SVE SYSTEM PERFORMANCE EVALUATION REPORT MID POINT OF OPERATIONS

Wausau Water Supply NPL Site
Wausau, Wisconsin

West Bank

East Bank

CRA

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February 14, 1996 Reference No. 3978

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Dear Ms. Wendel and Mr. Lester:

Re: Final SVE System Performance Evaluation Report
Mid Point of Operations
Wausau Water Supply NPL Site

Please find enclosed the final SVE System Performance Evaluation Report for your review and approval. This report has been revised from the draft report based on USEPA comments and approval granted in a letter from the USEPA dated January 30, 1996. Included in this report are the results of the Mid-Point soil sampling round and approved plans for future operations and monitoring.

If you have any questions or comments, please do not hesitate to call us at (612) 639-0913.

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES

Miles D. Phillips

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Enc.
c.c. Joseph Gehin; City of Wausau (w/enc.)
James Cherwinka; Wausau Chemical (w/o enc.)
David Eisenreich; Marathon Electric (w/o enc.)
Brian Boevers; CRA (w/o enc.)

SVE SYSTEM PERFORMANCE EVALUATION REPORT MID POINT OF OPERATIONS

Wausau Water Supply NPL Site
Wausau, Wisconsin

FEBRUARY 1996
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CONESTOGA-ROVERS & ASSOCIATES

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EXECUTIVE SUMMARY

This report provides a comprehensive evaluation of the status of the Wausau Water Supply NPL Site SVE system operation and requests approval for closure of the West Bank system, partial closure of the East Bank system, monitoring program changes and approval to abandon groundwater and SVE wells which are not monitored.

This report has been completed in accordance with the Site Consent Decree, the Site Monitoring Program Plan and approved modifications. The evaluation covers data from pre start-up through the 18th month of operation. Included are evaluations of the groundwater, soil and soil gas monitoring results associated with the performance of the SVE system.

This report has been completed and revised based on the USEPA review of the required Draft, SVE System Performance Evaluation Report, Mid Point of Operations. All requested modifications have been made.

1.0 BACKGROUND

In accordance with the September 29, 1990 Record of Decision (ROD) and the Consent Decree (CD) entered with the court on January 24, 1991, the PRP Group is implementing the final remedial action for the Wausau Superfund Site (Site) in the City of Wausau, Wisconsin (City). Figure 1.1 presents the Site location and Figure 1.2 presents the Site plan. The remedial action consists of:

- Installation of two soil vapor extraction (SVE) systems to remove volatile organic compounds (VOCs) in soils at three identified source areas;
- SVE off-gas treatment using vapor phase carbon;
- Groundwater remediation utilizing municipal supply wells and the operable unit #1 extraction well (EW1); and
- Treatment of groundwater utilizing existing City air strippers and the operable unit extraction well treatment system.

SVE System

There are two soil vapor extraction (SVE) systems in operation at the Wausau Water Supply NPL Site. These systems are referred to as the East Bank system and the West Bank system. The East Bank system consists of four (4) soil vapor extraction wells and thirty-seven (37) soil gas monitoring probes. The West Bank system consists of two (2) soil vapor extraction wells and twenty-eight (28) soil gas monitoring probes. The West Bank system was turned on January 4, 1994 and the East Bank system was turned on January 5, 1994. Both of these systems use vapor phase carbon to treat exhaust gas.

The SVE systems are designed to remove VOCs from the soil. The VOCs in the soil are considered the source for the VOCs found in the groundwater underlying the Site. Removing the source area VOCs will reduce the amount of contaminants in the groundwater. Remediating the groundwater

is the overall objective of remedial activities at the Site. The SVE systems will be shut down when the remediation of the unsaturated soil to the specified cleanup levels has been achieved. These values were derived based on the potential contribution of soil contamination to the groundwater.

Estimates of the mass of VOCs present in unsaturated soils are included in the Record of Decision (ROD). At the time of the ROD publication, 300 pounds of VOCs were estimated to be present in the West Bank unsaturated soils. The estimate for East Bank unsaturated soils was also 300 pounds of VOCs, however, it was stated that the actual quantity of VOCs present could vary considerably.

1.1 MODIFICATIONS MADE TO THE SVE SYSTEM

Up to this point the West Bank SVE system has been performing very well and has not been modified throughout the first 18 months of operation. After a major reduction in VOC concentrations over the first nine months of operation, the reduction in concentrations of PCE at the East Bank slowed and the system was modified after one year of operation. Two soil gas probes were converted into soil gas extraction wells. This was completed without changing the actual probe and without altering the ability to collect regular soil gas samples during the scheduled sampling events.

The conversion was made by connecting a 1/2-inch diameter clear flexible tube to the probe and to the vacuum inlet on the system manifold. This created a vacuum on the probe and allowed for greater soil gas removal from the specific probes that were converted. The two probes modified were GPN 16-11 and GPN 17-8.

2.0 MONITORING SUMMARY

Monitoring of the SVE system performance includes soil and soil gas sampling. Results of groundwater monitoring conducted at the Site have also been reviewed in conjunction with the soil and soil gas monitoring data.

The Site soils, all soil gas probes and soil gas extraction wells were sampled for VOCs prior to system start-up in December, 1993. Continued monitoring of the system involves monthly soil gas sampling at each probe using an HNu meter. An HNu meter reads total VOC levels. The first monthly sampling was conducted in February 1994. Quarterly sampling is conducted using an on-Site laboratory to analyze for specific VOCs. The first quarterly round was conducted in April 1994. The monthly and quarterly soil gas samples have been analyzed by ENVIROSCAN Corporation, of Rothschild, Wisconsin. Duplicate samples were taken during each quarterly soil gas sampling event, through January 1995, using summa canisters. The summa canisters were analyzed by ENCOTEC Incorporated of Ann Arbor, Michigan. The current monitoring activities are conducted according to the approved Monitoring Program Plan (MPP) dated April 13, 1994 and approved plan modifications.

2.1 SOIL SAMPLING

The soil sampling program was implemented in order to document the condition of the unsaturated soils in the areas which are considered to be sources to the groundwater contamination.

The soil sampling program consists of collecting Pre Start-up data, Mid-Point data and Final Data. If the mid-point data indicates that cleanup objectives have been met, then it is considered the final data. The soil samples are analyzed for select VOCs. The East Bank and West Bank sites are sampled separately but with the same methods. The soil sampling program required that the East Bank be partitioned into 35 grids, each of which were sampled at depths of 4 feet and 8 feet below ground surface (bgs). The West Bank was partitioned into 16 grids, each of which was sampled at depths of 7, 14, 21, 28 and 35 feet

unless groundwater was encountered. Five saturated samples were collected from each Site, for each soil sampling event.

2.2 SOIL GAS SAMPLING

The soil gas sampling was conducted in order to monitor the on going effectiveness of the SVE system. The soil gas sampling program consisted of monthly and quarterly sampling rounds. Summa canister duplicates of the soil gas samples were also collected during quarterly sampling rounds to confirm on-Site analyses. The soil gas was monitored by sampling the SVE wells and multiple soil gas probes. Figures 2.1 and 2.2 present the locations of the SVE wells and the soil gas probes for the West Bank and East Bank, respectively. The soil gas data from the pre start-up, third quarter, and sixth quarter soil gas sampling rounds have been contoured. Figures 5.1 through 5.5 represent the West Bank site and Figures 6.1 through 6.5 represent the East Bank site. The contours have been drawn using the highest result at a particular location for each sampling round (i.e. location GPN-1 has three different depth probes; 5 feet, 15 feet and 25 feet). The single highest result from these three depths was used to draw the contours.

2.2.1 Monthly Sampling

The monthly sampling was conducted using an HNu meter with a minimum 10.2 mev lamp. The HNu meter measures total VOCs. Samples were collected from each of the probes and from the SVE wells each month.

2.2.2 Quarterly Sampling

The pre start-up and quarterly sampling was conducted using a mobile on-Site laboratory. The samples were analyzed for the Site specific VOCs. Samples were collected from each of the probes, the SVE wells and the system exhaust.

2.2.3 Summa Canister Sampling

Summa canister soil gas samples were collected as duplicate samples of the regular quarterly round. Summa canister samples were collected from the system exhaust and from a percentage of the soil gas probes. Summa canister sampling is now done annually with samples collected from the system exhaust.

2.3 GROUNDWATER SAMPLING

Groundwater sampling is conducted as part of the overall project requirement to monitor the contamination levels. The groundwater cleanup is the overall objective of the soil cleanup program. The groundwater sampling results for VOCs have been included here to allow comparison of the groundwater quality and the unsaturated soil quality.

2.3.1 EW1 Treatment System

The Operable Unit 1 or Extraction Well Number 1 Treatment System (EW1) sampling is conducted monthly. The influent and effluent concentrations are both monitored for VOCs and the effluent for Site metals. This system is located near the West Bank source area. Appendix A presents complete results of influent VOC sampling conducted during the operation of the SVE system.

2.3.2 Monitoring Wells

The sampling of the groundwater monitoring wells is conducted quarterly, semi-annually and annually. Each round includes a different set of wells and parameters. The groundwater is analyzed for many parameters in addition to the VOCs, however, only the VOCs have been reported here as they are related to the SVE system performance.

3.0 SUMMARY OF REMEDIATION OBJECTIVE AND COMPLETION CRITERIA

The SVE system was designed and operated in order to remove VOCs from the unsaturated soils in areas which have been identified as VOC sources to groundwater contamination. These objectives are described in the Consent Decree and the SVE Final Design.

Two SVE systems were installed, one on the East Bank and one on the West Bank of the Wisconsin River. The VOCs in the unsaturated soils are to be cleaned up to levels specified by the USEPA and WDNR. Table 3.1 presents a list of the Site VOCs and their respective required cleanup levels.

Soil sampling conducted in December 1993, before the SVE systems were started, gave a baseline concentration of the contamination levels. A repeat of the soil sampling was conducted in July 1995 to determine if the cleanup objectives have been met through operation of the SVE systems. The soil sampling program is outlined below.

A list of VOCs for which cleanup is required was specified by the USEPA and WDNR. A cleanup concentration level was also specified for each VOC. In order to determine if the Site was clean, a sampling program which required sampling over the whole source area at multiple depths, was implemented. The results of the sample analyses had to be statistically evaluated, and a single value determined for the concentration of each VOC at the Site. This value is to be compared to the cleanup standard in order to determine if cleanup objectives have been reached. If the calculated number is equal to or lower than the cleanup level specified, then the cleanup objective will have been met and the SVE system can be shut down in accordance with the Consent Decree. If the cleanup objective is not met, further remediation work is required.

3.1 SATURATED/UNSATURATED ZONE CONTAMINANT MIGRATION

In the approved SVE system design report the potential problem of reverse contaminant migration from the groundwater to the unsaturated zone was discussed. The potential problem was that contamination just below the water table can migrate through the vadose zone and re-contaminate the lower levels of the unsaturated zone. This could potentially prevent the soil cleanup levels from being obtained. The sample results from specific probes on the East Bank indicate that this situation may be occurring. As an example, Probe GPN-16 has shown high levels of PCE in the 4, 8, and 11 foot bgs intervals at the start of the system operation, however, now only the 11 foot interval indicates high PCE levels. The water table is normally at approximately 12 feet bgs but has at times risen above the GPN-16-11 screen. Other probes such as GPN 17 may also be indicative of this situation. Additional sampling of the groundwater and soil at these points would be required in order to determine if reverse contaminant migration is occurring. It is likely that the unsaturated zone is being contaminated to some degree from the migration of contaminants in the saturated and vadose zones. The SVE system is capable of removing the VOCs from the unsaturated zone but cannot remove VOCs from the saturated zone.

4.0 DESCRIPTION OF DATA EVALUATION METHODOLOGY

The performance of the remedial action will be assessed by comparing current average concentrations for each of the East and West Bank systems with the fixed performance standards for each parameter of concern. These performance standards are the soil cleanup levels presented in Table 3.1. To evaluate areal averages for each Site, the following random sampling program was used. A sampling grid was first created for each remediation area, with the East area containing 35 grids and the West Bank system containing 16 grids. These grid systems are presented in Figures 5.6 (West Bank) and 6.6 (East Bank. Each grid was further divided into nine subgrids. The sample location was chosen for each grid at a subgrid location chosen by random. Samples were then collected at specified depths from that location.

To assess the performance of the remedial action a confidence interval approach is used, and is the recommended statistical procedure for testing the hypothesis that the Site meets a specified cleanup standard[1]. The 95% upper confidence limit (UCL) using a one-tailed test will be compared to the performance standard using the student-t test. This test will determine if the mean of the Site data is significantly greater than the required performance level. The UCL will be compared to the performance standard for each parameter of concern with the following decision rules.

i) If the UCL is greater than or equal to the performance standard, then the Site average concentration is significantly greater than the performance standard (i.e. unacceptable quality level);

ii) If the UCL is less than the performance standard, then the Site average concentration is significantly less than the performance standard (i.e. acceptable quality level).

The methodology for the calculation of each UCL is as follows:

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1 USEPA (1989) Methods for Evaluating the Attainment of Cleanup Standards. Volume 1: Soils and Solid Media.

i) for locations where duplicates were taken, the average of the two results was used;

ii) half of the detection limit for each non-detect result was used for the evaluation. This is a standard practice in statistical analysis of sampling data[2].

iii) The data are assumed to be lognormally distributed. This is appropriate for most environmental parameters (such as chemical concentrations) that are lower-bounded by zero. To check the validity of the lognormal distribution, the coefficient of variation (CV) is calculated for each parameter at each Site. It is reasonable to assume that the log-normal distribution is appropriate if the CV is less than 1[2].

2 USEPA (1992) Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities - Addendum to Interim Final Guidance.

5.0 WEST BANK SUMMARY, COMPLETION NOTIFICATION AND REQUEST FOR CLOSURE OF THE WEST BANK SVE SYSTEM

Based on the criteria specified in the CD and the monitoring plan, the Wausau PRP Group hereby presents notice of completion and formal request for approval for shut down and closure of the West Bank SVE system. Data evaluations and summaries documenting that closure criteria have been met are presented below.

5.1 SOIL SAMPLING SUMMARY

5.1.1 Summary of the West Bank Pre-Startup Soil Sampling

The results of the pre start-up soil sampling conducted in 1993 are presented in Table 5.1. The statistical summary of this data is presented in Table 5.2. Figure 5.7 presents the 1993 soil sample locations. The soil samples were analyzed for the list of Site VOCs in use during December 1993. The data indicates TCE as the primary contaminant at the Site. The data also indicates acetone in high concentrations. The acetone detections were attributed to sample collection and analysis contamination after results of soil gas samples collected at the start up of the system did not detect any acetone.

5.1.2 Summary of the West Bank Mid-Point Soil Sampling

The results of the mid-point soil sampling conducted in 1995 are presented in Table 5.3. The statistical summary of this data is presented in Table 5.4. Figure 5.8 presents the 1995 soil sample locations.

The soil samples were analyzed for the current list of Site VOCs. This list is shorter than the Site VOC list used for the pre start-up sampling as the list was reduced by eight VOCs as part of the approved monitoring program changes in 1994. The approved modifications to the Site VOC list were due to repeated non detects for those VOCs in the groundwater. Any VOC not on the current Site VOC list is not a contaminant of concern and

does not have a Site specific cleanup level. The data indicates that the SVE system has been successful in remediating the source area. The vast majority of the Site sample results were non-detect, with only a few samples having relatively high results. Evaluation of the data shows that the cleanup requirements have been achieved for the Site. The data does indicate acetone in high concentrations and when using this data, the cleanup goal for acetone is not met. The acetone detections, however, are not believed to be correct and a discussion of the reasons for this is presented below in Section 5.1.3. The data continue to indicate that TCE was the primary contaminant at the Site.

5.1.3 Evaluation of Acetone False Positives

The results of the soil samples analyzed by Enviroscan in 1993 and in 1995 indicate acetone in nearly every sample on both the east and west banks. The 1993 soil sample results indicated acetone in such high concentrations without any collaborating indication of acetone in the water or soil gas that the results were believed to be incorrect. Decontamination procedures were suspect. Table 5.5 presents the analytical results of sampling for acetone in groundwater from source area wells. Table 5.6 presents the analytical results of sampling for acetone in the soil gas using summa canisters.

The decontamination procedures used were in accordance with the monitoring plan and the Quality Assurance Program Plan (QAPP). The procedure included the use of isopropyl alcohol. The chemical properties of isopropyl alcohol sometimes cause interference with the measurement of some chemicals including acetone. Commercial isopropyl alcohol sometimes contains other chemicals which can interfere with and be detected as acetone.

In reviewing the possibility of problems with field decontamination in conjunction with the rinsate blank samples and other QA/AC samples, it is believed that decontamination procedures have not caused the acetone to be present in the sample results. Acetone is, however, a common lab contaminant and it can be difficult to identify the contamination source. The results of the QA/QC samples, however, did not detect acetone in concentrations high enough to qualify the data.

The 1995 results for acetone are drastically lower than the 1993 results. For the reasons described below, it is believed that acetone is not present in significant concentrations and that the remaining high results are due to lab problems. These problems have not been identified.

Previous sampling conducted at the Site during the remedial investigation indicated there was no significant acetone contamination. Samples collected from the same areas sampled in 1993 and 1995, had results of non-detect for acetone. Acetone would also be expected to naturally degrade, disperse and be reduced in concentration over time. In addition to this, the sources of contamination for the two sites are very different, and the primary contaminants are different. The indication of acetone in such high concentrations at almost every location at both sites is highly improbable. There is also no known source of acetone at either Site. These factors alone make it extremely unlikely that the 1995 data is correct. To obtain confirmation, the following evaluation and sampling was conducted.

The soil sample results from 1993 and 1995 indicate concentrations of acetone in the West Bank samples at levels as high as 4,400 µg/Kg (1995) and 125,000 µg/Kg (1993). If the concentrations reported were actually in the soil, Henrys law indicates that the acetone would be evaporating and that means acetone would be detected in the soil gas. Using the assumptions and calculations approved of in the SVE Final Design, Henrys law indicates that a soil concentration of 787 µg/Kg acetone would correspond to a soil gas concentration of 2.4 µg/L acetone. With a soil concentration of 125,000 µg/Kg (which was located in the same grid as the west bank SVE-Well 2, the corresponding soil gas level of acetone would be 381 µg/L. This level is 160 times above the low detection limit of 2.37 µg/L used at the Site, and would therefore have been detected. A review of the soil gas data shows that acetone has not been detected in a single soil gas sample. This includes the summa canister samples. These samples were collected from the soil gas probes, the SVE wells and from the SVE system exhaust.

In 1995, when the initial analytical results for the soil samples were reported, CRA had two samples split and sent to Quanterra

Environmental Services Incorporated of North Canton, Ohio (Quanterra) for duplicate analysis. This was conducted in order to check the reliability of the acetone reporting submitted by Enviroscan. The samples, for which Enviroscan had reported acetone levels of 1,800 µg/Kg and 4,400 µg/kg were reported as non-detect by Quanterra. A copy of this data is presented in Table 5.7. These results were also tested by looking at the results for TCE in the same samples. The results of samples analyzed by Quanterra were similar to Enviroscan's results for TCE, and in fact, the Enviroscan result of 810 µg/Kg for TCE corresponded to 930 µg/Kg from the Quanterra analysis. Although these samples were not analyzed within the standard holding time, all other quality assurance parameters were met. These results indicate acetone is not in the soil but has been incorrectly reported.

A review of groundwater data also shows that no source area groundwater sample collected during the entire project detected acetone without qualification. This shows that the acetone is not present in Site groundwater. This data also shows that the unsaturated zone is not contaminating the groundwater with acetone and that the overall soil cleanup objectives for the Site have been met.

5.2 SOIL GAS SAMPLING SUMMARY

Monitoring of the gas probes since the West Bank SVE system was started has shown a significant decrease in the level of VOCs present in the soil gas. The progress of remediation has equaled or exceeded predicted level.

The estimated mass of VOCs removed from the West Bank to date is approximately 269 pounds. This is in line with the quantity needed to reach cleanup objectives. Table 5.8 presents the calculation and estimates of mass removal quantities.

5.3 GROUNDWATER SAMPLING SUMMARY

5.3.1 Summary of the EW1 Treatment System Groundwater Sampling

The EW1 treatment system captures and treats the groundwater below the West Bank contamination source area. Contaminants leaching from the source area are captured and treated by this system. The primary contaminant is TCE, with very minor concentrations of other contaminants present, which are generally breakdown products of TCE.

The EW1 system monthly monitoring shows that the influent concentration of total VOCs has dropped almost 50% during the operation of the SVE system. Figure 5.9 presents a graph of the influent concentrations of TVOCs from SVE start-up through August 1995.

