270	qh	4/22/2002 / 4/22/2002
3,3'-Dichlorobenzidine	< 2.6	ug/l	2.6	8.4	4		8270	qh	4/22/2002 / 4/22/2002
3,3'-Dimethylbenzidine	< 2.0	ug/l	2.0	6.4	4		8270	qh	4/22/2002 / 4/22/2002
3- + 4-Methylphenol	< 1.6	ug/l	1.6	5.1	4		8270	qh	4/22/2002 / 4/22/2002
3-Nitroaniline	< 1.8	ug/l	1.8	5.9	4		8270	qh	4/22/2002 / 4/22/2002
4-Bromophenyl phenyl ether	< 0.72	ug/l	0.72	2.3	4		8270	qh	4/22/2002 / 4/22/2002
4-Chloro-3-methyl phenol	< 13	ug/l	13	43	4		8270	qh	4/22/2002 / 4/22/2002
4-Chloroaniline	< 2.2	ug/l	2.2	6.9	4		8270	qh	4/22/2002 / 4/22/2002
4-Chlorophenyl phenyl ether	< 1.3	ug/l	1.3	4.2	4		8270	qh	4/22/2002 / 4/22/2002
4-Nitroaniline	< 1.6	ug/l	1.6	5.0	4		8270	qh	4/22/2002 / 4/22/2002
4-Nitrophenol	< 6.6	ug/l	6.6	21	4		8270	qh	4/22/2002 / 4/22/2002
Acenaphthene	< 1.1	ug/l	1.1	3.6	4		8270	qh	4/22/2002 / 4/22/2002
Acenaphthylene	< 1.2	ug/l	1.2	3.9	4		8270	qh	4/22/2002 / 4/22/2002
Analine	< 1.5	ug/l	1.5	4.8	4		8270	qh	4/22/2002 / 4/22/2002
Anthracene	< 1.2	ug/l	1.2	3.9	4		8270	qh	4/22/2002 / 4/22/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020233**
DATE REPORTED: 25-Apr-02
DATE RECEIVED: 11-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: #212936
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Benzo (a) anthracene	< 1.2	ug/l	1.2	3.9	2.22		8270	qh	4/22/2002 / 4/22/2002
Benzo (a) pyrene	< 0.42	ug/l	0.42	1.3	2.22		8270	qh	4/22/2002 / 4/22/2002
Benzo (b) fluoranthene	< 0.82	ug/l	0.82	2.6	2.22		8270	qh	4/22/2002 / 4/22/2002
Benzo (g,h,i) perylene	< 0.42	ug/l	0.42	1.3	2.22		8270	qh	4/22/2002 / 4/22/2002
Benzo (k) fluoranthene	< 0.62	ug/l	0.62	2.0	2.22		8270	qh	4/22/2002 / 4/22/2002
Benzyl alcohol	2.2	ug/l	1.6	4.9	2.22	J	8270	qh	4/22/2002 / 4/22/2002
Bis (2-chloroethoxy)methane	< 0.62	ug/l	0.62	2.0	2.22		8270	qh	4/22/2002 / 4/22/2002
Bis (2-chloroethyl) ether	< 1.00	ug/l	1.00	3.2	2.22		8270	qh	4/22/2002 / 4/22/2002
Bis (2-chloroisopropyl) ether	< 0.53	ug/l	0.53	1.7	2.22		8270	qh	4/22/2002 / 4/22/2002
Bis (2-ethylhexyl) phthalate	4.4	ug/l	1.4	4.6	2.22	J	8270	qh	4/22/2002 / 4/22/2002
Butyl benzyl phthalate	< 1.2	ug/l	1.2	3.7	2.22		8270	qh	4/22/2002 / 4/22/2002
Chrysene	< 1.2	ug/l	1.2	3.7	2.22		8270	qh	4/22/2002 / 4/22/2002
Di-n-butylphthalate	4.2	ug/l	0.62	2.0	2.22		8270	qh	4/22/2002 / 4/22/2002
Di-n-octylphthalate	< 0.62	ug/l	0.62	2.0	2.22		8270	qh	4/22/2002 / 4/22/2002
Dibenz (a,h) anthracene	< 0.42	ug/l	0.42	1.3	2.22		8270	qh	4/22/2002 / 4/22/2002
Dibenzofuran	< 0.69	ug/l	0.69	2.2	2.22		8270	qh	4/22/2002 / 4/22/2002
Diethylphthalate	< 0.69	ug/l	0.69	2.2	2.22		8270	qh	4/22/2002 / 4/22/2002
Dimethylphthalate	< 0.67	ug/l	0.67	2.1	2.22		8270	qh	4/22/2002 / 4/22/2002
Fluoranthene	< 0.98	ug/l	0.98	3.1	2.22		8270	qh	4/22/2002 / 4/22/2002
Fluorene	< 0.42	ug/l	0.42	1.3	2.22		8270	qh	4/22/2002 / 4/22/2002
Hexachlorobenzene	< 0.47	ug/l	0.47	1.5	2.22		8270	qh	4/22/2002 / 4/22/2002
Hexachlorobutadiene	< 0.33	ug/l	0.33	1.1	2.22		8270	qh	4/22/2002 / 4/22/2002
Hexachlorocyclopentadiene	< 1.3	ug/l	1.3	4.2	2.22		8270	qh	4/22/2002 / 4/22/2002
Hexachloroethane	< 0.44	ug/l	0.44	1.4	2.22		8270	qh	4/22/2002 / 4/22/2002
Hexachloropropylene	< 0.64	ug/l	0.64	2.0	2.22		8270	qh	4/22/2002 / 4/22/2002
Indeno (1,2,3-cd)pyrene	< 1.2	ug/l	1.2	3.7	2.22		8270	qh	4/22/2002 / 4/22/2002
Isophorone	< 0.60	ug/l	0.60	1.9	2.22		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosodibutylamine	< 0.53	ug/l	0.53	1.7	2.22		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosodiethylamine	< 0.18	ug/l	0.18	0.57	2.22		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosodimethylamine	< 1.8	ug/l	1.8	5.7	2.22		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosodiphenylamine	< 0.40	ug/l	0.40	1.3	2.22		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosodipropylamine	< 0.51	ug/l	0.51	1.6	2.22		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosomethylethylamine	< 2.6	ug/l	2.6	8.2	2.22		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosomorpholine	< 0.69	ug/l	0.69	2.2	2.22		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosopiperidine	< 0.49	ug/l	0.49	1.6	2.22		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosopyrrolidine	< 0.64	ug/l	0.64	2.0	2.22		8270	qh	4/22/2002 / 4/22/2002
Naphthalene	< 0.71	ug/l	0.71	2.3	2.22		8270	qh	4/22/2002 / 4/22/2002
Nitrobenzene	< 0.75	ug/l	0.75	2.4	2.22		8270	qh	4/22/2002 / 4/22/2002
o-Toluidine	< 0.47	ug/l	0.47	1.5	2.22		8270	qh	4/22/2002 / 4/22/2002
Pentachlorobenzene	< 0.38	ug/l	0.38	1.2	2.22		8270	qh	4/22/2002 / 4/22/2002
Pentachloroethane	< 0.38	ug/l	0.38	1.2	2.22		8270	qh	4/22/2002 / 4/22/2002
Pentachlorophenol	< 1.7	ug/l	1.7	5.4	2.22		8270	qh	4/22/2002 / 4/22/2002
Phenanthrene	< 0.71	ug/l	0.71	2.3	2.22		8270	qh	4/22/2002 / 4/22/2002
Phenol	< 0.89	ug/l	0.89	2.8	2.22		8270	qh	4/22/2002 / 4/22/2002
Pyrene	< 1.1	ug/l	1.1	3.5	2.22		8270	qh	4/22/2002 / 4/22/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20020233**
DATE REPORTED:	25-Apr-02
DATE RECEIVED:	11-Apr-02
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	#212936
PROJECT NAME:	Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Sample Number: 28022 QC Prep Batch Number: 1000458 Collection: 4/9/2002 Time: 11:20
Client ID: MW-2 Sample Description:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,2,4,5-Tetrachlorobenzene	< 0.84	ug/l	0.84	2.7	2.22		8270	qh	4/22/2002 / 4/22/2002
1,2,4-Trichlorobenzene	< 0.91	ug/l	0.91	2.9	2.22		8270	qh	4/22/2002 / 4/22/2002
1,2-Dichlorobenzene	< 0.62	ug/l	0.62	2.0	2.22		8270	qh	4/22/2002 / 4/22/2002
1,2-Diphenylhydrazine	< 1.00	ug/l	1.00	3.2	2.22		8270	qh	4/22/2002 / 4/22/2002
1,3-Dichlorobenzene	< 0.53	ug/l	0.53	1.7	2.22		8270	qh	4/22/2002 / 4/22/2002
1,3-Dinitrobenzene	< 0.62	ug/l	0.62	2.0	2.22		8270	qh	4/22/2002 / 4/22/2002
1,4-Dichlorobenzene	< 0.51	ug/l	0.51	1.6	2.22		8270	qh	4/22/2002 / 4/22/2002
1,4-Napthoquinone	< 0.56	ug/l	0.56	1.8	2.22		8270	qh	4/22/2002 / 4/22/2002
1-Methylnaphthalene	< 0.67	ug/l	0.67	2.1	2.22		8270	qh	4/22/2002 / 4/22/2002
2,3,4,6-Tetrachlorophenol	< 0.87	ug/l	0.87	2.8	2.22		8270	qh	4/22/2002 / 4/22/2002