5.3.2 Summary of the Monitoring Well Sampling (VOCs)

Groundwater monitoring well sampling also indicates a significant reduction in the contamination levels of VOCs. Table 5.9 presents a list of source area wells and the concentrations of the primary contaminant, TCE, reported for all sampling events during the operation of the SVE system.

6.0 EAST BANK EVALUATION

6.1 SOIL SAMPLING SUMMARY-EAST BANK

The results of the pre start-up and midpoint soil sampling show that cleanup objectives have not yet been reached at the East Bank as a whole. The east bank is considered to have two source areas, the north loading dock area and the south loading dock area. The north loading dock area has achieved cleanup objectives and partial closure approval is requested.

Acetone was reported from samples collected all across the Site, however the acetone detections are believed to be false. This conclusion is backed up by soil gas data, groundwater data and sample split results analyzed by another laboratory, all showing non-detects. An evaluation of this data was discussed previously in Section 5.1.3.

6.1.1 Summary of the East Bank Pre Start-up Soil Sampling

The results of the pre start-up soil sampling conducted in 1993 are presented in Table 6.1. The statistical summary of this data is presented in Table 6.2. Figure 6.7 presents the 1993 soil sample locations. The soil samples were analyzed for the current list of Site VOCs. The data indicates PCE is the primary contaminant at the Site and that the other contaminants are mostly breakdown products of PCE.

6.1.2 Summary of the East Bank Mid-Point Soil Sampling

The results of the mid-point soil sampling conducted in 1995 are presented in Table 6.3. The statistical summary of this data is presented in Table 6.4. Figure 6.8 presents the 1995 soil sample locations. This data indicates that the SVE system has not yet achieved remediation of the entire area. The cleanup requirements have been achieved for the north loading dock area, however, the south loading dock area still exhibits high concentrations of PCE. Figure 6.9 presents the division of the East Bank into the north and south loading

dock areas. Statistical summaries of the north and south loading dock areas are presented in Tables 6.5 and 6.6 respectively. The data does indicate acetone in high concentrations and when using this data, the cleanup goal for acetone is not met. The acetone detections however are believed to be incorrect. The evaluation and conclusions for the acetone false positives at the East Bank are the same as for the West Bank (Section 5.2.3) with the exception that the minimum and maximum values reported are different and that we have not sent any split samples to another lab. The groundwater at the East Bank also does not contain any acetone and therefore the unsaturated zone is not considered a source.

The data continues to indicate that PCE is the primary contaminant at the Site. Although the concentrations of PCE are still too high overall to achieve closure, the contamination is concentrated in a very small number of samples at the south loading dock area. The south loading dock area concentration of VOCs has been significantly reduced at the Site by the operation of the SVE system. The highest concentration of PCE at the Site in 1993 was 14,000,000 part per billion (ppb). In 1995 the highest concentration of PCE is 16,000 ppb. This is 0.001% of the original highest concentration. It is estimated that the system has removed approximately 3,812 pounds of VOCs, which is an order of magnitude greater than the quantity of VOCs estimated in the RI. Table 6.7 presents the estimates of mass removal quantities.

6.2 SOIL GAS SAMPLING SUMMARY

The concentrations of PCE across the Site have been significantly reduced but three probes are still indicating high PCE concentrations. Complete soil gas sampling results (on-Site analysis) are presented in Appendix B.1 and B.2. These concentrations are believed to be partially due to Non Aqueous Phase Liquids (NAPL) and/or contamination below the water table. The SVE system is not designed to remediate contamination below the water table. The extraction well system already in place performs that function. The concentrations of soil gas on the East Bank indicate that remediation has reached a point of diminished returns. The level of PCE indicates that SVE remediation is not likely to remediate these particular

areas by the 36th month of operation. Recommendations for operation modifications are presented below in Section 7.2.

6.2.1 Results of the Soil Gas Survey Under the Wausau Chemical Building

After one year of operation CRA reviewed the soil gas sampling results and conducted an evaluation and comparison of current data to the modeling data supplied by Hydro Geo Chem (HGC). HGC recommended conducting a limited soil gas survey of the areas beneath the Wausau Chemical building and the City water filtration plant. The results of the additional soil gas survey indicate that significant additional sources of PCE under the building were not present. The results from the soil gas survey are presented in Appendix B.3. Soil gas concentrations under the building were higher than the majority of those on the north, east and west portions of the Site but were much lower than the south loading dock area concentrations. It is believed that the PCE under the building is not causing the high concentration of soil gas PCE at probes GNP 11 and GPN 17. It is more likely that the PCE is below the water table in concentrations high enough to cause soil gas concentrations to be high.

6.3 GROUNDWATER SAMPLING SUMMARY

6.3.1 Summary of the Monitoring Well Sampling (VOCs)

The groundwater monitoring data for VOCs is presented in Appendix C. Data has been collected quarterly, semi-annually and annually. The data shows a reduction in the groundwater contamination over the life of the project. This trend is expected to continue. Table 6.8 presents the results of PCE sampling of the East Bank source area wells.

7.0 ESTIMATE OF TIME REQUIRED TO REACH CLOSURE OF THE EAST BANK SVE SYSTEM WITHOUT SYSTEM MODIFICATIONS

It is estimated that without changes to the SVE system, cleanup objectives will not be achieved within the three years of planned operation. The removal rate has leveled off and PCE concentrations remain high at more than one probe location. The remaining contamination is concentrated in a portion of the south loading dock area. The north loading dock area has achieved cleanup objectives.

During the SVE pre-design phase, concentrations of VOCs in the south loading dock area were an order of magnitude higher than those measured during the RI. The concern was raised that NAPL may be present in the soil or dispersed within the groundwater, which would result in the SVE system being unable to remediate the south loading dock area within the required three years. During the first 18 months of operation, the SVE system has removed an order of magnitude more VOCs from the East Bank than were estimated to be present during the RI and significant concentrations are still being detected at some probes. Modifications to the East Bank SVE system have been evaluated in an effort to complete the remediation within three years, even though the mass of contaminants present is over ten times greater than estimated in the RI.

7.1 ESTIMATE OF TIME REQUIRED TO REACH CLOSURE OF THE EAST BANK SVE SYSTEM WITH SYSTEM MODIFICATIONS

The modifications recommended to attempt to meet cleanup objectives by the 36 month of operation include the closure of SVE wells 1 and 3 and the addition of two active SVE wells within the south loading dock zone. The two wells would be placed through the floor of the Wausau Chemical Building in order to accelerate VOC removal from beneath the southern end of the building. With the closure of SVE wells 1 and 3, the two new wells can be connected to the existing system. These modifications would make the system

much more likely to obtain soil cleanup objectives within the original 36 month operational period.

7.2 RECOMMENDATIONS FOR OPERATIONS OF THE EAST BANK SVE SYSTEM

In summary, the East Bank unsaturated soils have not yet been fully remediated. The south loading dock area may not meet cleanup levels within the three year period and it is recommended that the SVE system be modified as described in Section 7.1 and operation continued. Even with modification it may not be capable of cleaning up the soils to the specified levels if recontamination from the unsaturated zone continues.

It is likely that there is NAPL present in the vicinity of the south loading dock and we recommend concentrating remedial efforts on this area. The SVE system is removing significant quantities of VOCs, however, the concentration removal rate has leveled off and influence from either NAPL or the saturated zone is preventing attainment of cleanup objectives. An increase in the VOC removal rate is expected when proposed operational changes are implemented.

The influence of the PCE which is below the water table may be enough to cause the concentration of PCE in unsaturated zone soils to exceed cleanup levels. This possibility was discussed in the design stage of the project and it was stated that if this situation occurred, the SVE system may be shutdown without meeting the soil cleanup objectives established prior to system start-up, or the time frame to complete remediation would be extended. The shut down could be approved based on the fact that the unsaturated zone is no longer a significant source of contamination to the groundwater and a groundwater treatment system is in place. At the end of the three year operational period this option may be pursued based on soil and groundwater data.

If remediation of the unsaturated soil at the south loading dock area is to be completed within the three year time frame, we recommend

adding two new active SVE wells to the SVE system and shutting down SVE wells 1 and 3. The new wells would be placed within the Wausau Chemical Building to improve VOC removal from beneath the building.

7.3 RECOMMENDATIONS FOR OPERATIONS OF THE WEST BANK SVE SYSTEM

The cleanup objectives at the West Bank have been achieved and with closure approval, operation and monitoring of the system will cease. Marathon Electric and the City of Wausau propose to postpone dismantling of the SVE system until the East Bank SVE system is dismantled. There are potential cost savings for combining this work. This would also allow for the voluntary operation of the West Bank system beyond the requirements of the Consent Decree.

8.0 REQUESTED MONITORING PROGRAM CHANGES

Table 8.1 provides a summary of the proposed monitoring locations and monitoring schedule. Tables 8.2 through 8.9 present lists of monitoring locations and parameters. A description of the proposed changes to the monitoring plan is presented below.

8.1 SOIL GAS MONITORING

West Bank

As the West Bank soil cleanup criteria have been met, we recommend and request that the soil gas monitoring program be discontinued. The soil gas monitoring no longer is needed to monitor progress of the SVE system. The groundwater contamination is now the singular focus of the remediation efforts at the West Bank.

East Bank - North Loading Dock Area

As the area has reached the soil cleanup objectives, we recommend and request the current soil gas sampling program be changed to include quarterly HNu readings of the gas probes and no on-Site lab soil gas sampling.

East Bank - South Loading Dock Area

We recommend that the current soil gas program for the south loading dock area be continued without changes. If the proposed addition of two SVE wells is implemented, these two wells would be added to the soil gas monitoring list and sampled in the same manner as the existing SVE wells.

8.2 SOIL SAMPLING

West Bank

We request that the soil sampling program be approved as complete and the July 1995 soil sampling round be considered the final soil sampling round.

East Bank

We request that the north loading dock areas' August 1995 soil sampling round be considered the final round for this portion of the Site.

8.3 GROUNDWATER MONITORING CHANGES

We do not request any changes to the groundwater monitoring program for either the East or West Bank.

8.4 EW1 TREATMENT SYSTEM MONITORING CHANGES - WEST BANK

The EW1 treatment system has been operating continuously for four years. During this time monthly monitoring of both the influent and effluent concentrations of VOCs and Site metals has been conducted. This intensive monitoring is no longer required as the west bank unsaturated source area has been remediated and the Site contaminants and levels of these contaminants in the extracted groundwater has been well documented. The contaminant concentrations do not fluctuate greatly from month to month or even quarter to quarter. We request that the monitoring of the EW1 treatment system be modified to include quarterly sampling for the same list of parameters.

8.4.1 Request To Abandon Wells

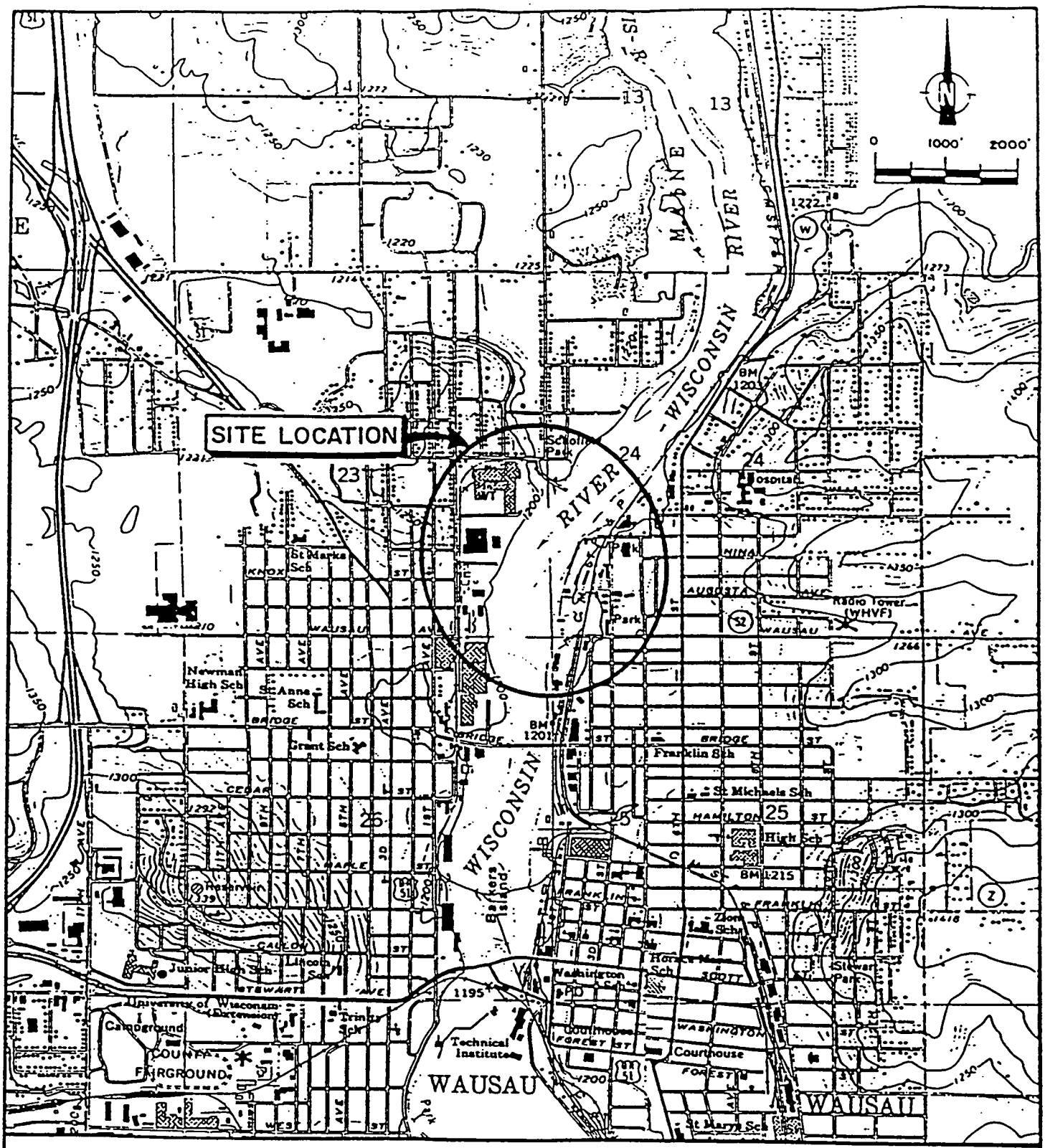
There have been numerous groundwater investigations and monitoring programs conducted at the Site since the early 1980's. Many groundwater monitoring wells were installed to be monitored. Some of these wells have fulfilled their purpose but have not been abandoned. The current monitoring list was created from the full list of known monitoring wells and was finalized in December 1993 during the annual groundwater sampling round. The wells which are no longer in use pose a maintenance problem and are a potential route of direct contamination to the groundwater. We request approval to abandon all wells including the SVE wells which are no longer required or monitored for water elevations and/or contaminants. Appendix D presents a list of all known wells installed at Wausau Water Supply NPL Site. This list indicates the current status of the well as it is known, and whether it is proposed for abandonment.

All of Which is Respectfully Submitted,

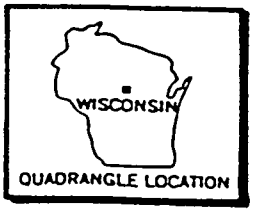
CONESTOGA-ROVERS & ASSOCIATES

Brian C. Boevers

Miles D. Phillips



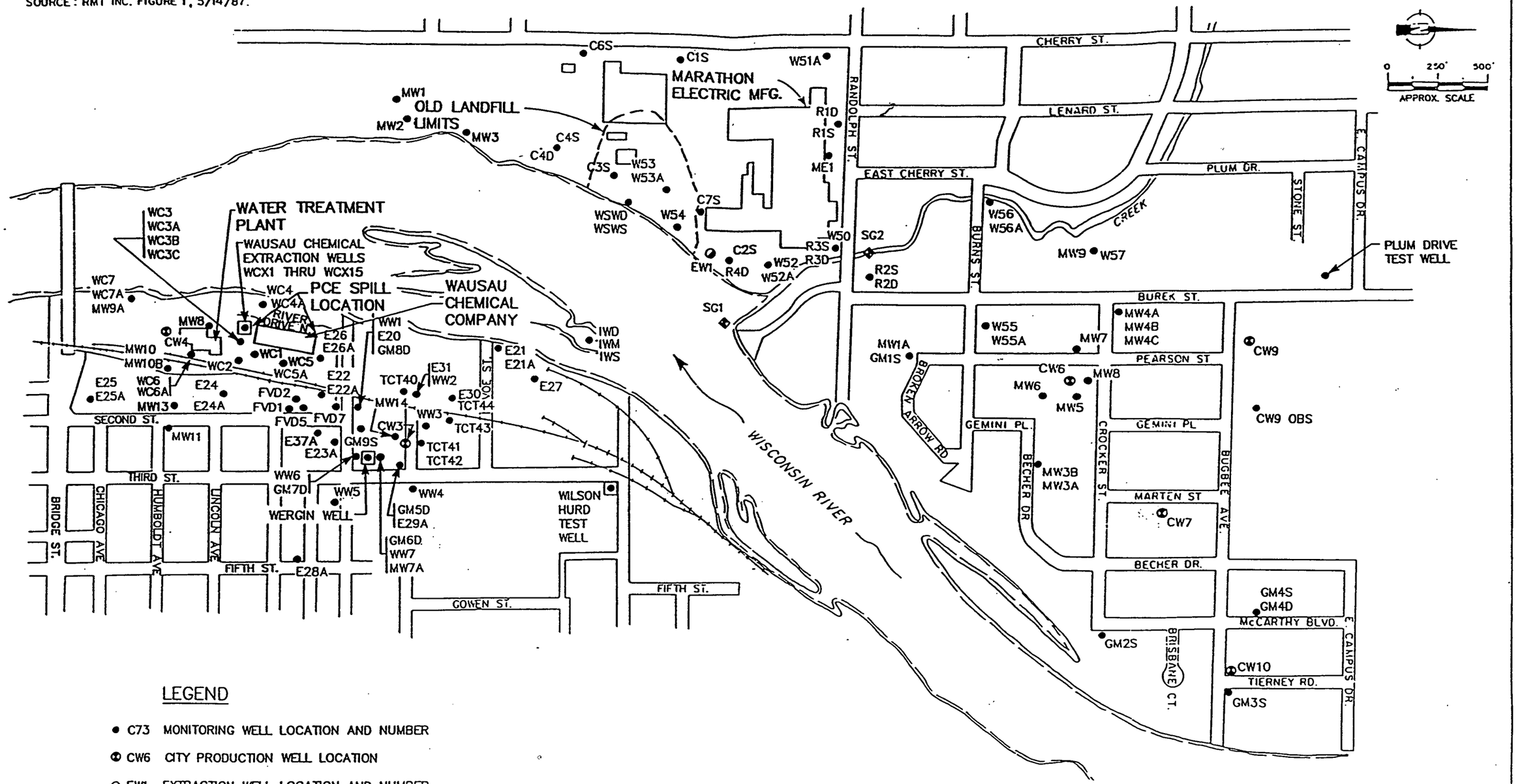
SOURCE: U.S.G.S. WAUSAU WEST QUADRANGLE MAP.



CRA

figure 1.1
SITE LOCATION
Wausau Water Supply NPL Site

SOURCE: RMT INC. FIGURE 1, 5/14/87.