2,4,5-Trichlorophenol	< 1.0	ug/l	1.0	3.3	2.22		8270	qh	4/22/2002 / 4/22/2002
2,4,6-Trichlorophenol	< 0.84	ug/l	0.84	2.7	2.22		8270	qh	4/22/2002 / 4/22/2002
2,4-Dichlorophenol	< 0.95	ug/l	0.95	3.0	2.22		8270	qh	4/22/2002 / 4/22/2002
2,4-Dimethylphenol	< 4.6	ug/l	4.6	15	2.22		8270	qh	4/22/2002 / 4/22/2002
2,4-Dinitrophenol	< 1.3	ug/l	1.3	4.2	2.22		8270	qh	4/22/2002 / 4/22/2002
2,4-Dinitrotoluene	< 1.00	ug/l	1.00	3.2	2.22		8270	qh	4/22/2002 / 4/22/2002
2,6-Dichlorophenol	< 1.0	ug/l	1.0	3.3	2.22		8270	qh	4/22/2002 / 4/22/2002
2,6-Dinitrotoluene	< 0.73	ug/l	0.73	2.3	2.22		8270	qh	4/22/2002 / 4/22/2002
2-Chloronaphthalene	< 0.95	ug/l	0.95	3.0	2.22		8270	qh	4/22/2002 / 4/22/2002
2-Chlorophenol	< 1.7	ug/l	1.7	5.5	2.22		8270	qh	4/22/2002 / 4/22/2002
2-Methyl-4,6-Dinitrophenol	< 1.2	ug/l	1.2	3.8	2.22		8270	qh	4/22/2002 / 4/22/2002
2-Methylnaphthalene	< 0.84	ug/l	0.84	2.7	2.22		8270	qh	4/22/2002 / 4/22/2002
2-Methylphenol	< 0.75	ug/l	0.75	2.4	2.22		8270	qh	4/22/2002 / 4/22/2002
2-Nitroaniline	< 0.71	ug/l	0.71	2.3	2.22		8270	qh	4/22/2002 / 4/22/2002
2-Nitrophenol	< 1.2	ug/l	1.2	3.7	2.22		8270	qh	4/22/2002 / 4/22/2002
3,3'-Dichlorobenzidine	< 1.5	ug/l	1.5	4.7	2.22		8270	qh	4/22/2002 / 4/22/2002
3,3'-Dimethylbenzidine	< 1.1	ug/l	1.1	3.5	2.22		8270	qh	4/22/2002 / 4/22/2002
3- + 4-Methylphenol	< 0.89	ug/l	0.89	2.8	2.22		8270	qh	4/22/2002 / 4/22/2002
3-Nitroaniline	< 1.0	ug/l	1.0	3.2	2.22		8270	qh	4/22/2002 / 4/22/2002
4-Bromophenyl phenyl ether	< 0.40	ug/l	0.40	1.3	2.22		8270	qh	4/22/2002 / 4/22/2002
4-Chloro-3-methyl phenol	< 7.4	ug/l	7.4	24	2.22		8270	qh	4/22/2002 / 4/22/2002
4-Chloroaniline	< 1.2	ug/l	1.2	3.8	2.22		8270	qh	4/22/2002 / 4/22/2002
4-Chlorophenyl phenyl ether	< 0.73	ug/l	0.73	2.3	2.22		8270	qh	4/22/2002 / 4/22/2002
4-Nitroaniline	< 0.87	ug/l	0.87	2.8	2.22		8270	qh	4/22/2002 / 4/22/2002
4-Nitrophenol	< 3.7	ug/l	3.7	12	2.22		8270	qh	4/22/2002 / 4/22/2002
Acenaphthene	< 0.62	ug/l	0.62	2.0	2.22		8270	qh	4/22/2002 / 4/22/2002
Acenaphthylene	< 0.69	ug/l	0.69	2.2	2.22		8270	qh	4/22/2002 / 4/22/2002
Analine	< 0.84	ug/l	0.84	2.7	2.22		8270	qh	4/22/2002 / 4/22/2002
Anthracene	< 0.69	ug/l	0.69	2.2	2.22		8270	qh	4/22/2002 / 4/22/2002
Benzidine	< 1.4	ug/l	1.4	4.3	2.22		8270	qh	4/22/2002 / 4/22/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020233**
DATE REPORTED: 25-Apr-02
DATE RECEIVED: 11-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: #212936
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Benzo (a) pyrene	< 0.42	ug/l	0.42	1.3	2.22		8270	qh	4/22/2002 / 4/22/2002
Benzo (b) fluoranthene	< 0.82	ug/l	0.82	2.6	2.22		8270	qh	4/22/2002 / 4/22/2002
Benzo (g,h,i) perylene	< 0.42	ug/l	0.42	1.3	2.22		8270	qh	4/22/2002 / 4/22/2002
Benzo (k) fluoranthene	< 0.62	ug/l	0.62	2.0	2.22		8270	qh	4/22/2002 / 4/22/2002
Benzyl alcohol	< 1.6	ug/l	1.6	4.9	2.22		8270	qh	4/22/2002 / 4/22/2002
Bis (2-chloroethoxy)methane	< 0.62	ug/l	0.62	2.0	2.22		8270	qh	4/22/2002 / 4/22/2002
Bis (2-chloroethyl) ether	< 1.00	ug/l	1.00	3.2	2.22		8270	qh	4/22/2002 / 4/22/2002