LEGEND

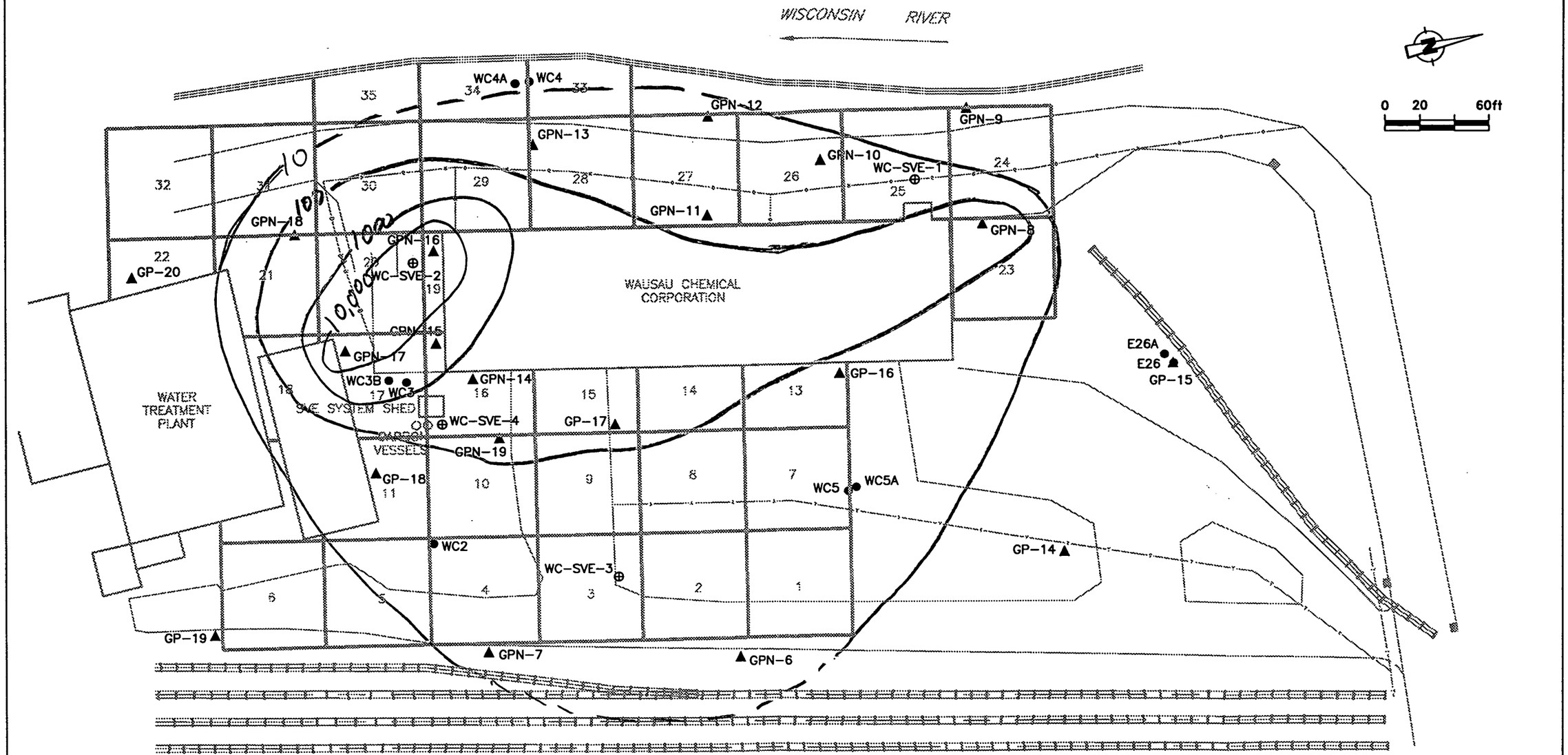
- ● C73 MONITORING WELL LOCATION AND NUMBER
- ⊕ CW6 CITY PRODUCTION WELL LOCATION
- ◒ EW1 EXTRACTION WELL LOCATION AND NUMBER
- ◈ SG1 STAFF GAGE LOCATION AND NUMBER
- ◉ INDUSTRIAL WELL LOCATION

CRA

figure 1.2
SITE PLAN/WELL LOCATIONS
Wausau Water Supply NPL Site

3978(15)–OCT. 4/95–REV.0 (MN)

pencil = pre-rem soil VOCs ppb (12-10-93)



LEGEND

- ⊕ SOIL VAPOR EXTRACTION WELL LOCATION
- ▲ SOIL GAS PROBE LOCATION
- GPN NESTED PROBES (4',8') EXCEPT GPN-15 & GPN-16 (4',8',11')
- GP SINGLE PROBE (2'-12')
- ● MONITORING WELL LOCATION

TWO LEVEL SOIL SAMPLING GRID

1	2	3
4	5	6
7	8	9

SUBGRID LAYOUT

figure 2.2
MONITORING LOCATIONS-SOIL/GAS/WATER
EAST BANK
Wausau Water Supply NPL Site

CRA

3978(15)-OCT. 4/95-REV.0 (M-15)(MN)

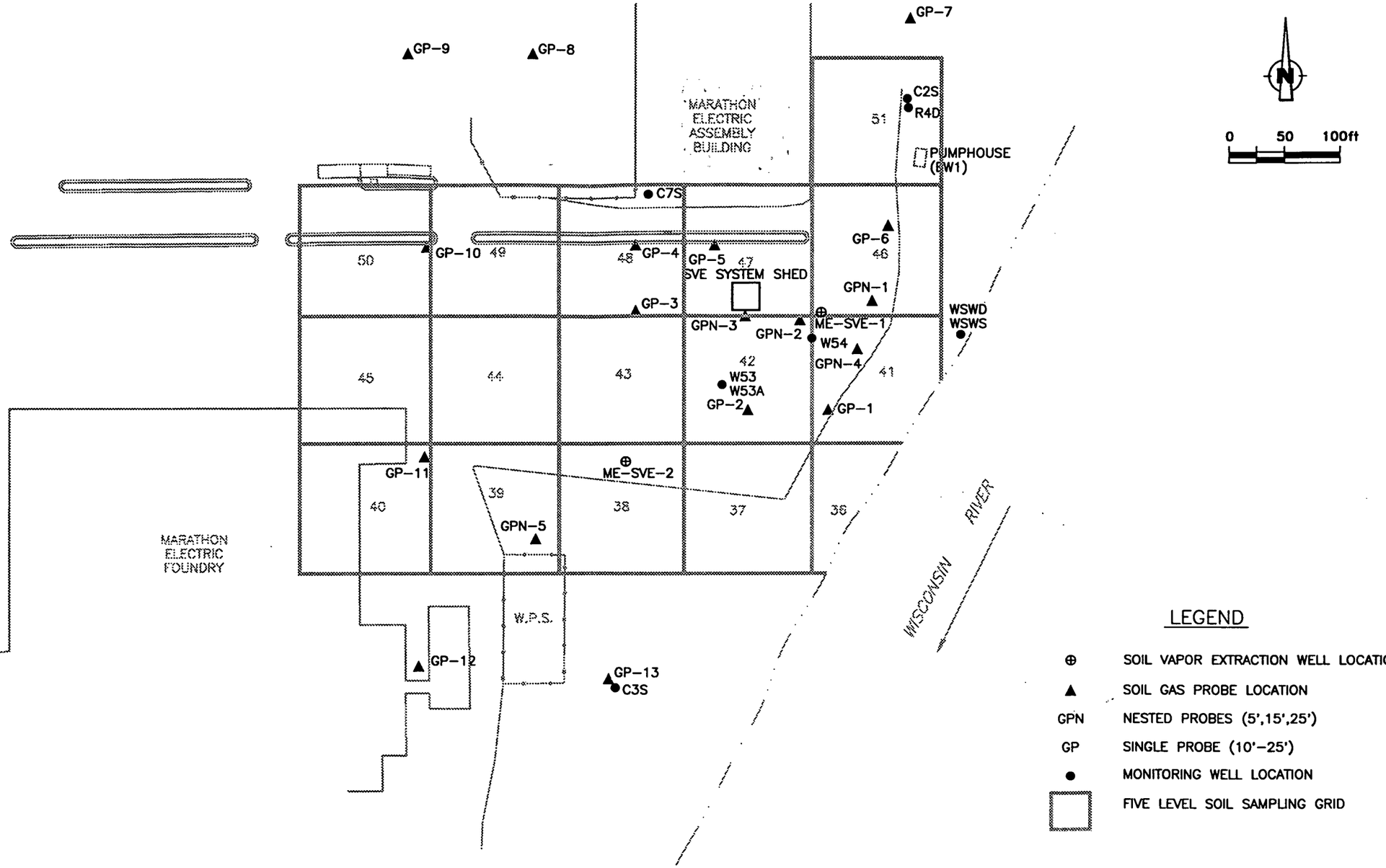


figure 2.1
MONITORING LOCATIONS-SOIL/GAS/WATER
WEST BANK
Wausau Water Supply NPL Site

CRA

3978(15)-OCT. 4/95-REV.0 (M-01)(MN)

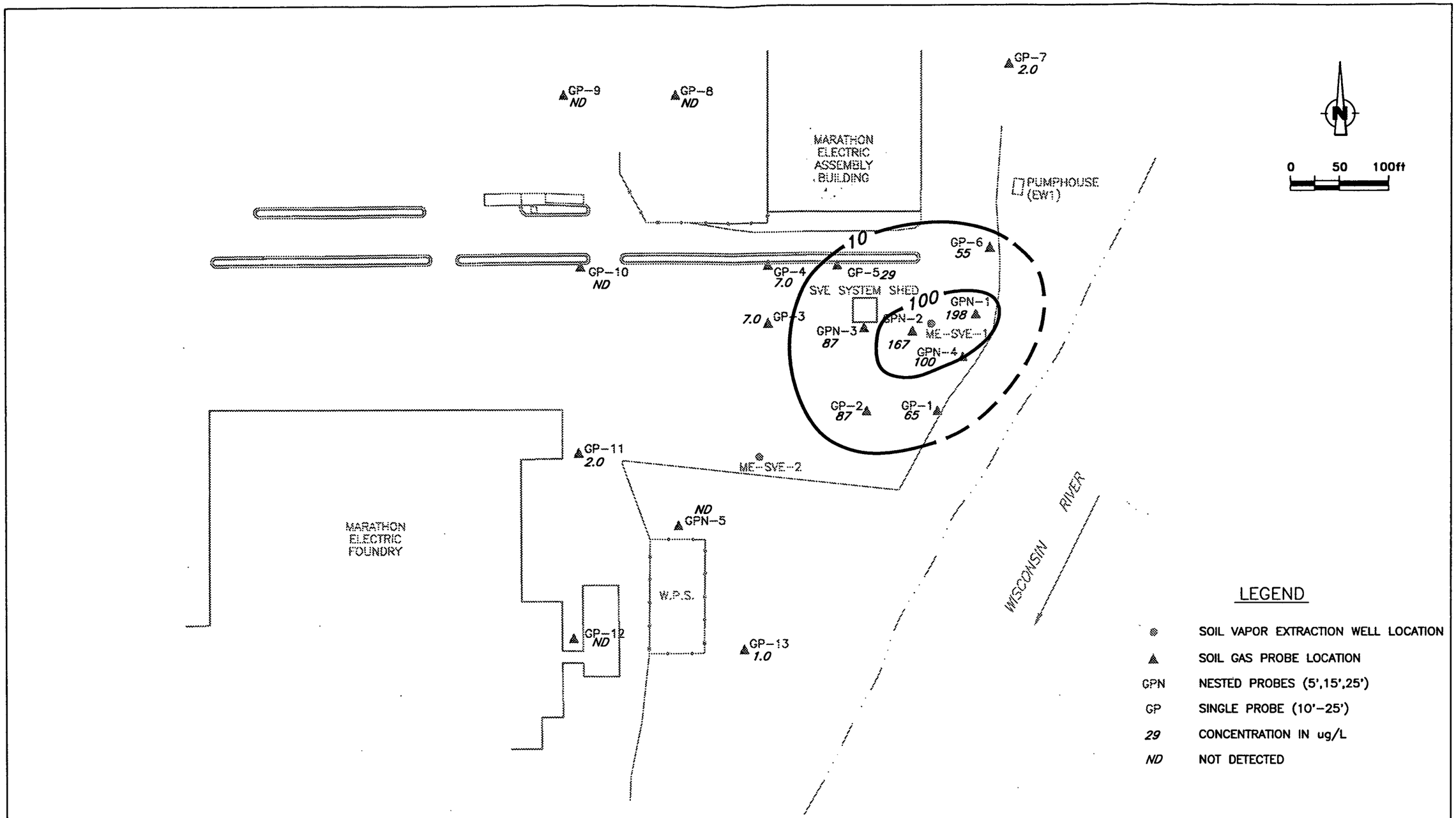


figure 5.1
SOIL GAS TVOC CONTOURS-PRE-STARTUP (12-7-93)
WEST BANK
Wausau Water Supply NPL Site

CRA

3978(15)-OCT. 4/95-REV.0 (M-11)(MN)

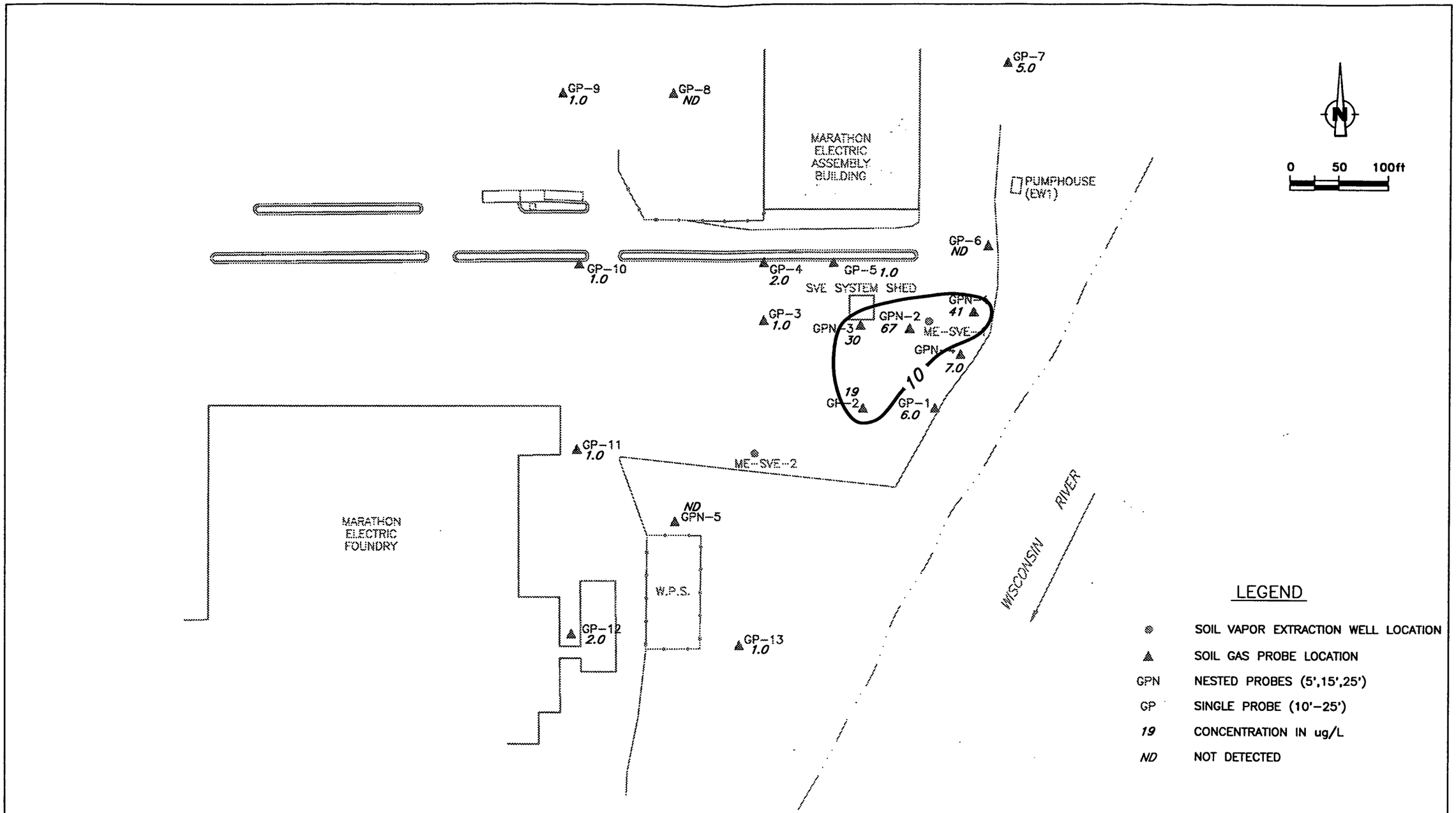


figure 5.2
SOIL GAS TVOC CONTOURS-QUARTER 3 (10-19-94)
WEST BANK
Wausau Water Supply NPL Site

CRA

3978(15)-OCT. 4/95-REV.0 (M-07)(MN)

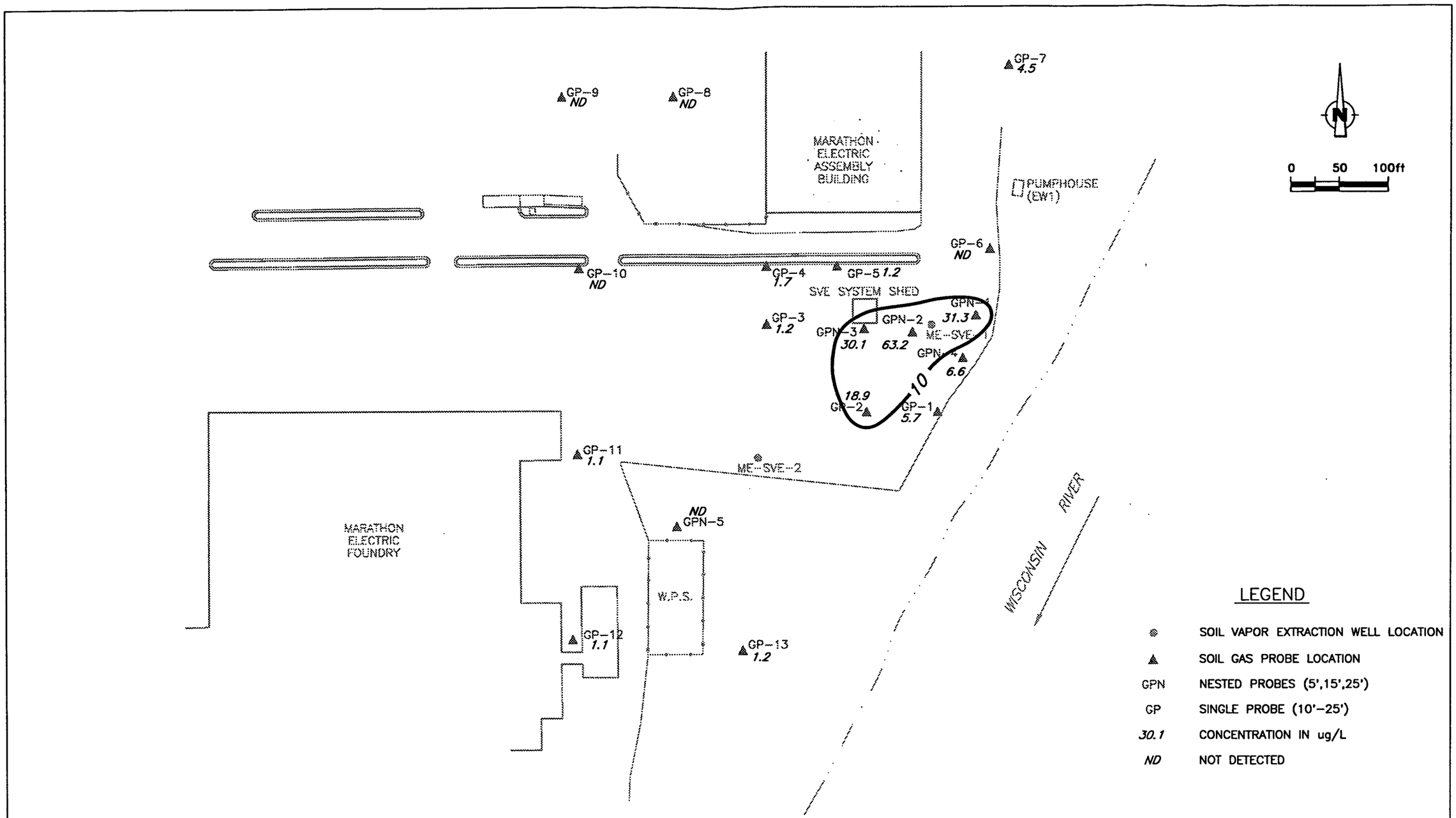


figure 5.3
SOIL GAS TCE CONTOURS-QUARTER 3 (10-19-94)
WEST BANK
Wausau Water Supply NPL Site

CRA

3978(15)-OCT. 4/95-REV.0 (M-09)(MN)

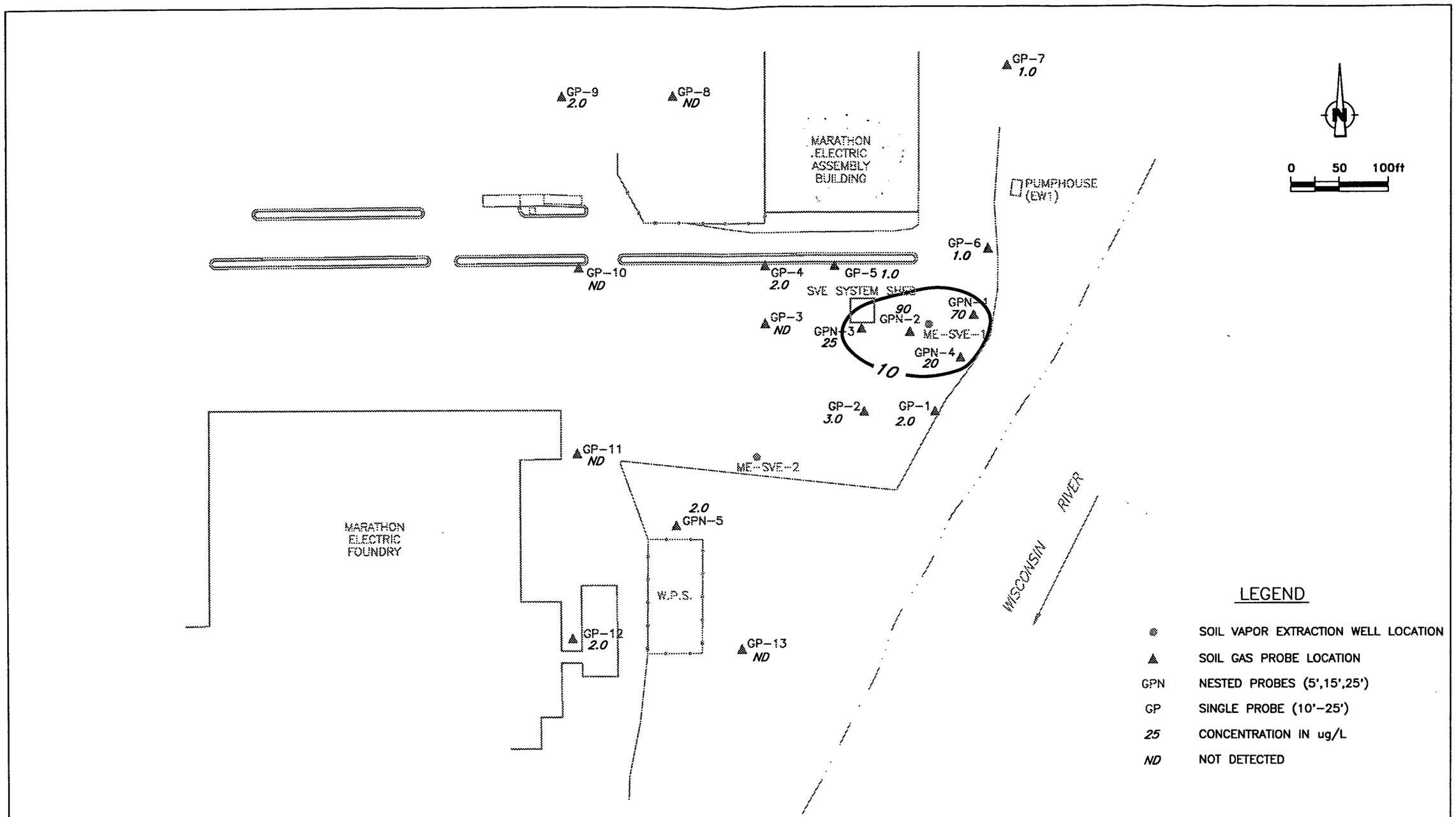


figure 5.4
SOIL GAS TVOC CONTOURS-QUARTER 6 (7-18-95)
WEST BANK
Wausau Water Supply NPL Site

CRA

3978(15)-OCT. 4/95-REV.0 (M-03)(MN)

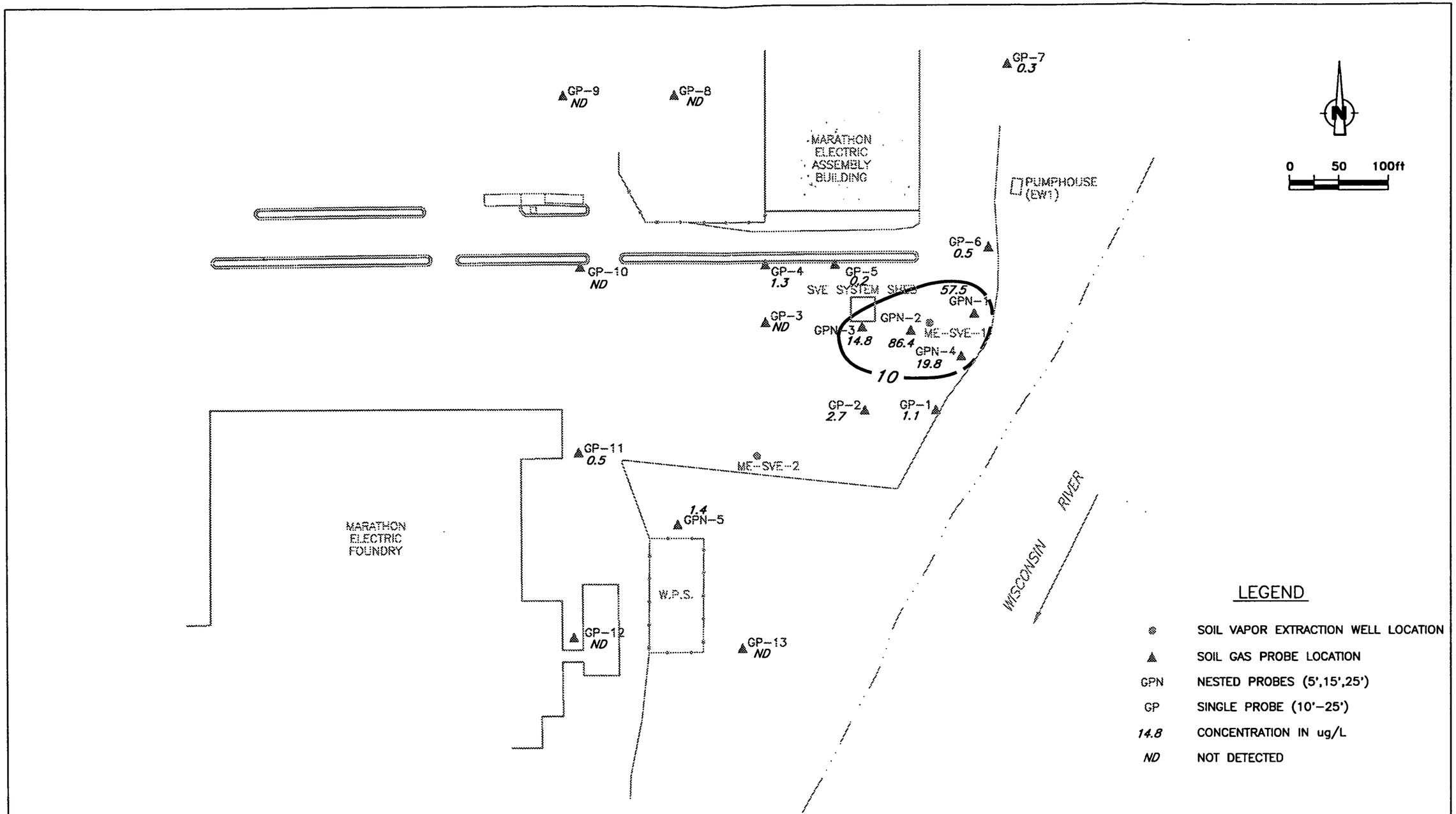


figure 5.5
SOIL GAS TCE CONTOURS-QUARTER 6 (7-18-95)
WEST BANK
Wausau Water Supply NPL Site

CRA

3978(15)-OCT. 4/95-REV.0 (M-01)(MN)

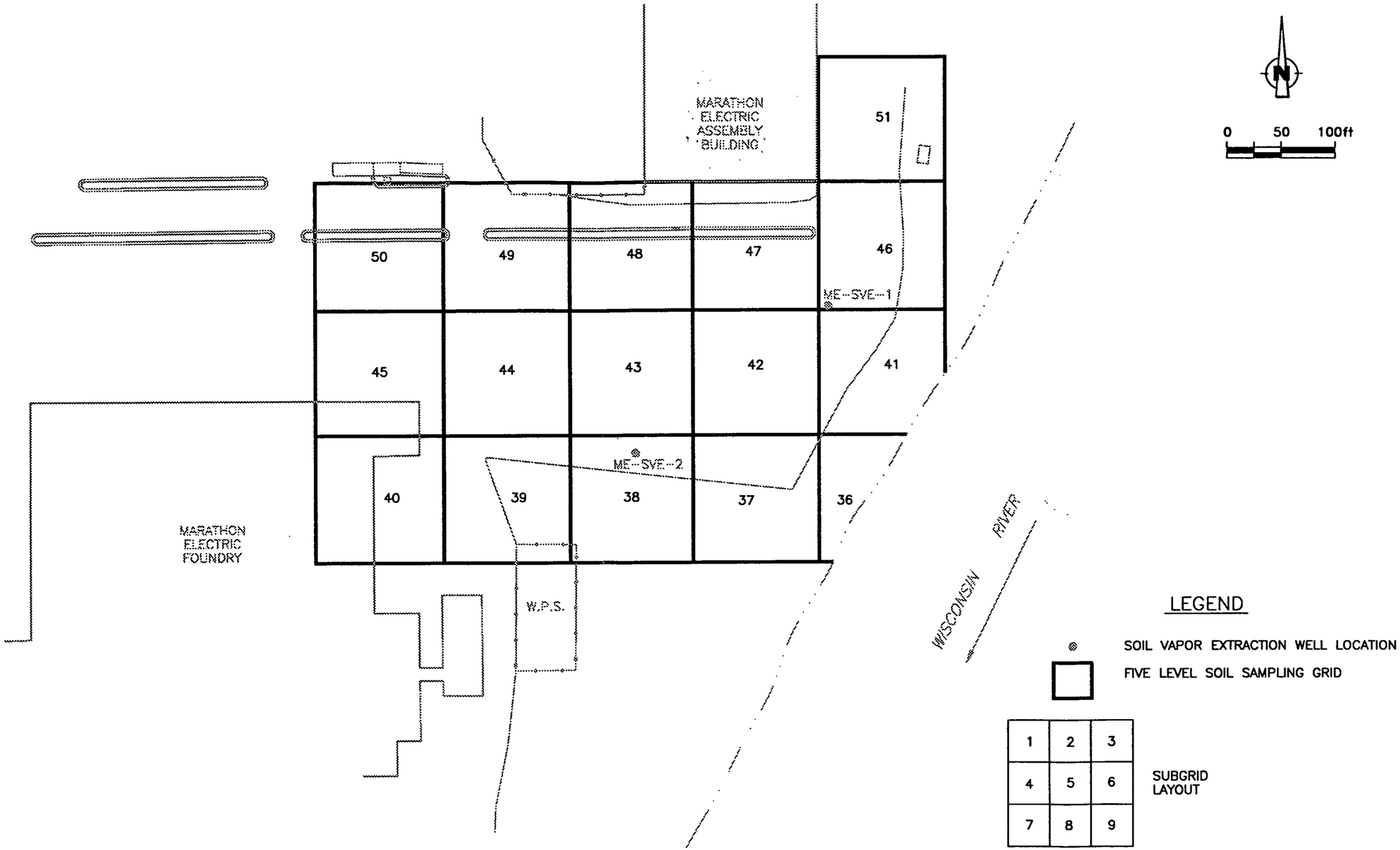


figure 5.6
SOIL SAMPLING GRID
WEST BANK
Wausau Water Supply NPL Site

CRA

3978(15)–OCT. 4/95–REV.0 (M–05)(MN)

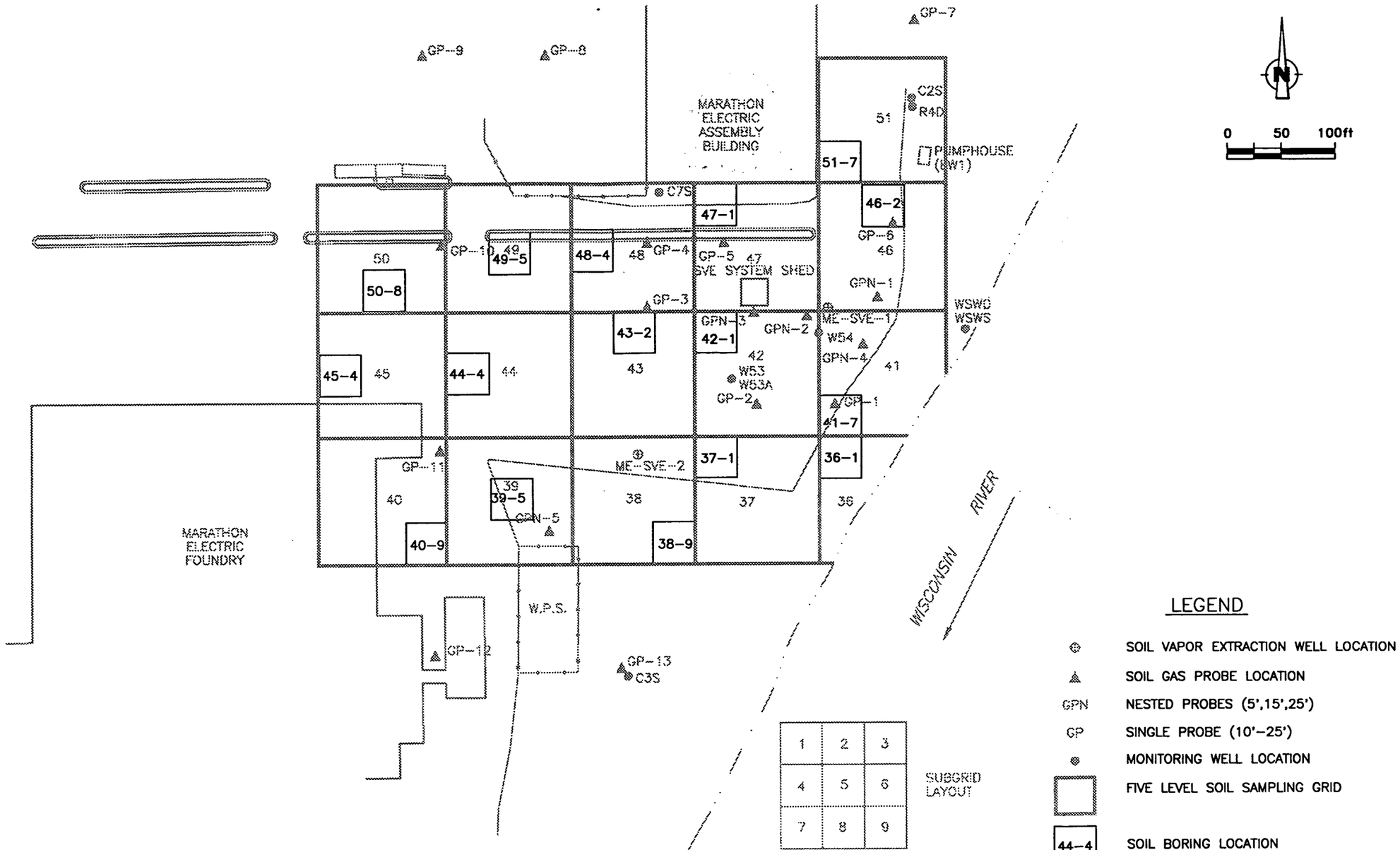


figure 5.7

SOIL SAMPLING LOCATIONS (12/12-12/30/93)

WEST BANK

Wausau Water Supply NPL Site

CRA

3978(15)-OCT. 4/95-REV.0 (M-17)(MN)

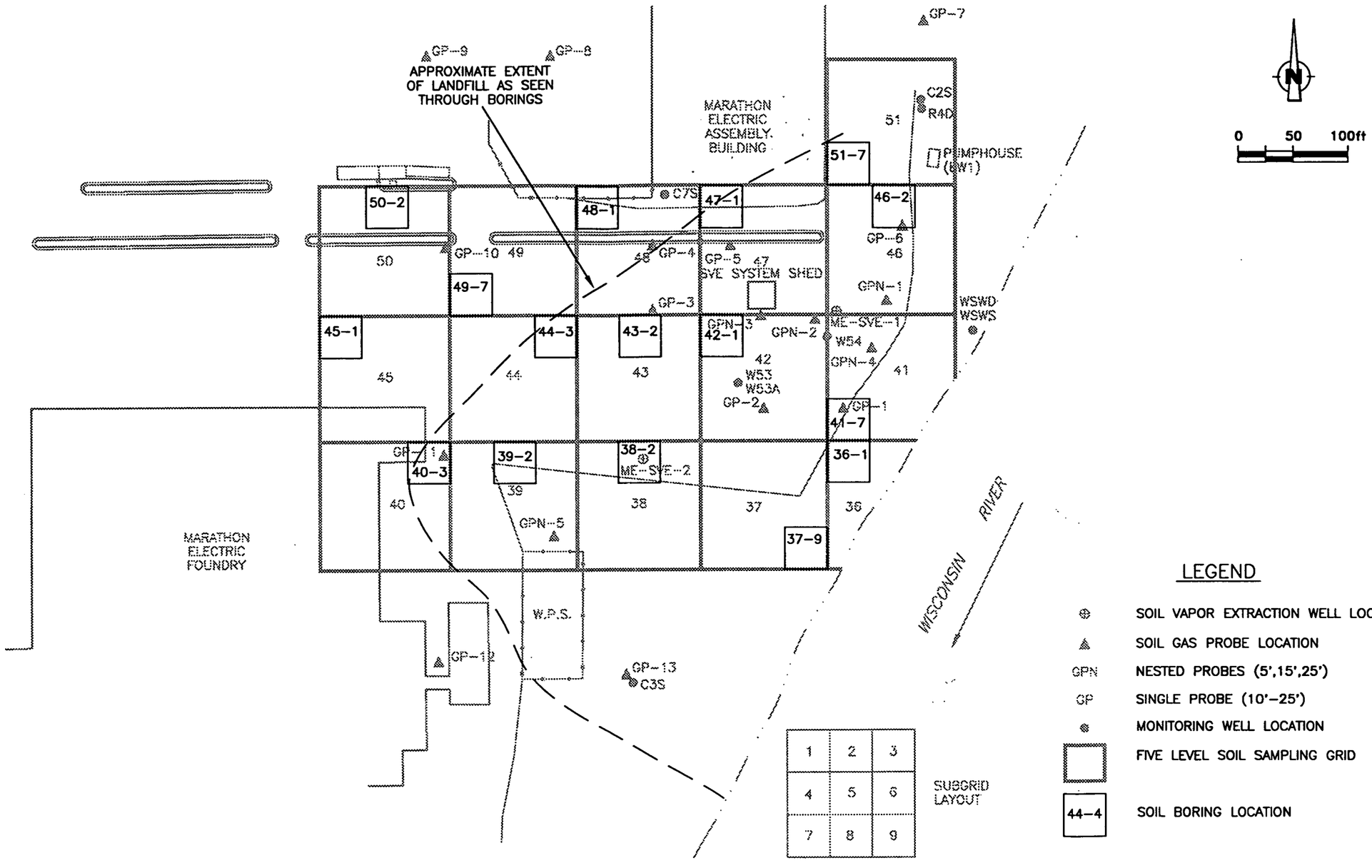
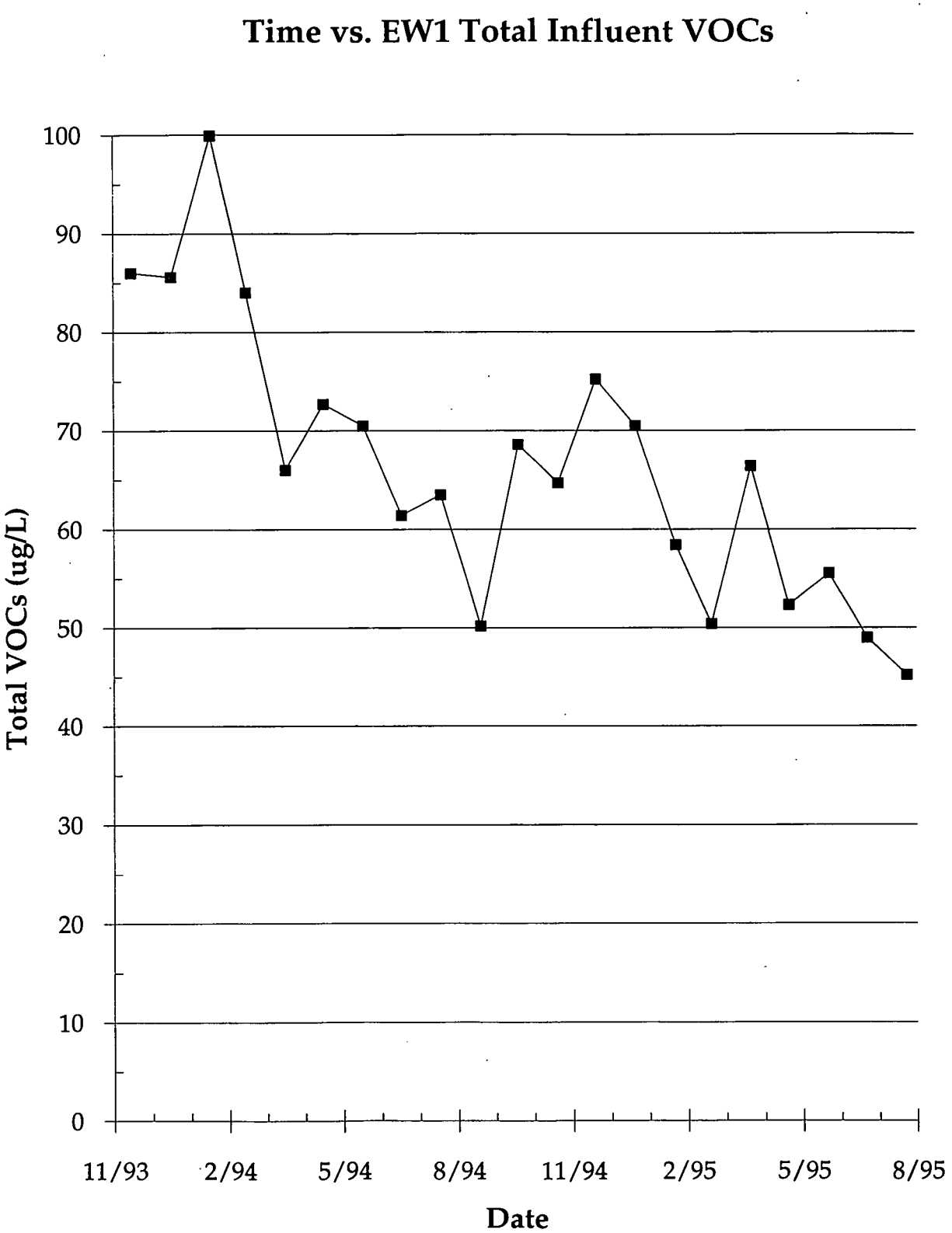


figure 5.8
SOIL SAMPLING LOCATIONS (7/12-7/19/95)
WEST BANK
Wausau Water Supply NPL Site