Bis (2-chloroisopropyl) ether	< 0.53	ug/l	0.53	1.7	2.22		8270	qh	4/22/2002 / 4/22/2002
Bis (2-ethylhexyl) phthalate	10	ug/l	1.4	4.6	2.22		8270	qh	4/22/2002 / 4/22/2002
Butyl benzyl phthalate	< 1.2	ug/l	1.2	3.7	2.22		8270	qh	4/22/2002 / 4/22/2002
Chrysene	< 1.2	ug/l	1.2	3.7	2.22		8270	qh	4/22/2002 / 4/22/2002
Di-n-butylphthalate	3.4	ug/l	0.62	2.0	2.22		8270	qh	4/22/2002 / 4/22/2002
Di-n-octylphthalate	< 0.62	ug/l	0.62	2.0	2.22		8270	qh	4/22/2002 / 4/22/2002
Dibenz (a,h) anthracene	< 0.42	ug/l	0.42	1.3	2.22		8270	qh	4/22/2002 / 4/22/2002
Dibenzofuran	< 0.69	ug/l	0.69	2.2	2.22		8270	qh	4/22/2002 / 4/22/2002
Diethylphthalate	1.6	ug/l	0.69	2.2	2.22	J	8270	qh	4/22/2002 / 4/22/2002
Dimethylphthalate	< 0.67	ug/l	0.67	2.1	2.22		8270	qh	4/22/2002 / 4/22/2002
Fluoranthene	< 0.98	ug/l	0.98	3.1	2.22		8270	qh	4/22/2002 / 4/22/2002
Fluorene	< 0.42	ug/l	0.42	1.3	2.22		8270	qh	4/22/2002 / 4/22/2002
Hexachlorobenzene	< 0.47	ug/l	0.47	1.5	2.22		8270	qh	4/22/2002 / 4/22/2002
Hexachlorobutadiene	< 0.33	ug/l	0.33	1.1	2.22		8270	qh	4/22/2002 / 4/22/2002
Hexachlorocyclopentadiene	< 1.3	ug/l	1.3	4.2	2.22		8270	qh	4/22/2002 / 4/22/2002
Hexachloroethane	< 0.44	ug/l	0.44	1.4	2.22		8270	qh	4/22/2002 / 4/22/2002
Hexachloropropylene	< 0.64	ug/l	0.64	2.0	2.22		8270	qh	4/22/2002 / 4/22/2002
Indeno (1,2,3-cd)pyrene	< 1.2	ug/l	1.2	3.7	2.22		8270	qh	4/22/2002 / 4/22/2002
Isophorone	< 0.60	ug/l	0.60	1.9	2.22		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosodibutylamine	< 0.53	ug/l	0.53	1.7	2.22		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosodiethylamine	< 0.18	ug/l	0.18	0.57	2.22		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosodimethylamine	< 1.8	ug/l	1.8	5.7	2.22		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosodiphenylamine	< 0.40	ug/l	0.40	1.3	2.22		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosodipropylamine	< 0.51	ug/l	0.51	1.6	2.22		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosomethylethylamine	< 2.6	ug/l	2.6	8.2	2.22		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosomorpholine	< 0.69	ug/l	0.69	2.2	2.22		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosopiperidine	< 0.49	ug/l	0.49	1.6	2.22		8270	qh	4/22/2002 / 4/22/2002
N-Nitrosopyrrolidine	< 0.64	ug/l	0.64	2.0	2.22		8270	qh	4/22/2002 / 4/22/2002
Naphthalene	< 0.71	ug/l	0.71	2.3	2.22		8270	qh	4/22/2002 / 4/22/2002
Nitrobenzene	< 0.75	ug/l	0.75	2.4	2.22		8270	qh	4/22/2002 / 4/22/2002
o-Toluidine	< 0.47	ug/l	0.47	1.5	2.22		8270	qh	4/22/2002 / 4/22/2002
Pentachlorobenzene	< 0.38	ug/l	0.38	1.2	2.22		8270	qh	4/22/2002 / 4/22/2002
Pentachloroethane	< 0.38	ug/l	0.38	1.2	2.22		8270	qh	4/22/2002 / 4/22/2002
Pentachlorophenol	< 1.7	ug/l	1.7	5.4	2.22		8270	qh	4/22/2002 / 4/22/2002
Phenanthrene	< 0.71	ug/l	0.71	2.3	2.22		8270	qh	4/22/2002 / 4/22/2002
Phenol	< 0.89	ug/l	0.89	2.8	2.22		8270	qh	4/22/2002 / 4/22/2002
Pyrene	< 1.1	ug/l	1.1	3.5	2.22		8270	qh	4/22/2002 / 4/22/2002
Pyridine	< 0.80	ug/l	0.80	2.5	2.22		8270	qh	4/22/2002 / 4/22/2002