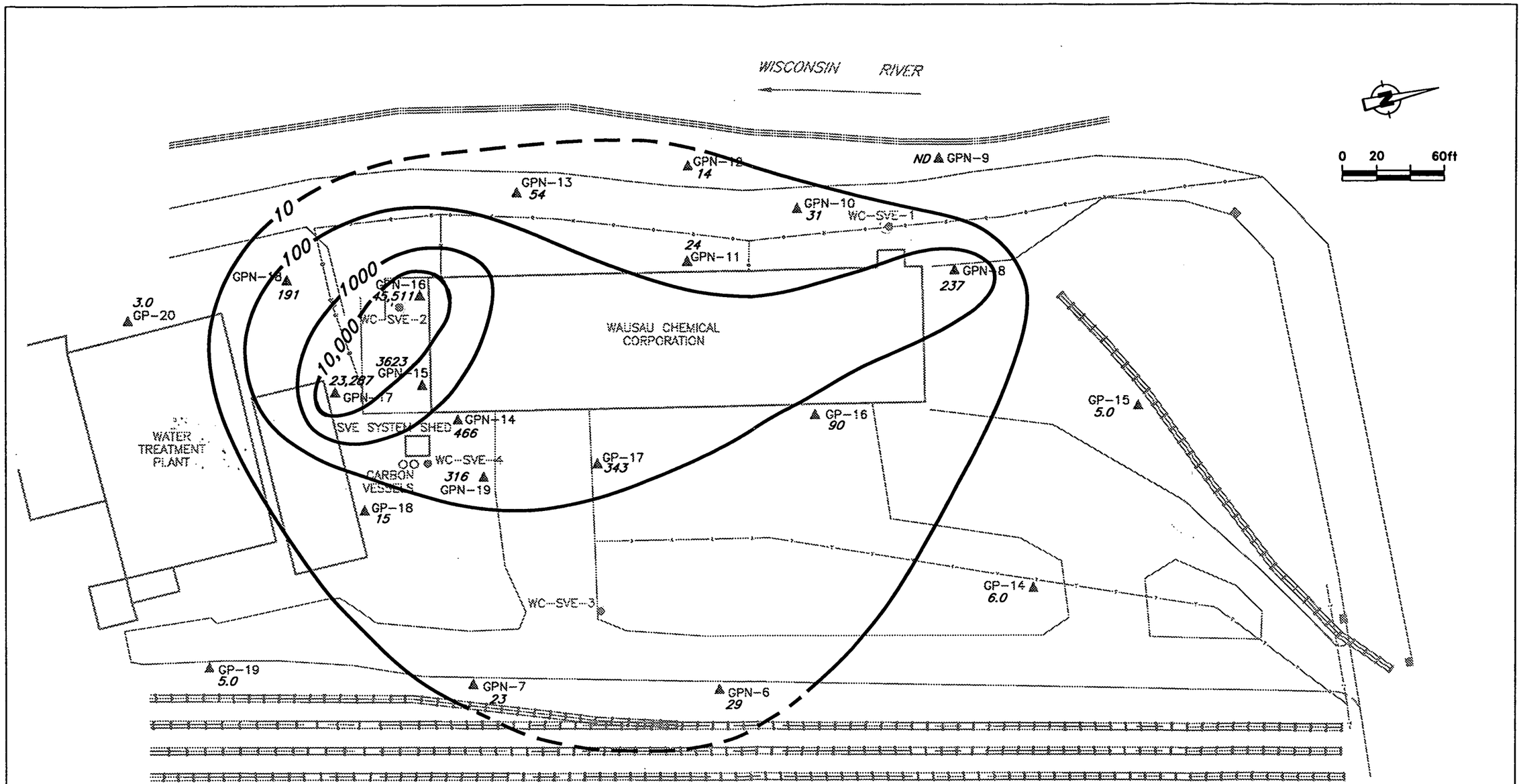
CRA

3978(15)-OCT. 4/95-REV.0 (M-13)(MN)



SVE System Started January 4, 1994

figure 5.9
EW1 VOC INFLUENT
Wausau Water Supply NPL Site



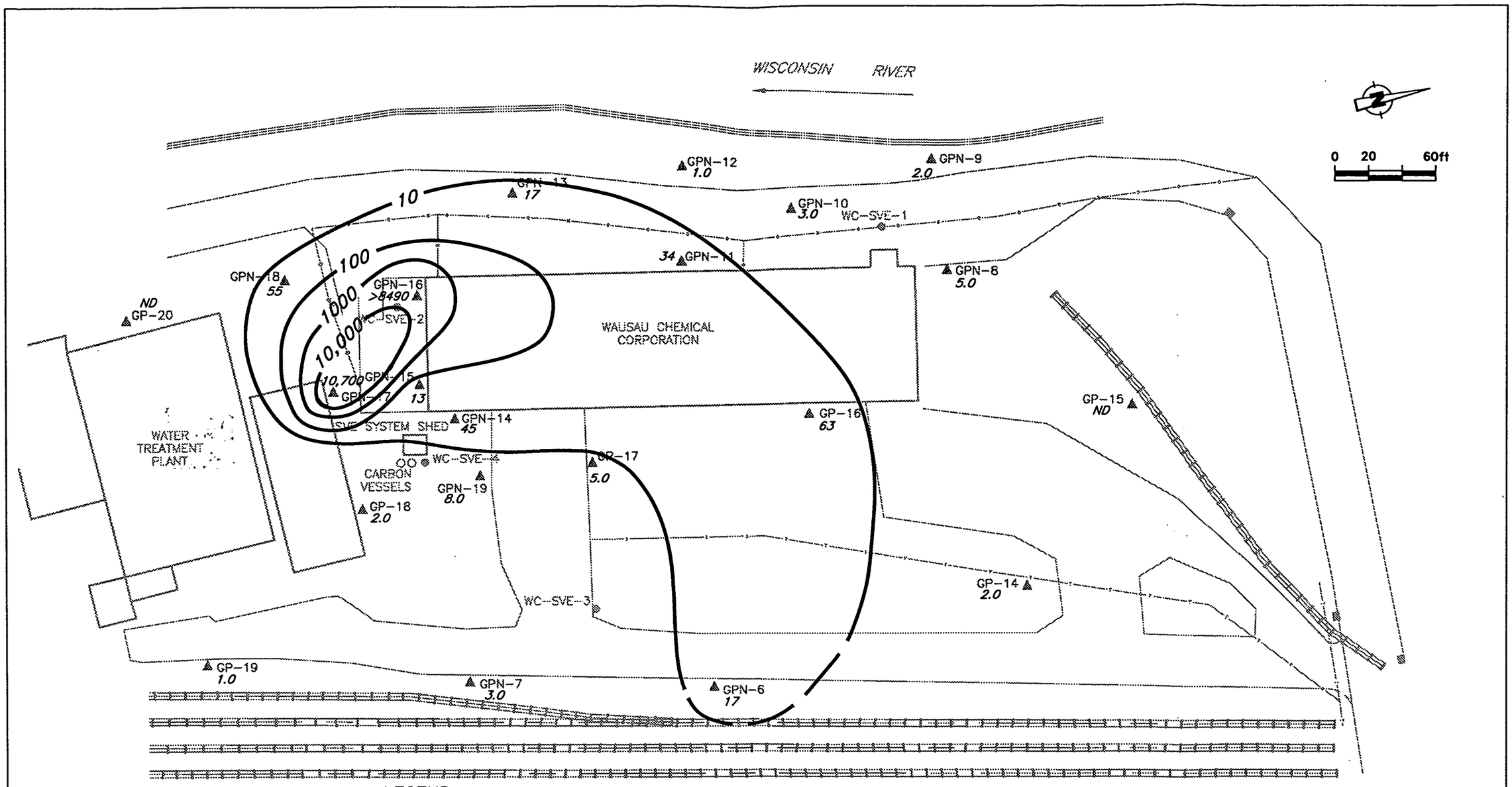
LEGEND

⊗	SOIL VAPOR EXTRACTION WELL LOCATION
▲	SOIL GAS PROBE LOCATION
GPN	NESTED PROBES (4',8') EXCEPT GPN-15 & GPN-16 (4',8',11')
GP	SINGLE PROBE (2'-12')
3623	CONCENTRATION IN ug/L
ND	NOT DETECTED

CRA

3978(15)-OCT. 4/95-REV.0 (M-12)(MN)

figure 6.1
SOIL GAS TVOC CONTOURS-PRE-STARTUP (12-10-93)
EAST BANK
Wausau Water Supply NPL Site



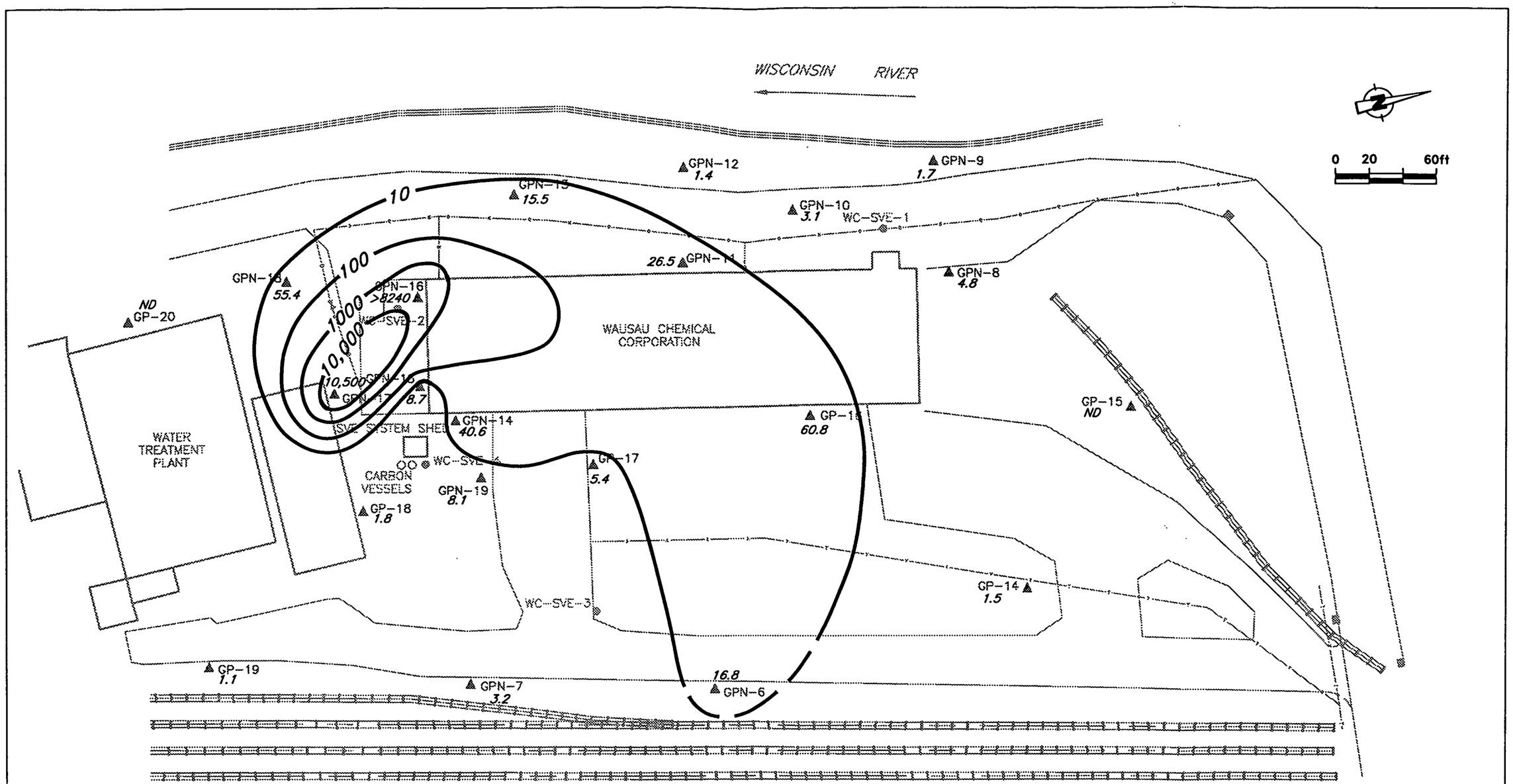
LEGEND

⊗	SOIL VAPOR EXTRACTION WELL LOCATION
▲	SOIL GAS PROBE LOCATION
GPN	NESTED PROBES (4',8') EXCEPT GPN-15 & GPN-16 (4',8',11')
GP	SINGLE PROBE (2'-12')
13	CONCENTRATION IN ug/L
ND	NOT DETECTED

CRA

figure 6.2
SOIL GAS TVOC CONTOURS-QUARTER 3 (10-19-94)
EAST BANK
Wausau Water Supply NPL Site

3978(15)-OCT. 4/95-REV.0 (M-08)(MN)



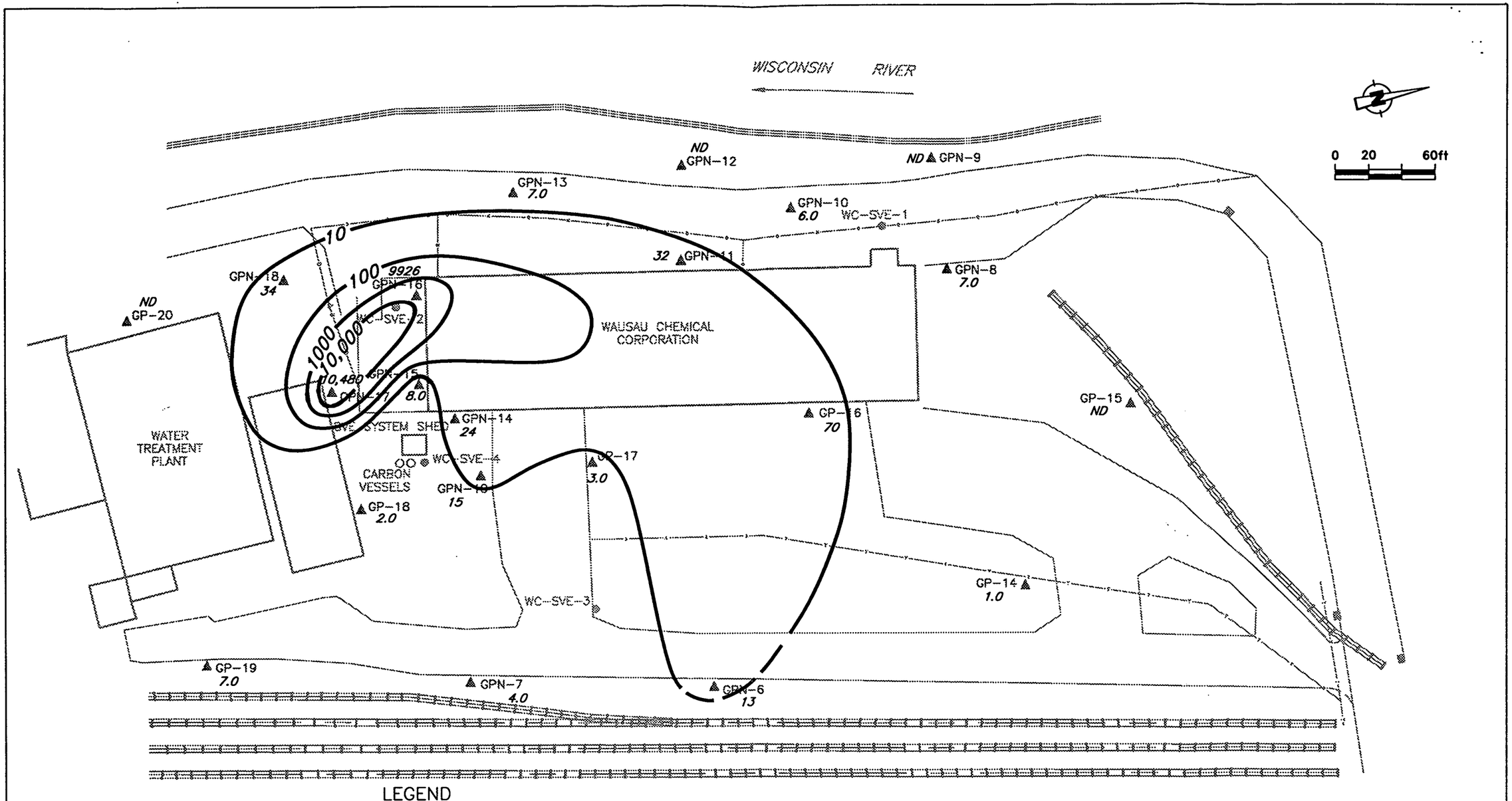
LEGEND

◉	SOIL VAPOR EXTRACTION WELL LOCATION
▲	SOIL GAS PROBE LOCATION
GPN	NESTED PROBES (4',8') EXCEPT GPN-15 & GPN-16 (4',8',11')
GP	SINGLE PROBE (2'-12')
40.6	CONCENTRATION IN ug/L
ND	NOT DETECTED

figure 6.3
SOIL GAS PCE CONTOURS-QUARTER 3 (10-19-94)
EAST BANK
Wausau Water Supply NPL Site

CRA

3978(15)-OCT. 4/95-REV.0 (M-10)(MN)



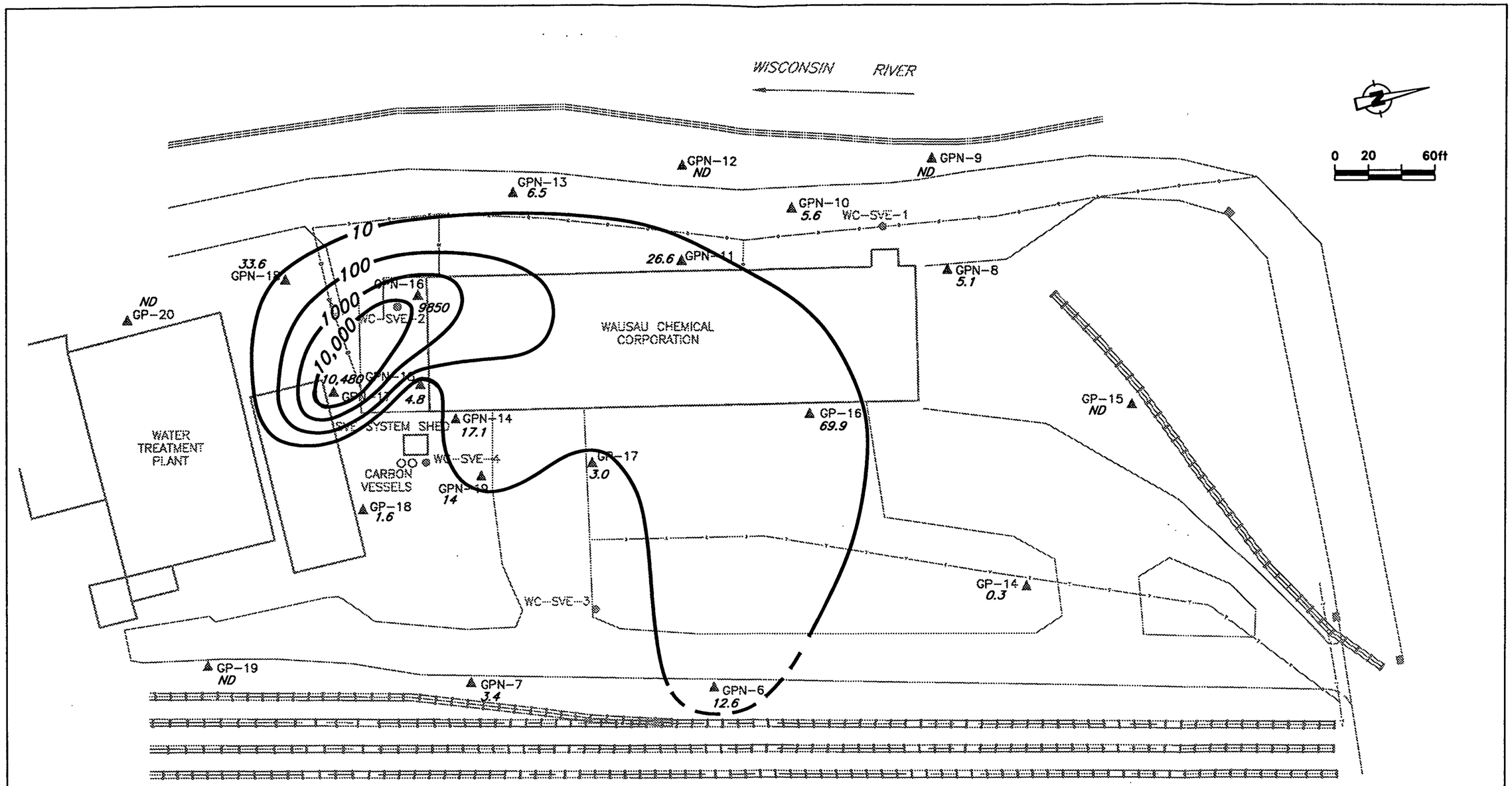
LEGEND

⊛	SOIL VAPOR EXTRACTION WELL LOCATION
▲	SOIL GAS PROBE LOCATION
GPN	NESTED PROBES (4',8') EXCEPT GPN-15 & GPN-16 (4',8',11')
GP	SINGLE PROBE (2'-12')
15	CONCENTRATION IN ug/L
ND	NOT DETECTED

figure 6.4
SOIL GAS TVOC CONTOURS-QUARTER 6 (7-18-95)
EAST BANK
Wausau Water Supply NPL Site

CRA

3978(15)-OCT. 4/95-REV.0 (M-04)(MN)



LEGEND

⊗	SOIL VAPOR EXTRACTION WELL LOCATION
▲	SOIL GAS PROBE LOCATION
GPN	NESTED PROBES (4',8') EXCEPT GPN-15 & GPN-16 (4',8',11')
GP	SINGLE PROBE (2'-12')
17.1	CONCENTRATION IN ug/L
ND	NOT DETECTED

figure 6.5
SOIL GAS PCE CONTOURS-QUARTER 6 (7-21-95)
EAST BANK
Wausau Water Supply NPL Site

CRA

3978(15)-OCT. 4/95-REV.0 (M-02)(MN)

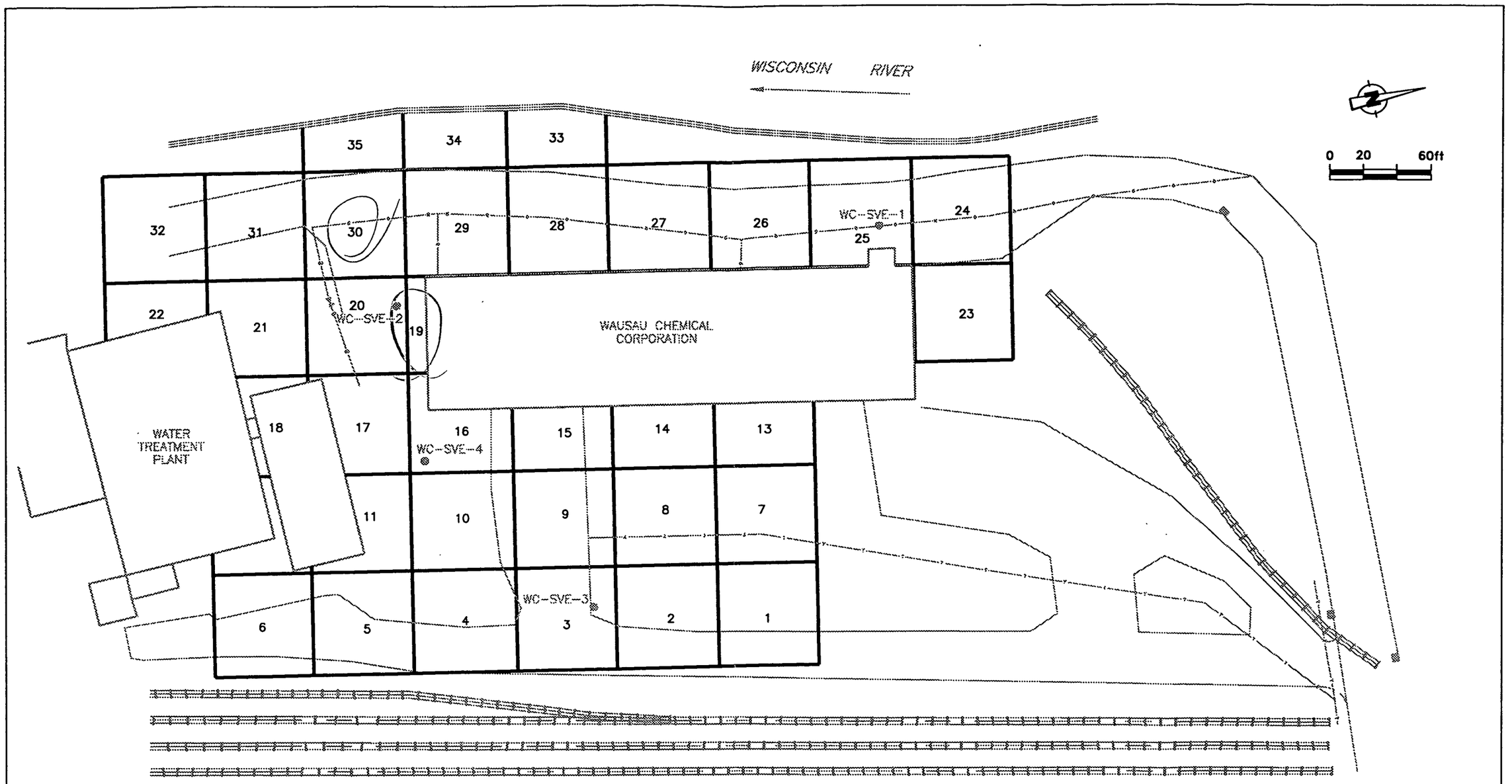


figure 6.6
SOIL SAMPLING GRID
EAST BANK
Wausau Water Supply NPL Site

CRA

3978(15)–OCT. 4/95–REV.0 (M–06)(MN)

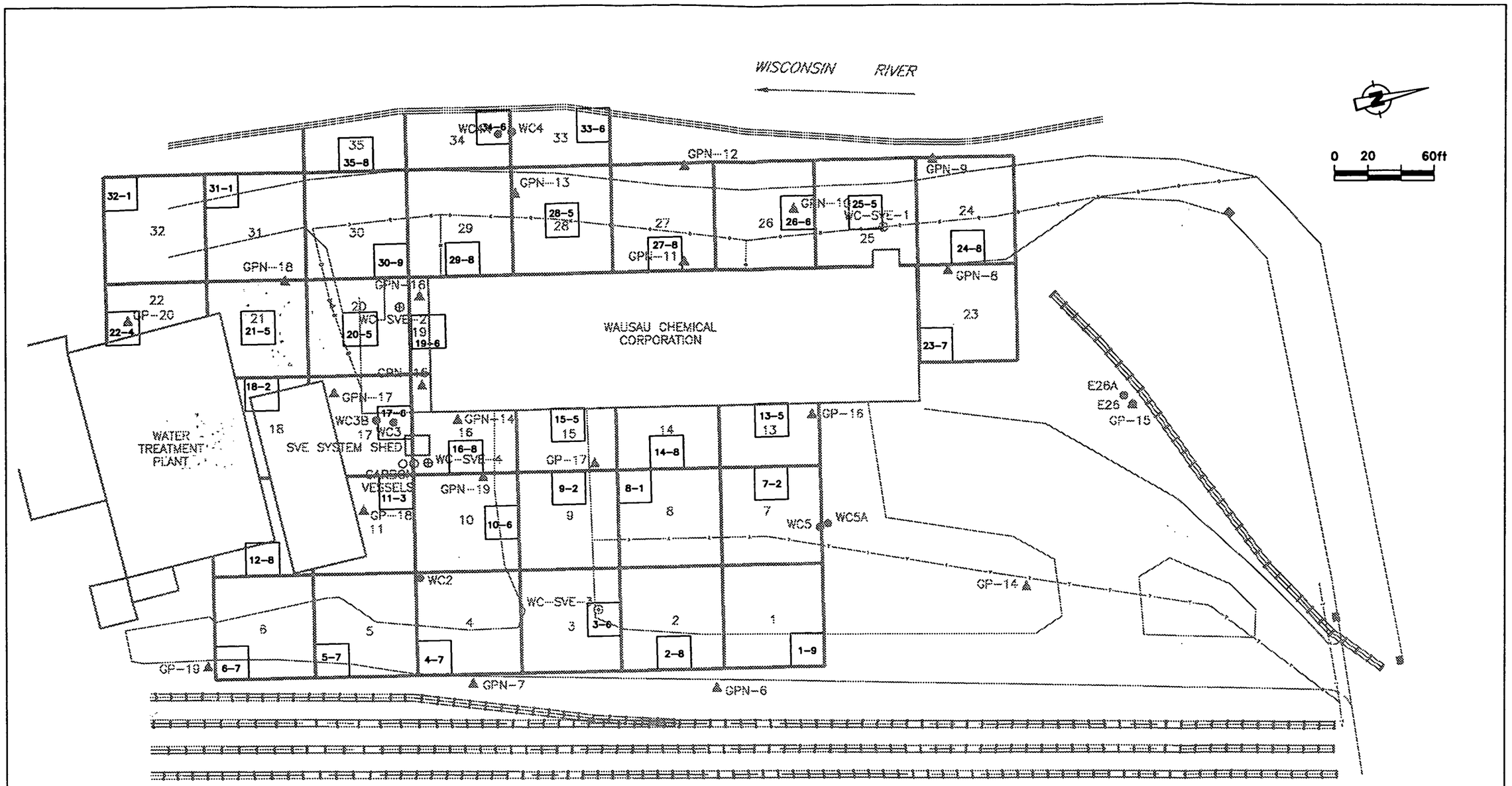


figure 6.7

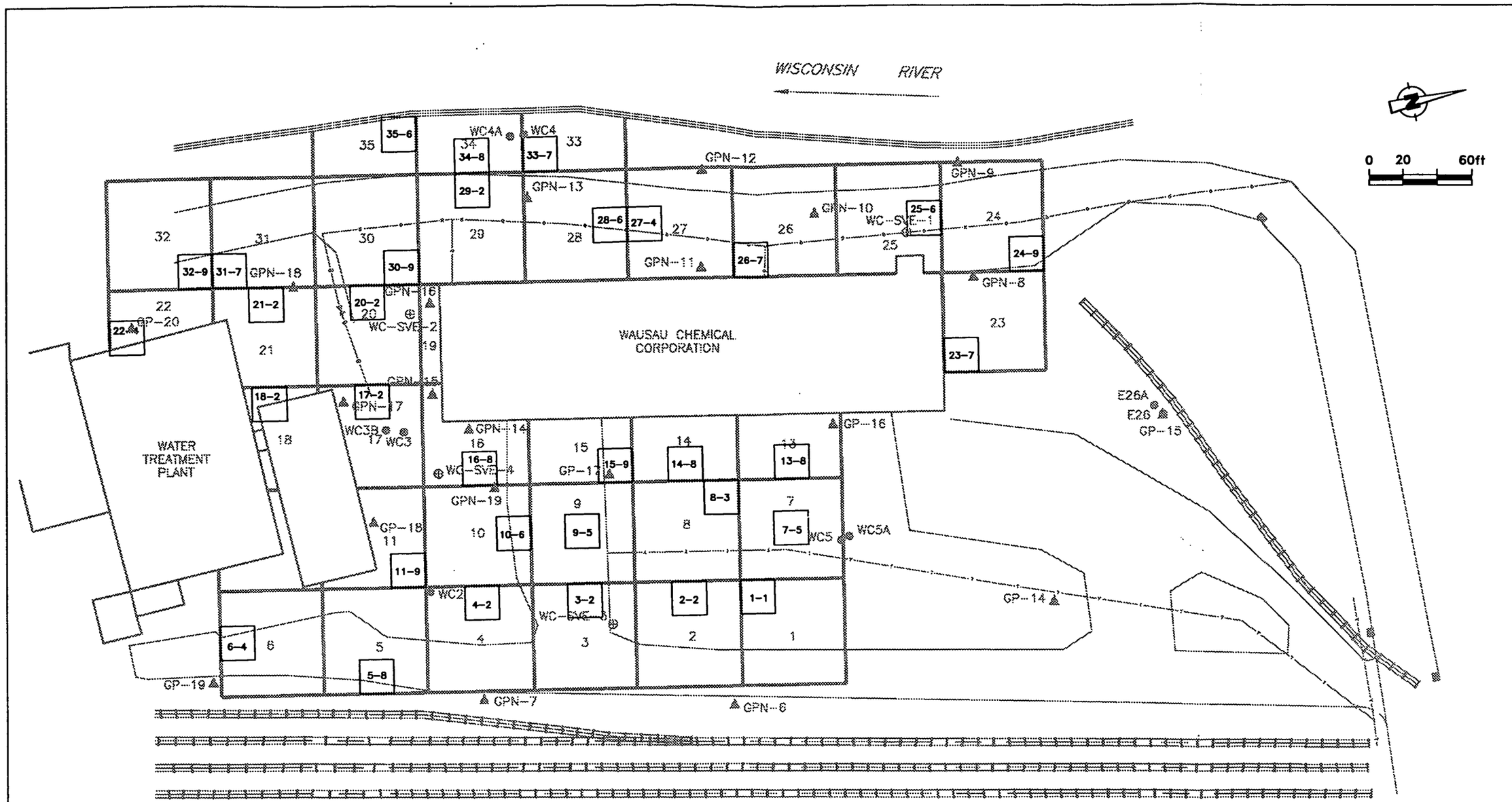
SOIL SAMPLING LOCATIONS (12/12-12/30/93)

EAST BANK

Wausau Water Supply NPL Site

CRA

3978(15)-OCT. 4/95-REV.0 (M-18)(MN)



LEGEND

- ⊕ SOIL VAPOR EXTRACTION WELL LOCATION
- ▲ SOIL GAS PROBE LOCATION
- GPN NESTED PROBES (4',8') EXCEPT GPN–15 & GPN–16 (4',8',11')
- GP SINGLE PROBE (2'–12')
- ◉ MONITORING WELL LOCATION
- ▢ TWO LEVEL SOIL SAMPLING GRID
- 15-8 SOIL BORING LOCATION

1	2	3
4	5	6
7	8	9

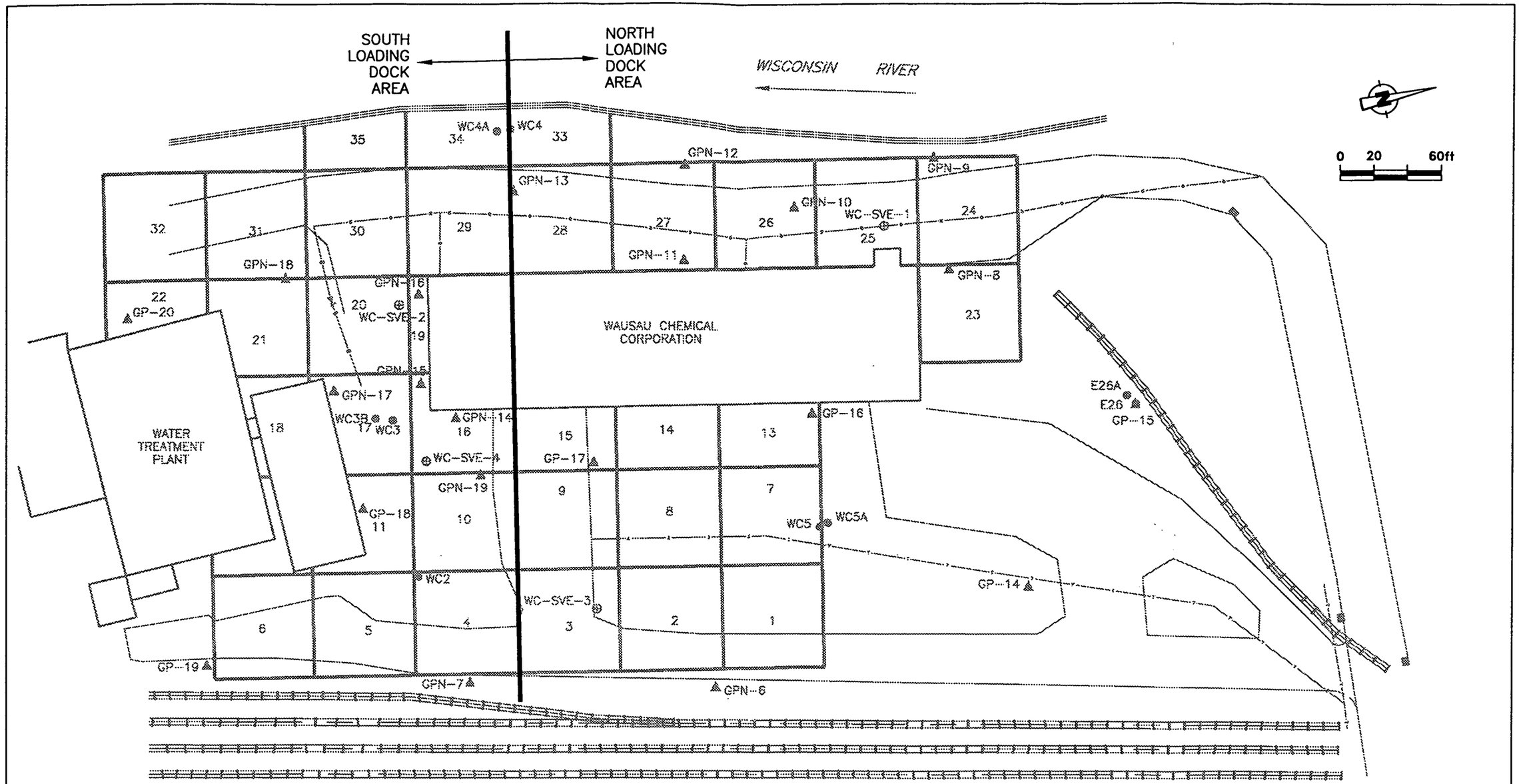
SUBGRID LAYOUT

CRA

3978(15)–OCT. 4/95–REV.0 (M–14)(MN)

figure 6.8

SOIL SAMPLING LOCATIONS (8/7–8/11/95)
EAST BANK
Wausau Water Supply NPL Site



LEGEND

- SOIL VAPOR EXTRACTION WELL LOCATION
- SOIL GAS PROBE LOCATION
- GPN NESTED PROBES (4',8') EXCEPT GPN-15 & GPN-16 (4',8',11')
- GP SINGLE PROBE (2'-12')
- MONITORING WELL LOCATION

TWO LEVEL SOIL SAMPLING GRID

1	2	3
4	5	6
7	8	9

SUBGRID LAYOUT

figure 6.9

NORTH/SOUTH DIVISION OF EAST BANK

Wausau Water Supply NPL Site

CRA

3978(15)-OCT. 4/95-REV.0 (M-19)(MN)

TABLE 3.1

SITE VOC SOIL CLEANUP LEVELS
WAUSAU WATER SUPPLY NPL SITE

Volatile Organics	*Soil VOC Cleanup Level (ug/Kg)*
Acetone	20
Benzene	5
Carbon tetrachloride	5
Chloroform	5
1,1-Dichloroethene	5
cis-1,2-Dichloroethene	12
Ethylbenzene	331
Methylene chloride	10
Tetrachloroethene	10
Toluene	28
1,1,2-Trichloroethane	10
Trichloroethene	10
Vinyl chloride	5
Xylenes	44