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020233**
DATE REPORTED: 25-Apr-02
DATE RECEIVED: 11-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: #212936
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Sample Number: 28021 — QC Prep Batch Number: 1000458 — Collection: 4/9/2002 — Time: 13:37
Client ID: MW-1 — Sample Description:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,2,4,5-Tetrachlorobenzene	<0.84	ug/l	0.84	2.7	2.22		8270	qh	4/22/2002 / 4/22/2002
1,2,4-Trichlorobenzene	<0.91	ug/l	0.91	2.9	2.22		8270	qh	4/22/2002 / 4/22/2002
1,2-Dichlorobenzene	<0.62	ug/l	0.62	2.0	2.22		8270	qh	4/22/2002 / 4/22/2002
1,2-Diphenylhydrazine	<1.00	ug/l	1.00	3.2	2.22		8270	qh	4/22/2002 / 4/22/2002
1,3-Dichlorobenzene	<0.53	ug/l	0.53	1.7	2.22		8270	qh	4/22/2002 / 4/22/2002
1,3-Dinitrobenzene	<0.62	ug/l	0.62	2.0	2.22		8270	qh	4/22/2002 / 4/22/2002
1,4-Dichlorobenzene	<0.51	ug/l	0.51	1.6	2.22		8270	qh	4/22/2002 / 4/22/2002
1,4-Napthoquinone	<0.56	ug/l	0.56	1.8	2.22		8270	qh	4/22/2002 / 4/22/2002
1-Methylnaphthalene	<0.67	ug/l	0.67	2.1	2.22		8270	qh	4/22/2002 / 4/22/2002
2,3,4,6-Tetrachlorophenol	<0.87	ug/l	0.87	2.8	2.22		8270	qh	4/22/2002 / 4/22/2002
2,4,5-Trichlorophenol	<1.0	ug/l	1.0	3.3	2.22		8270	qh	4/22/2002 / 4/22/2002
2,4,6-Trichlorophenol	<0.84	ug/l	0.84	2.7	2.22		8270	qh	4/22/2002 / 4/22/2002
2,4-Dichlorophenol	<0.95	ug/l	0.95	3.0	2.22		8270	qh	4/22/2002 / 4/22/2002
2,4-Dimethylphenol	<4.6	ug/l	4.6	15	2.22		8270	qh	4/22/2002 / 4/22/2002
2,4-Dinitrophenol	<1.3	ug/l	1.3	4.2	2.22		8270	qh	4/22/2002 / 4/22/2002
2,4-Dinitrotoluene	<1.00	ug/l	1.00	3.2	2.22		8270	qh	4/22/2002 / 4/22/2002
2,6-Dichlorophenol	<1.0	ug/l	1.0	3.3	2.22		8270	qh	4/22/2002 / 4/22/2002
2,6-Dinitrotoluene	<0.73	ug/l	0.73	2.3	2.22		8270	qh	4/22/2002 / 4/22/2002
2-Chloronaphthalene	<0.95	ug/l	0.95	3.0	2.22		8270	qh	4/22/2002 / 4/22/2002
2-Chlorophenol	<1.7	ug/l	1.7	5.5	2.22		8270	qh	4/22/2002 / 4/22/2002
2-Methyl-4,6-Dinitrophenol	<1.2	ug/l	1.2	3.8	2.22		8270	qh	4/22/2002 / 4/22/2002
2-Methylnaphthalene	<0.84	ug/l	0.84	2.7	2.22		8270	qh	4/22/2002 / 4/22/2002
2-Methylphenol	<0.75	ug/l	0.75	2.4	2.22		8270	qh	4/22/2002 / 4/22/2002
2-Nitroaniline	<0.71	ug/l	0.71	2.3	2.22		8270	qh	4/22/2002 / 4/22/2002
2-Nitrophenol	<1.2	ug/l	1.2	3.7	2.22		8270	qh	4/22/2002 / 4/22/2002
3,3'-Dichlorobenzidine	<1.5	ug/l	1.5	4.7	2.22		8270	qh	4/22/2002 / 4/22/2002
3,3'-Dimethylbenzidine	<1.1	ug/l	1.1	3.5	2.22		8270	qh	4/22/2002 / 4/22/2002
3- + 4-Methylphenol	<0.89	ug/l	0.89	2.8	2.22		8270	qh	4/22/2002 / 4/22/2002
3-Nitroaniline	<1.0	ug/l	1.0	3.2	2.22		8270	qh	4/22/2002 / 4/22/2002
4-Bromophenyl phenyl ether	<0.40	ug/l	0.40	1.3	2.22		8270	qh	4/22/2002 / 4/22/2002
4-Chloro-3-methyl phenol	<7.4	ug/l	7.4	24	2.22		8270	qh	4/22/2002 / 4/22/2002
4-Chloroaniline	<1.2	ug/l	1.2	3.8	2.22		8270	qh	4/22/2002 / 4/22/2002
4-Chlorophenyl phenyl ether	<0.73	ug/l	0.73	2.3	2.22		8270	qh	4/22/2002 / 4/22/2002
4-Nitroaniline	<0.87	ug/l	0.87	2.8	2.22		8270	qh	4/22/2002 / 4/22/2002
4-Nitrophenol	<3.7	ug/l	3.7	12	2.22		8270	qh	4/22/2002 / 4/22/2002
Acenaphthene	<0.62	ug/l	0.62	2.0	2.22		8270	qh	4/22/2002 / 4/22/2002
Acenaphthylene	<0.69	ug/l	0.69	2.2	2.22		8270	qh	4/22/2002 / 4/22/2002
Analine	<0.84	ug/l	0.84	2.7	2.22		8270	qh	4/22/2002 / 4/22/2002
Anthracene	<0.69	ug/l	0.69	2.2	2.22		8270	qh	4/22/2002 / 4/22/2002
Benzidine	<1.4	ug/l	1.4	4.3	2.22		8270	qh	4/22/2002 / 4/22/2002
Benzo (a) anthracene	<1.2	ug/l	1.2	3.9	2.22		8270	qh	4/22/2002 / 4/22/2002