TABLE 5.1

SOIL DATA
WAUSAU WATER SUPPLY NPL SITE
WEST BANK - PRE STARTUP - 1993

Grid	Sub-Grid	Depth	Date	Dup	1,1,1-Trichloroethane ug/Kg	1,1,2-Trichloroethane ug/Kg	1,1,2-Trichlorotrifluoroethane ug/Kg	1,1-Dichloroethane ug/Kg	1,1-Dichloroethene ug/Kg	Acetone ug/Kg	Benzene ug/Kg	Carbon tetrachloride ug/Kg	Chlorobenzene ug/Kg	Chloroform ug/Kg
36	1	21	12/20/93		< 11	< 11	< 11	< 11	< 11	1200	< 11	< 11	< 11	< 11
36	1	28	12/20/93		< 12	< 12	< 12	< 12	< 12	2400	< 12	< 12	< 12	< 12
36	1	7	12/20/93		< 11	< 11	< 11	< 11	< 11	1300	< 11	< 11	< 11	< 11
37	1	21	12/22/93		< 13	< 13	< 13	< 13	< 13	520 J	< 13	< 13	< 13	< 13
37	1	7	12/22/93		< 13	< 13	< 13	< 13	< 13	35000 J	< 13	< 13	< 13	< 13
38	9	14	12/22/93		< 30	< 30	< 30	< 30	< 30	125000 J	< 30	< 30	< 30	< 30
38	9	7	12/22/93		< 10	< 10	< 10	< 10	< 10	11000 J	< 10	< 10	< 10	< 10
39	5	14	12/22/93		< 13	< 13	< 13	< 13	< 13	3200 J	< 13	< 13	< 13	< 13
39	5	21	12/22/93		< 8	< 8	< 8	< 8	< 8	5600	< 8	< 8	< 8	< 8
39	5	7	12/22/93		< 28	< 28	< 28	< 28	< 28	7100 J	< 28	< 28	< 28	< 28
40	9	21	12/29/93		< 11	< 11	< 11	< 11	< 11	6400	< 11	< 11	< 11	< 11
40	9	28	12/29/93		< 10	< 10	< 10	< 10	< 10	2200	< 10	< 10	< 10	< 10
40	9	7	12/29/93		< 10	< 10	< 10	< 10	< 10	680	< 10	< 10	< 10	< 10
41	7	21	12/20/93		< 10	< 10	< 10	< 10	< 10	880	< 10	< 10	< 10	< 10
41	7	28	12/20/93		< 11	< 11	< 11	< 11	6 J	36900 J	< 11	< 11	< 11	< 11
41	7	28	12/20/93	D	< 10	< 10	< 10	< 10	< 10	850 J	< 10	< 10	< 10	< 10
42	1	14	12/21/93		< 7	< 7	< 7	< 7	< 7	1100	< 7	< 7	< 7	< 7
42	1	21	12/21/93		< 6	< 6	< 6	< 6	< 6	440 J	< 6	< 6	< 6	< 6
42	1	21	12/21/93	D	< 6	< 6	< 6	< 6	< 6	2700 J	< 6	< 6	< 6	< 6
42	1	7	12/21/93		< 29	< 29	< 29	< 29	< 29	1800 J	< 29	< 29	< 29	< 29
43	2	14	12/29/93		< 11	< 11	< 11	< 11	< 11	< 109	< 11	< 11	< 11	< 11

TABLE 5.1

SOIL DATA
WAUSAU WATER SUPPLY NPL SITE
WEST BANK - PRE STARTUP - 1993

Grid	Sub-Grid	Depth	Date	Dup	1,1,1-Trichloroethane ug/Kg	1,1,2-Trichloroethane ug/Kg	1,1,2-Trichlorotrifluoroethane ug/Kg	1,1-Dichloroethane ug/Kg	1,1-Dichloroethene ug/Kg	Acetone ug/Kg	Benzene ug/Kg	Carbon tetrachloride ug/Kg	Chlorobenzene ug/Kg	Chloroform ug/Kg
43	2	21	12/29/93		< 10	< 10	< 10	< 10	< 10	130	< 10	< 10	< 10	< 10
43	2	28	12/29/93		< 10	< 10	< 10	< 10	< 10	120	< 10	< 10	< 10	< 10
43	2	7	12/29/93		< 11	< 11	< 11	< 11	< 11	130	< 11	< 11	< 11	< 11
44	4	14	12/29/93		< 12	< 12	< 12	< 12	< 12	1800	< 12	< 12	< 12	< 12
44	4	21	12/29/93		< 11	< 11	< 11	< 11	< 11	1100	< 11	< 11	< 11	< 11
44	4	28	12/29/93		< 10	< 10	< 10	< 10	< 10	900	< 10	< 10	< 10	< 10
44	4	7	12/29/93		< 12	< 12	< 12	< 12	< 12	< 124	< 12	< 12	< 12	< 12
45	4	14	12/30/93		< 11	< 11	< 11	< 11	< 11	490	< 11	< 11	< 11	< 11
45	4	21	12/30/93		< 10	< 10	< 10	< 10	< 10	530	< 10	< 10	< 10	< 10
45	4	28	12/30/93		< 10	< 10	< 10	< 10	< 10	410	< 10	< 10	< 10	< 10
46	2	14	12/20/93		< 11	< 11	< 11	< 11	< 11	510	< 11	< 11	< 11	< 11
46	2	21	12/20/93		< 10	< 10	< 10	< 10	< 10	1100	< 10	< 10	< 10	< 10
46	2	28	12/20/93		< 10	< 10	< 10	< 10	< 10	1700	< 10	< 10	< 10	< 10
46	2	7	12/20/93		< 13	< 13	< 13	< 13	< 13	3800	< 13	< 13	< 13	< 13
47	1	14	12/21/93		< 10	< 10	< 10	< 10	< 10	190	< 10	< 10	< 10	< 10
47	1	21	12/21/93		< 11	< 11	< 11	< 11	< 11	1500 J	< 11	< 11	< 11	< 11
47	1	28	12/21/93		< 10	< 10	< 10	< 10	< 10	260	< 10	< 10	< 10	< 10
47	1	7	12/21/93		< 10	< 10	< 10	< 10	< 10	620	< 10	< 10	< 10	< 10
47	1	7	12/21/93	D	< 10	< 10	< 10	< 10	< 10	1200	< 10	< 10	< 10	< 10
48	4	14	12/28/93		< 10	< 10	< 10	< 10	< 10	700	< 10	< 10	< 10	< 10
48	4	7	12/28/93		< 11	< 11	< 11	< 11	< 11	500	< 11	< 11	< 11	< 11

TABLE 5.1

SOIL DATA
WAUSAU WATER SUPPLY NPL SITE
WEST BANK - PRE STARTUP - 1993

Grid	Sub-Grid	Depth	Date	Dup	1,1,1-Trichloroethane ug/Kg	1,1,2-Trichloroethane ug/Kg	1,1,2-Trichlorotrifluoroethane ug/Kg	1,1-Dichloroethane ug/Kg	1,1-Dichloroethene ug/Kg	Acetone ug/Kg	Benzene ug/Kg	Carbon tetrachloride ug/Kg	Chlorobenzene ug/Kg	Chloroform ug/Kg
49	5	14	12/28/93		< 10	< 10	< 10	< 10	< 10	2500	< 10	< 10	< 10	< 10
49	5	21	12/28/93		< 10	< 10	< 10	< 10	< 10	1500	< 10	< 10	< 10	< 10
49	5	28	12/28/93		< 10	< 10	< 10	< 10	< 10	2800	< 10	< 10	< 10	< 10
49	5	7	12/28/93		< 11	< 11	< 11	< 11	< 11	< 290 U	< 11	< 11	< 11	< 11
50	8	14	12/30/93		< 11	< 11	< 11	< 11	< 11	280 J	< 11	< 11	< 11	< 11
50	8	14	12/30/93	D	< 11	< 11	< 11	< 11	< 11	890 J	< 11	< 11	< 11	< 11
50	8	28	12/30/93		< 11	< 11	< 11	< 11	< 11	300	< 11	< 11	< 11	< 11
50	8	7	12/30/93		< 12	< 12	< 12	< 12	< 12	600	< 12	< 12	< 12	< 12
50	8	7	12/30/93	D	< 11	< 11	< 11	< 11	< 11	230	< 11	< 11	< 11	< 11
51	7	14	12/21/93		< 11	< 11	< 11	< 11	< 11	2500 J	< 11	< 11	< 11	< 11
51	7	14	12/21/93	D	< 10	< 10	< 10	< 10	< 10	430 J	< 10	< 10	< 10	< 10
51	7	28	12/21/93		< 11	< 11	< 11	< 11	< 11	1000 J	< 11	< 11	< 11	< 11
51	7	28	12/21/93	D	< 10	< 10	< 10	< 10	< 10	190 J	< 10	< 10	< 10	< 10
51	7	7	12/21/93		< 11	< 11	< 11	< 11	< 11	340	< 11	< 11	< 11	< 11

TABLE 5.1

SOIL DATA
WAUSAU WATER SUPPLY NPL SITE
WEST BANK - PRE STARTUP - 1993

Grid	Sub-Grid	Depth	Date	Dup	Chloromethane ug/Kg	cis-1,2-Dichloroethene ug/Kg	Ethylbenzene ug/Kg	m/p-Xylene ug/Kg	Methyl ethyl ketone ug/Kg	Methyl isobutyl ketone ug/Kg	Methylene chloride ug/Kg	o-Xylene ug/Kg	Tetrachloroethene ug/Kg
36	1	21	12/20/93		< 11	< 11	< 11	< 11	< 114	< 114	85 J	< 11	9 J
36	1	28	12/20/93		< 12	< 12	< 12	< 12	< 124	< 124	25 J	< 12	20
36	1	7	12/20/93		< 11	< 11	< 11	< 11	< 113	< 113	23 J	< 11	8 J
37	1	21	12/22/93		< 13	< 13	< 13	7 J	< 132	< 132	26 J	< 13	< 13
37	1	7	12/22/93		< 13	< 13	< 13	< 13	< 128	< 128	26 J	< 13	51
38	9	14	12/22/93		< 30	270 J	< 30	24 J	< 303	< 303	< 270 UJ	< 30	110 J
38	9	7	12/22/93		< 10	8 J	< 10	< 10	< 105	< 105	< 21 UJ	< 10	39 J
39	5	14	12/22/93		< 13	< 13	< 13	< 13	< 131	< 131	26 J	< 13	7 J
39	5	21	12/22/93		< 8	< 8	< 8	< 8	< 82	< 82	< 39 UJ	< 8	< 8
39	5	7	12/22/93		< 28	< 28	< 28	< 28	< 275	< 275	100 J	< 28	110 J
40	9	21	12/29/93		< 11	< 11	< 11	< 11	< 109	< 109	140 J	< 11	9 J
40	9	28	12/29/93		< 10	< 10	< 10	< 10	< 105	< 105	21 J	< 10	< 10
40	9	7	12/29/93		< 10	< 10	< 10	< 10	< 104	< 104	< 21	< 10	13
41	7	21	12/20/93		< 10	< 10	< 10	< 10	< 102	< 102	< 20	< 10	< 10
41	7	28	12/20/93		< 11	24 J	< 11	< 11	5500 J	< 109	< 22	9 J	460 J
41	7	28	12/20/93	D	< 10	< 10	< 10	< 10	< 103	< 103	21 J	< 10	< 10
42	1	14	12/21/93		< 7	< 7	< 7	< 7	< 71	< 71	< 120 UJ	< 7	10
42	1	21	12/21/93		< 6	< 6	< 6	< 6	< 59	< 59	12 J	< 6	< 6 UJ
42	1	21	12/21/93	D	< 6	< 6	< 6	< 6	< 64	< 64	13 J	< 6	21 J
42	1	7	12/21/93		< 29	< 29	19 J	56 J	< 286	< 286	57 J	36 J	480 J
43	2	14	12/29/93		< 11	< 11	< 11	< 11	< 109	< 109	< 22	< 11	< 11

TABLE 5.1

SOIL DATA
WAUSAU WATER SUPPLY NPL SITE
WEST BANK - PRE STARTUP - 1993

Grid	Sub-Grid	Depth	Date	Dup	Chloromethane ug/Kg	cis-1,2-Dichloroethene ug/Kg	Ethylbenzene ug/Kg	m/p-Xylene ug/Kg	Methyl ethyl ketone ug/Kg	Methyl isobutyl ketone ug/Kg	Methylene chloride ug/Kg	o-Xylene ug/Kg	Tetrachloroethene ug/Kg
43	2	21	12/29/93		< 10	< 10	< 10	< 10	< 105	< 105	< 21	< 10	< 10
43	2	28	12/29/93		< 10	< 10	< 10	< 10	< 95	< 95	19 J	< 10	< 10
43	2	7	12/29/93		< 11	< 11	< 11	< 11	< 109	< 109	< 22	< 11	11
44	4	14	12/29/93		< 12	< 12	< 12	< 12	< 119	< 119	33 J	< 12	< 12
44	4	21	12/29/93		< 11	< 11	< 11	< 11	< 114	< 114	23 J	< 11	< 11
44	4	28	12/29/93		< 10	< 10	< 10	< 10	< 101	< 101	20 J	< 10	< 10
44	4	7	12/29/93		< 12	< 12	< 12	< 12	< 124	< 124	< 25	< 12	< 12
45	4	14	12/30/93		< 11	< 11	< 11	< 11	< 110	< 110	< 22	< 11	< 11
45	4	21	12/30/93		< 10	< 10	< 10	< 10	< 99	< 99	< 20	< 10	< 10
45	4	28	12/30/93		< 10	< 10	< 10	< 10	< 102	< 102	< 20	< 10	< 10
46	2	14	12/20/93		< 11	< 11	< 11	< 11	< 107	< 107	21 J	< 11	< 11
46	2	21	12/20/93		< 10	< 10	< 10	< 10	< 100	< 100	20 J	< 10	6 J
46	2	28	12/20/93		< 10	< 10	< 10	< 10	< 105	< 105	21 J	< 10	< 10
46	2	7	12/20/93		< 13	< 13	< 13	< 13	< 129	< 129	26 J	< 13	10 J
47	1	14	12/21/93		< 10	< 10	< 10	< 10	< 104	< 104	21 J	< 10	< 10
47	1	21	12/21/93		< 11	< 11	< 11	< 11	< 108	< 108	22 J	< 11	13
47	1	28	12/21/93		< 10	< 10	< 10	< 10	< 101	< 101	20 J	< 10	< 10
47	1	7	12/21/93		< 10	< 10	< 10	< 10	< 101	< 101	28 J	< 10	7 J
47	1	7	12/21/93	D	< 10	< 10	< 10	< 10	120	< 101	27 J	< 10	36 J
48	4	14	12/28/93		< 10	< 10	< 10	< 10	< 104	< 104	69 J	< 10	< 10
48	4	7	12/28/93		< 11	< 11	< 11	< 11	< 111	< 111	< 29 UJ	< 11	< 11

TABLE 5.1

SOIL DATA
WAUSAU WATER SUPPLY NPL SITE
WEST BANK - PRE STARTUP - 1993

Grid	Sub-Grid	Depth	Date	Dup	Chloromethane ug/Kg	cis-1,2-Dichloroethene ug/Kg	Ethylbenzene ug/Kg	m/p-Xylene ug/Kg	Methyl ethyl ketone ug/Kg	Methyl isobutyl ketone ug/Kg	Methylene chloride ug/Kg	o-Xylene ug/Kg	Tetrachloroethene ug/Kg
49	5	14	12/28/93		< 10	< 10	< 10	< 10	< 104	< 104	180 J	< 10	< 10
49	5	21	12/28/93		< 10	< 10	< 10	< 10	< 105	< 105	25 J	< 10	< 10
49	5	28	12/28/93		< 10	< 10	< 10	< 10	< 104	< 104	150 J	< 10	< 10
49	5	7	12/28/93		< 11	< 11	< 11	< 11	< 106	< 106	< 27 UJ	< 11	< 11
50	8	14	12/30/93		< 11	< 11	< 11	< 11	< 109	< 109	28 J	< 11	< 11
50	8	14	12/30/93	D	< 11	< 11	< 11	< 11	< 107	< 107	< 21	< 11	< 11
50	8	28	12/30/93		< 11	< 11	< 11	< 11	< 106	< 106	21 J	< 11	< 11
50	8	7	12/30/93		< 12	< 12	< 12	< 12	< 117	< 117	< 23	< 12	< 12
50	8	7	12/30/93	D	< 11	< 11	< 11	< 11	< 111	< 111	< 22	< 11	< 11
51	7	14	12/21/93		< 11	< 11	< 11	< 11	< 115	< 115	23 J	< 11	270 J
51	7	14	12/21/93	D	< 10	< 10	< 10	< 10	< 103	< 103	21 J	< 10	< 10 UJ
51	7	28	12/21/93		< 11	< 11	< 11	< 11	< 105	< 105	21 J	< 11	41 J
51	7	28	12/21/93	D	< 10	< 10	< 10	< 10	< 103	< 103	31 J	< 10	< 10 UJ
51	7	7	12/21/93		< 11	< 11	< 11	< 11	< 107	< 107	21 J	< 11	110

TABLE 5.1

SOIL DATA
WAUSAU WATER SUPPLY NPL SITE
WEST BANK - PRE STARTUP - 1993

Grid	Sub-Grid	Depth	Date	Dup	Toluene ug/Kg	trans-1,2-Dichloroethene ug/Kg	Trichloroethene ug/Kg	Vinyl chloride ug/Kg
36	1	21	12/20/93		< 11	< 11	6 J	< 11
36	1	28	12/20/93		< 12	< 12	130	< 12
36	1	7	12/20/93		< 11	< 11	6 J	< 11
37	1	21	12/22/93		9 J	< 13	< 13	< 13
37	1	7	12/22/93		11 J	< 13	20	< 13
38	9	14	12/22/93		30 J	< 30	320 J	< 30
38	9	7	12/22/93		6 J	< 10	29 J	< 10
39	5	14	12/22/93		< 13	< 13	< 13	< 13
39	5	21	12/22/93		< 8	< 8	< 8	< 8
39	5	7	12/22/93		15 J	< 28	< 28	< 28
40	9	21	12/29/93		< 11	< 11	< 11	< 11
40	9	28	12/29/93		11	< 10	< 10	< 10
40	9	7	12/29/93		< 10	< 10	< 10	< 10
41	7	21	12/20/93		< 10	< 10	< 10	< 10
41	7	28	12/20/93		< 11 U	< 11	2900 J	6 J
41	7	28	12/20/93	D	7 J	< 10	< 10	< 10
42	1	14	12/21/93		< 7	< 7	21	< 7
42	1	21	12/21/93		< 6	< 6	< 6	< 6
42	1	21	12/21/93	D	< 6	< 6	17	< 6
42	1	7	12/21/93		32 J	< 29	2300 J	< 29
43	2	14	12/29/93		< 11	< 11	< 11	< 11

TABLE 5.1

SOIL DATA
WAUSAU WATER SUPPLY NPL SITE
WEST BANK - PRE STARTUP - 1993

Grid	Sub-Grid	Depth	Date	Dup	Toluene ug/Kg	trans-1,2-Dichloroethene ug/Kg	Trichloroethene ug/Kg	Vinyl chloride ug/Kg
43	2	21	12/29/93		< 10	< 10	< 10	< 10
43	2	28	12/29/93		< 10	< 10	< 10	< 10
43	2	7	12/29/93		11	< 11	< 11	< 11
44	4	14	12/29/93		< 12	< 12	< 12	< 12
44	4	21	12/29/93		9 J	< 11	< 11	< 11
44	4	28	12/29/93		< 10	< 10	< 10	< 10
44	4	7	12/29/93		< 12	< 12	< 12	< 12
45	4	14	12/30/93		< 11	< 11	< 11	< 11
45	4	21	12/30/93		5 J	< 10	< 10	< 10
45	4	28	12/30/93		< 10	< 10	< 10	< 10
46	2	14	12/20/93		< 11	< 11	< 11	< 11
46	2	21	12/20/93		< 10	10 J	< 10	< 10
46	2	28	12/20/93		< 10	< 10	< 10	< 10
46	2	7	12/20/93		8 J	< 13	12 J	< 13
47	1	14	12/21/93		35	< 10	< 10	< 10
47	1	21	12/21/93		< 11	< 11	< 11	< 11
47	1	28	12/21/93		40	< 10	< 10	< 10
47	1	7	12/21/93		18	< 10	< 10	< 10
47	1	7	12/21/93	D	32	< 10	< 10	< 10
48	4	14	12/28/93		< 10	< 10	< 10	< 10
48	4	7	12/28/93		6 J	< 11	< 11	< 11