APL Environmental

3222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5888 Fax: (414) 355-3099

Project Name:	Kreher Park
Project ID:	MSA #21293L Quote #200108002

Project Manager:	Brian Hegge
Company:	MSA
Address:	1835 N. Stevens St.
City/State/Zip	Rhinelander, WI
Phone:	(715) 362 3244
Fax:	

Samples received "On Ice" | Temperature: ____C | Sample intact/not leaking

A. HCl E. Methanol
B. HNO3 F. Filtered
C. NaOH G. None
D. H2SO4 H. Others

100

Preservation / Filtration Code

Test Required	Matrix	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	Preservation / Filtration Code
15 VOC, method 8260	GW	1	2	3	4	5		7	8										A
14 SVOC, method 8270	↓	1	2	3	4	5	6												G
13 Dissolved metals: arsenic		1	2	3	4	5													B/F
12 Cadmium, Chromium, copper																			
11 iron, lead, nickel and zinc	↓																		
10																			
09																			
08																			
07																			
06																			
05																			
04																			
03																			
02																			
01																			
Collection Time		1:37	11:21	2:28	3:31	4:05	4:08	3:56	X										
Collection Date		4/9/02						↓	X										
Sample ID		MW-1	MW-2	MW-3	MW-4	MW-6	MW-6 msd	field blank	trip blank										
Lab ID		28021	28022	28023	28024	28025	28026	28027	28028										

Additional Information:

COC# 20020237

Relinquished By:	Date/Time	Received By:
Heather Krueger	4/10/02 1005	

Special Instructions:

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020125**
DATE REPORTED: 18-Mar-02
DATE RECEIVED: 18-Feb-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: msa#212936 quo
PROJECT NAME: Kreher Park

Brian Hegge
MSA
1835 N. Stevens St.
Rhinelander , WI 54501

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Pentachlorobenzene	< 0.34	**ug/l**	0.34	1.1	2		8270	qh	2/19/2002 / 3/7/2002
Pentachloroethane	< 0.34	**ug/l**	0.34	1.1	2		8270	qh	2/19/2002 / 3/7/2002
Pentachlorophenol	< 1.5	**ug/l**	1.5	4.8	2		8270	qh	2/19/2002 / 3/7/2002
Phenanthrene	< 0.64	**ug/l**	0.64	2.0	2		8270	qh	2/19/2002 / 3/7/2002
Phenol	< 0.80	**ug/l**	0.80	2.5	2		8270	qh	2/19/2002 / 3/7/2002
Pyrene	< 1.0	**ug/l**	1.0	3.2	2		8270	qh	2/19/2002 / 3/7/2002
Pyridine	< 0.72	**ug/l**	0.72	2.3	2		8270	qh	2/19/2002 / 3/7/2002

Approved By: James Chang, Ph.D., Lab Director **Date:** 3/18/02

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.
LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
RQ : Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample
"O" = Significant peaks outside of the GRO or DRO retention time wiindows
Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

APPENDIX F

Aquifer Parameter Calculations

DETERMINATION OF AQUIFER PARAMETERS

The ***hydraulic conductivity*** of the aquifer (K) was determined by MSA, using a single-point aquifer test (slug test), and the data were analyzed using the method of Bouwer and Rice within the AQTESOLV computer program. Estimates of groundwater velocity (seepage velocity) in the saturated zone were calculated using the equation:

$$V_s = K/n_e\,(dh/dl)$$

where:

V_s = groundwater or seepage velocity (cm/sec)
K = hydraulic conductivity (cm/sec)
dh/dl = groundwater gradient or change in elevation over distance (unitless)
n_e = effective porosity (unitless)

K

9.93×10^{-3} (see attached AQTESOLV spreadsheets)

dh/dl (measured between contour lines)

February 13, 2002

$\frac{0.10}{90} = 0.0011$

$\frac{0.10}{60} = 0.0017$

April 18, 2002

$\frac{0.10}{30} = 0.0033$

$\frac{0.10}{40} = 0.0025$

Average = 0.002 (***dh/dl***)

n_e

0.35 (estimated value for porosity)

$$V_s = K/n_e\,(dh/dl)$$

$$5.67 \times 10^{-5}\ cm/sec = \frac{9.93 \times 10^{-3}\ cm/sec \times 0.002}{0.35}$$

or ***58.7 ft/yr***

The ***transmissivity*** (T) of an aquifer is a measure of the amount of water that can be transmitted horizontally by the full saturated thickness of the aquifer under a hydraulic gradient of 1. The wells at this site do not fully penetrate the aquifer, therefore, the height of water in the well was substituted for the full saturated thickness of the aquifer. Estimates of transmissivity for the surficial aquifer were calculated using the following equation:

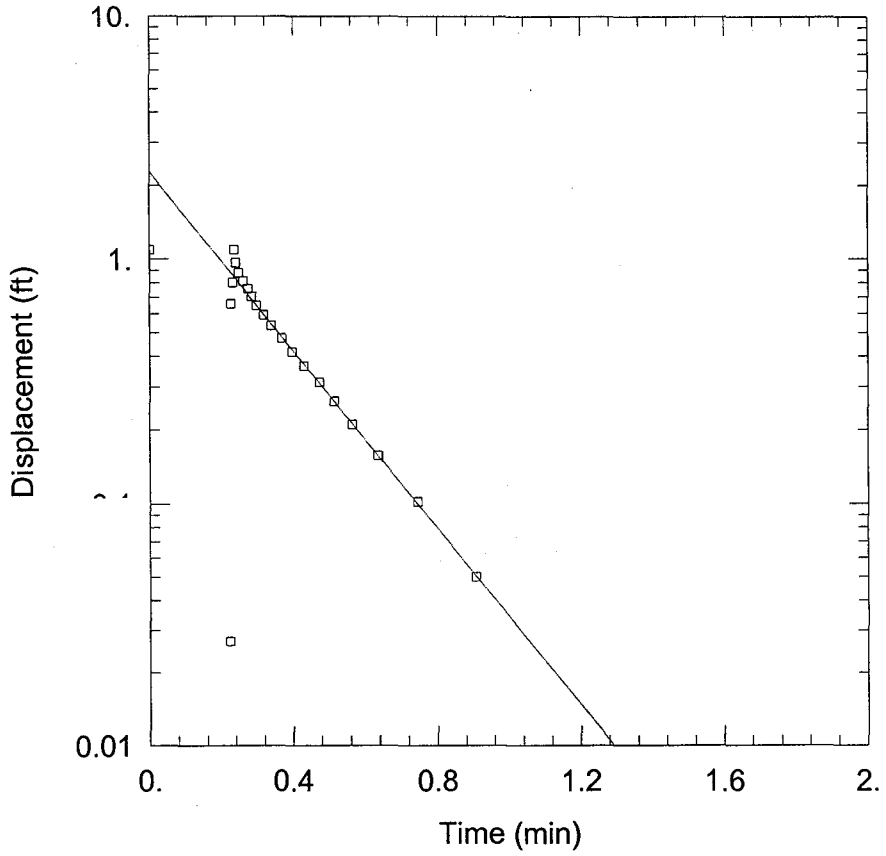
$$T = Kb$$

where:

T = transmissivity (cm^2/sec)
K = hydraulic conductivity (cm/sec)
b = thickness of the saturated portion of the well (cm)

$$T = Kb$$

$$1.51\ cm^2/sec = 9.93 \times 10^{-3}\ cm/sec \times 152.4\ cm$$



MW-1

Data Set: G:\PROJECTS\20'S\212936\HYDRAULI\MW1BR.AQT
Date: 04/24/02 Time: 15:29:25

PROJECT INFORMATION

Company: MSA Professional Services
Client: WDNR
Project: 212936
Test Location: Kreher Park
Test Well: MW-1
Test Date: April 9, 2002

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.009926 cm/sec
y0 = 2.265 ft

AQUIFER DATA

Saturated Thickness: 20. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA

Initial Displacement: 1.088 ft
Casing Radius: 0.0845 ft
Screen Length: 8.56 ft
Water Column Height: 8.56 ft
Wellbore Radius: 0.333 ft
Gravel Pack Porosity: 0.3

Data Set: G:\PROJECTS\20'S\212936\HYDRAULI\MW1BR.AQT
Title: MW-1
Date: 04/24/02
Time: 15:30:53

PROJECT INFORMATION

Company: MSA Professional Services
Client: WDNR
Project: 212936
Location: Kreher Park
Test Date: April 9, 2002
Test Well: MW-1

AQUIFER DATA

Saturated Thickness: 20 ft
Anisotropy Ratio (Kz/Kr): 1

OBSERVATION WELL DATA

Number of observation wells: 1

Observation Well No. 1: MW 1

X Location: 0 ft
Y Location: 0 ft

Observation Data

Time (min)	Displacement (ft)
0.223	0.027
0.227	0.657
0.231	0.804
0.235	1.088
0.24	0.965
0.248	0.879
0.26	0.814

0.273	0.758
0.285	0.703
0.298	0.647
0.319	0.593
0.34	0.535
0.369	0.475
0.398	0.417
0.431	0.365
0.473	0.313
0.515	0.261
0.565	0.21
0.635	0.158
0.744	0.102
0.906	0.05

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
K	0.009926	cm/sec
y0	2.265	ft

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	
K	0.009926	0.002392	cm/sec
y0	2.265	0.4958	ft

Parameter Correlations

	K	y0
K	1.00	0.96
y0	0.96	1.00

Residual Statistics

for weighted residuals

Sum of Squares ... 0.8136 ft^2
Variance..... 0.04282 ft^2
Std. Deviation ..... 0.2069 ft
Mean..... -0.003833 ft
No. of Residuals... 21
No. of Estimates... 2