TABLE 5.1

SOIL DATA
WAUSAU WATER SUPPLY NPL SITE
WEST BANK - PRE STARTUP - 1993

Grid	Sub-Grid	Depth	Date	Dup	Toluene ug/Kg	trans-1,2-Dichloroethene ug/Kg	Trichloroethene ug/Kg	Vinyl chloride ug/Kg
49	5	14	12/28/93		< 10	< 10	< 10	< 10
49	5	21	12/28/93		< 10	< 10	< 10	< 10
49	5	28	12/28/93		< 10	< 10	< 10	< 10
49	5	7	12/28/93		< 11	< 11	< 11	< 11
50	8	14	12/30/93		< 11	< 11	< 11	< 11
50	8	14	12/30/93	D	7 J	< 11	< 11	< 11
50	8	28	12/30/93		< 11	< 11	< 11	< 11
50	8	7	12/30/93		< 12	< 12	< 12	< 12
50	8	7	12/30/93	D	21	< 11	< 11	< 11
51	7	14	12/21/93		21	< 11	6 J	< 11
51	7	14	12/21/93	D	14	< 10	< 10	< 10
51	7	28	12/21/93		17	< 11	< 11	< 11
51	7	28	12/21/93	D	17	< 10	< 10	< 10
51	7	7	12/21/93		13	< 11	< 11	< 11

TABLE 5.1A

SATURATED SOIL DATA
WAUSAU WATER SUPPLY NPL SITE
WEST BANK - PRE STARTUP - 1993

Grid	Sub-Grid	Depth	Date	Dup	1,1,1-Trichloroethane ug/Kg	1,1,2-Trichloroethane ug/Kg	1,1,2-Trichlorotrifluoroethane ug/Kg	1,1-Dichloroethane ug/Kg	1,1-Dichloroethene ug/Kg	Acetone ug/Kg	Benzene ug/Kg	Carbon tetrachloride ug/Kg	Chlorobenzene ug/Kg
36	1	35	12/20/93	DS	< 10	< 10	< 10	< 10	< 10	1700	< 10	< 10	< 10
36	1	35	12/20/93	S	< 10	< 10	< 10	< 10	< 10	990	< 10	< 10	< 10
41	7	35	12/20/93	S	< 10	< 10	< 10	< 10	< 10	1200	< 10	< 10	< 10
46	2	35	12/20/93	S	< 11	< 11	< 11	< 11	< 11	500	< 11	< 11	< 11
47	1	35	12/21/93	S	< 11	< 11	< 11	< 11	< 11	470	< 11	< 11	< 11
51	7	35	12/21/93	S	< 11	< 11	< 11	< 11	< 11	210	< 11	< 11	< 11

TABLE 5.1A

SATURATED SOIL DATA
WAUSAU WATER SUPPLY NPL SITE
WEST BANK - PRE STARTUP - 1993

Grid	Sub-Grid	Depth	Date	Dup	Chloroform ug/Kg	Chloromethane ug/Kg	cis-1,2-Dichloroethene ug/Kg	Ethylbenzene ug/Kg	m/p-Xylene ug/Kg	Methyl ethyl ketone ug/Kg	Methyl isobutyl ketone ug/Kg	Methylene chloride ug/Kg
36	1	35	12/20/93	DS	< 10	< 10	< 10	< 10	< 10	< 104	< 104	21 J
36	1	35	12/20/93	S	< 10	< 10	< 10	< 10	< 10	< 104	< 104	21 J
41	7	35	12/20/93	S	< 10	< 10	< 10	< 10	< 10	< 104	< 104	21 J
46	2	35	12/20/93	S	< 11	< 11	< 11	< 11	< 11	< 110	< 110	22 J
47	1	35	12/21/93	S	< 11	< 11	< 11	< 11	< 11	< 112	< 112	110 J
51	7	35	12/21/93	S	< 11	< 11	< 11	< 11	< 11	< 105	< 105	21 J

TABLE 5.1A

SATURATED SOIL DATA
WAUSAU WATER SUPPLY NPL SITE
WEST BANK - PRE STARTUP - 1993

Grid	Sub-Grid	Depth	Date	Dup	o-Xylene ug/Kg	Tetrachloroethene ug/Kg	Toluene ug/Kg	trans-1,2-Dichloroethene ug/Kg	Trichloroethene ug/Kg	Vinyl chloride ug/Kg
36	1	35	12/20/93	DS	< 10	20	< 10	< 10	32	< 10
36	1	35	12/20/93	S	< 10	17	< 10	< 10	22	< 10
41	7	35	12/20/93	S	< 10	< 10	< 10	< 10	< 10	< 10
46	2	35	12/20/93	S	< 11	10 J	< 11	< 11	< 11	< 11
47	1	35	12/21/93	S	< 11	< 11	< 11	< 11	< 11	< 11
51	7	35	12/21/93	S	< 11	< 11	31	< 11	< 11	< 11

TABLE 5.2
SOIL DATA SUMMARY STATISTICS
WAUSAU WATER SUPPLY NPL SITE
WEST BANK - PRE START UP - 1993

Parameters	Units	Number of Samples	Number of Detects	Maximum Hit Value	Minimum Hit Value	Maximum Detection Limit	Minimum Detection Limit
1,1,1-TRICHLOROETHANE	UG/KG	54	0	--	--	30.0000	6.0000
1,1,2-TRICHLORO-1,2,2-TRIF	UG/KG	54	0	--	--	30.0000	6.0000
1,1,2-TRICHLOROETHANE	UG/KG	54	0	--	--	30.0000	6.0000
1,1-DICHLOROETHENE	UG/KG	54	1	6.0000	6.0000	30.0000	6.0000
2-BUTANONE	UG/KG	54	2	5500.0000	120.0000	303.0000	61.5000
4-METHYL-2-PENTANONE	UG/KG	54	0	--	--	303.0000	61.5000
ACETONE	UG/KG	54	51	125000.0000	120.0000	290.0000	109.0000
BENZENE	UG/KG	54	0	--	--	30.0000	6.0000
CARBON TETRACHLORIDE	UG/KG	54	0	--	--	30.0000	6.0000
CHLOROBENZENE	UG/KG	54	0	--	--	30.0000	6.0000
CHLOROFORM	UG/KG	54	0	--	--	30.0000	6.0000
CIS-1,2-DICHLOROETHENE	UG/KG	54	3	270.0000	8.0000	29.0000	6.0000
ETHYLBENZENE	UG/KG	54	1	19.0000	19.0000	30.0000	6.0000
METHYLENE CHLORIDE	UG/KG	54	38	180.0000	12.5000	270.0000	20.0000
TETRACHLOROETHENE	UG/KG	54	24	480.0000	6.0000	13.0000	8.0000
TOLUENE	UG/KG	54	22	40.0000	5.0000	13.0000	6.0000
TRANS-1,2-DICHLOROETHENE	UG/KG	54	1	10.0000	10.0000	30.0000	6.0000
TRICHLOROETHENE	UG/KG	54	13	2900.0000	6.0000	28.0000	8.0000
VINYL CHLORIDE	UG/KG	54	1	6.0000	6.0000	30.0000	6.0000
XYLENES, TOTAL	UG/KG	54	4	92.0000	7.0000	28.0000	6.0000

TABLE 5.2
SOIL DATA SUMMARY STATISTICS
WAUSAU WATER SUPPLY NPL SITE
WEST BANK - PRE START UP - 1993

Parameters	Units	Required Cleanup Value	Number of Samples	Number of Detects	Arithmetic Mean	Coefficient of Variation	Geometric Mean	Coefficient of Variation Geometric Mean	95% UCL Lognormal Distribution
1,1,1-TRICHLOROETHANE	UG/KG	12.0000	54	0	5.7963	0.3800	5.5469	0.1600	5.8964
1,1,2-TRICHLORO-1,2,2-TRIF	UG/KG	20.0000	54	0	5.7963	0.3800	5.5469	0.1600	5.8964
1,1,2-TRICHLOROETHANE	UG/KG	10.0000	54	0	5.7963	0.3800	5.5469	0.1600	5.8964
1,1-DICHLOROETHENE	UG/KG	5.0000	54	1	5.8102	0.3800	5.5606	0.1600	5.9111
2-BUTANONE	UG/KG	10.0000	54	2	160.5880	4.6100	62.0413	0.1700	72.4782
4-METHYL-2-PENTANONE	UG/KG	10.0000	54	0	58.4306	0.3700	56.0254	0.0700	59.4761
ACETONE	UG/KG	20.0000	54	51	4760.9537	3.6800	1010.0451	0.2100	1416.9621
BENZENE	UG/KG	5.0000	54	0	5.7963	0.3800	5.5469	0.1600	5.8964
CARBON TETRACHLORIDE	UG/KG	5.0000	54	0	5.7963	0.3800	5.5469	0.1600	5.8964
CHLOROBENZENE	UG/KG	43.0000	54	0	5.7963	0.3800	5.5469	0.1600	5.8964
CHLOROFORM	UG/KG	5.0000	54	0	5.7963	0.3800	5.5469	0.1600	5.8964
CIS-1,2-DICHLOROETHENE	UG/KG	12.0000	54	3	10.9213	3.3000	6.0715	0.3400	6.9772
ETHYLBENZENE	UG/KG	331.0000	54	1	5.8796	0.4400	5.5747	0.1700	5.9531
METHYLENE CHLORIDE	UG/KG	10.0000	54	38	35.8102	1.1000	25.0082	0.2400	29.7547
TETRACHLOROETHENE	UG/KG	10.0000	54	24	37.3380	2.5600	11.0573	0.5100	14.6014
TOLUENE	UG/KG	28.0000	54	22	9.8519	0.9000	7.6393	0.3200	8.8472
TRANS-1,2-DICHLOROETHENE	UG/KG	12.0000	54	1	5.8889	0.3900	5.6185	0.1600	5.9879
TRICHLOROETHENE	UG/KG	10.0000	54	13	111.4907	4.4700	9.0664	0.6200	12.4093
VINYL CHLORIDE	UG/KG	5.0000	54	1	5.8102	0.3800	5.5606	0.1600	5.9111
XYLENES, TOTAL	UG/KG	44.0000	54	4	7.4769	1.6100	5.8563	0.2700	6.5277

TABLE 5.3

SOIL DATA
WAUSAU WATER SUPPLY NPL SITE
WEST BANK- MID POINT - 1995

Grid	Sub-Grid	Depth	Date	Dup	1,1,2-Trichloroethane ug/Kg	1,1-Dichloroethene ug/Kg	Acetone ug/Kg	Benzene ug/Kg	Carbon tetrachloride ug/Kg	Chloroform ug/Kg	cis-1,2-Dichloroethene ug/Kg	Ethylbenzene ug/Kg	m/p-Xylene ug/Kg
36	1	21	7/12/95		< 6	< 6	330	< 6	< 6	< 6	< 6	< 6	< 6
36	1	28	7/12/95		< 6	< 6	990	< 6	< 6	< 6	< 6	< 6	< 6
36	1	7	7/12/95		< 7	< 7	1800 J	< 7	< 7	< 7	< 7	< 7	< 7
37	9	14	7/13/95		< 7	< 7	1700 J	17	< 7	< 7	< 7	< 7	< 7
37	9	21	7/13/95		< 5	< 5	280	< 5	< 5	< 5	< 5	< 5	< 5
37	9	28	7/13/95		< 5	< 5	180 J	< 5	< 5	< 5 UJ	< 5	< 5	< 5
37	9	7	7/13/95		< 5	< 5	460	< 5	< 5	< 5	< 5	< 5	< 5
38	2	14	7/13/95		< 7 UJ	< 7	300 J	< 7	< 7	< 7 UJ	< 7	< 7 UJ	< 7 UJ
38	2	21	7/13/95		< 6	< 6	280	< 6	< 6	< 6	< 6	< 6	< 6
38	2	28	7/13/95		< 6	< 6	670	< 6	< 6	< 6	< 6	< 6	< 6
38	2	7	7/13/95		< 5	< 5	150	< 5	< 5	< 5	< 5	< 5	< 5
39	2	14	7/14/95		< 5	< 5	< 55	< 5	< 5	< 5	< 5	< 5	< 5
39	2	21	7/14/95		< 6	< 6	220	< 6	< 6	< 6	< 6	< 6	7
39	2	28	7/14/95		< 6	< 6	890 J	< 6	< 6	< 6	< 6	3 J	10
39	2	28	7/14/95	D	< 5	< 5	150 J	< 5	< 5	< 5	< 5	< 5	< 5
40	3	14	7/17/95		< 6	< 6	440	< 6	< 6	< 6	< 6	< 6	< 6
40	3	21	7/17/95		< 5	< 5	4400 J	2 J	< 5	< 5	< 5	< 5	2 J
40	3	28	7/17/95		< 5	< 5	280 J	< 5	< 5	< 5	< 5	< 5	< 5
40	3	7	7/17/95		< 11	< 11	< 111	< 11	< 11	< 11	< 11	< 11	< 11
41	7	14	7/12/95		< 6	< 6	660	< 6	< 6	< 6	< 6	< 6	< 6
41	7	21	7/12/95		< 6	< 6	980	< 6	< 6	< 6	< 6	< 6	< 6
41	7	7	7/12/95		< 6	< 6	99	< 6	< 6	< 6	< 6	< 6	< 6
42	1	14	7/14/95		< 5	< 5	220	< 5	< 5	< 5	< 5	< 5	< 5

TABLE 5.3

SOIL DATA
WAUSAU WATER SUPPLY NPL SITE
WEST BANK- MID POINT - 1995

Grid	Sub-Grid	Depth	Date	Dup	1,1,2-Trichloroethane ug/Kg	1,1-Dichloroethene ug/Kg	Acetone ug/Kg	Benzene ug/Kg	Carbon tetrachloride ug/Kg	Chloroform ug/Kg	cis-1,2-Dichloroethene ug/Kg	Ethylbenzene ug/Kg	m/p-Xylene ug/Kg
42	1	21	7/14/95		< 5	< 5	1000	< 5	< 5	< 5	< 5	< 5	< 5
42	1	28	7/14/95		< 5	< 5	70	< 5	< 5	< 5	< 5	< 5	< 5
42	1	7	7/14/95		< 5	< 5	670	< 5	< 5	< 5	< 5	< 5	< 5
43	2	14	7/14/95		< 5	< 5	260 J	< 5	< 5	< 5	< 5	< 5	< 5
43	2	28	7/14/95		< 5	< 5	160	< 5	< 5	< 5	< 5	< 5	< 5
43	2	28	7/14/95	D	< 5	< 5	140	< 5	< 5	< 5	< 5	< 5	< 5
43	2	7	7/14/95		< 5	< 5	65	< 5	< 5	< 5	< 5	< 5	< 5
44	3	14	7/17/95		< 5	< 5	160	< 5	< 5	< 5	< 5	< 5	< 5
44	3	21	7/17/95		< 4	< 4	560	< 4	< 4	< 4	< 4	< 4	< 4
44	3	28	7/17/95		< 5	< 5	540	< 5	< 5	< 5	< 5	< 5	< 5
44	3	7	7/17/95		< 5	< 5	370 J	< 5	< 5	< 5	< 5	< 5	< 5
44	3	7	7/17/95	D	< 5	< 5	1500 J	< 5	< 5	< 5	< 5	< 5	< 5
45	1	14	7/18/95		< 5	< 5	270	< 5	< 5	< 5	< 5	< 5	< 5
45	1	21	7/18/95		< 6	< 6	280 J	< 6	< 6	< 6	< 6	< 6	< 6
45	1	28	7/18/95		< 5	< 5	95	< 5	< 5	< 5	< 5	< 5	< 5
45	1	7	7/18/95		< 5	< 5	170	< 5	< 5	< 5	< 5	< 5	< 5
46	2	14	7/13/95		< 5	< 5	62	< 5	< 5	< 5	< 5	< 5	< 5
46	2	21	7/13/95		< 5	< 5	42	< 5	< 5	< 5	< 5	< 5	< 5
46	2	28	7/13/95		< 5	< 5	25	< 5	< 5	< 5	< 5	< 5	< 5
46	2	7	7/13/95		< 5	< 5	88	< 5	< 5	< 5	< 5	< 5	< 5
46	2	7	7/13/95	D	< 5	< 5	89	< 5	< 5	< 5	< 5	< 5	< 5
47	1	14	7/18/95		< 5	< 5	150	< 5	< 5	< 5	< 5	< 5	< 5
47	1	21	7/18/95		< 5	< 5	87	< 5	< 5	< 5	< 5	< 5	< 5

TABLE 5.3

SOIL DATA
WAUSAU WATER SUPPLY NPL SITE
WEST BANK- MID POINT - 1995

Grid	Sub-Grid	Depth	Date	Dup	1,1,2-Trichloroethane ug/Kg	1,1-Dichloroethene ug/Kg	Acetone ug/Kg	Benzene ug/Kg	Carbon tetrachloride ug/Kg	Chloroform ug/Kg	cis-1,2-Dichloroethene ug/Kg	Ethylbenzene ug/Kg	m/p-Xylene ug/Kg
47	1	28	7/18/95		< 5	< 5	170	< 5	< 5	< 5	< 5	< 5	< 5
47	1	7	7/18/95		< 5	< 5	580	< 5	< 5	< 5	< 5	< 5	< 5
48	1	14	7/19/95		< 5	< 5	170	< 5	< 5	< 5	< 5	< 5	< 5
48	1	21	7/19/95		< 5	< 5	270	< 5	< 5	< 5	< 5	< 5	< 5
48	1	21	7/19/95	D	< 5	< 5	340	< 5	< 5	< 5	< 5	< 5	< 5
48	1	28	7/19/95		< 5	< 5	240 J	< 5	< 5	< 5	< 5	< 5	< 5
48	1	7	7/19/95		< 5	< 5	160	< 5	< 5	< 5	< 5	< 5	< 5
49	7	14	7/17/95		< 5	< 5	410	< 5	< 5	< 5	< 5	< 5	< 5
49	7	21	7/17/95		< 5	< 5	250	< 5	< 5	< 5	< 5	< 5	< 5
49	7	28	7/17/95		< 5	< 5	260	< 5	< 5	< 5	< 5	< 5	< 5
49	7	7	7/17/95		< 5	< 5	460	< 5	< 5	< 5	< 5	< 5	< 5
50	2	14	7/18/95		< 5	< 5	410 J	< 5	< 5	< 5	< 5	< 5	< 5
50	2	14	7/18/95	D	< 5	< 5	1300 J	< 5	< 5	< 5	< 5	< 5	< 5
50	2	21	7/18/95		< 5	< 5	790	< 5	< 5	< 5	< 5	< 5	< 5
50	2	28	7/18/95		< 5	< 5	1500 J	< 5	< 5	< 5	< 5	< 5	< 5
50	2	7	7/18/95		< 5	< 5	1400	< 5	< 5	< 5	< 5	< 5	< 5
51	7	14	7/13/95		< 5	< 5	230	< 5	< 5	< 5	< 5	< 5	< 5
51	7	21	7/13/95		< 4	< 4	210	< 4	< 4	< 4	< 4	< 4	< 4
51	7	28	7/13/95		< 5	< 5	74	< 5	< 5	< 5	< 5	< 5	< 5
51	7	7	7/13/95		< 5	< 5	56	< 5	< 5	< 5	< 5	< 5	< 5
51	7	7	7/13/95	D	< 5	< 5	100	< 5	< 5	< 5	< 5	< 5	< 5

TABLE 5.3

SOIL DATA
WAUSAU WATER SUPPLY NPL SITE
WEST BANK- MID POINT - 1995

Grid	Sub-Grid	Depth	Date	Dup	Methylene chloride ug/Kg	o-Xylene ug/Kg	Tetrachloroethene ug/Kg	Toluene ug/Kg	Trichloroethene ug/Kg	Vinyl chloride ug/Kg
36	1	21	7/12/95		< 12	< 6	< 6	< 6	67	< 6
36	1	28	7/12/95		< 11	< 6	< 6	< 6	500	< 6
36	1	7	7/12/95		< 14	< 7	< 7	< 7	810	< 7
37	9	14	7/13/95		< 14	< 7	< 7	6 J	210	< 7
37	9	21	7/13/95		13 J	< 5	< 5	< 5	4 J	< 5
37	9	28	7/13/95		< 11	< 5	< 5	< 5	< 5	< 5
37	9	7	7/13/95		< 11	< 5	< 5	< 5	150	< 5
38	2	14	7/13/95		< 13	< 7	< 7	< 7	< 7	< 7
38	2	21	7/13/95		< 13	< 6	< 6	< 6	< 6	< 6
38	2	28	7/13/95		< 12	< 6	< 6	< 6	< 6	< 6
38	2	7	7/13/95		18	< 5	< 5	2 J	65	< 5
39	2	14	7/14/95		< 11 UJ	< 5	< 5	2 J	< 5	< 5
39	2	21	7/14/95		< 12 UJ	< 6	< 6	3 J	< 6	< 6
39	2	28	7/14/95		< 12 UJ	5 J	< 6	3 J	< 6	< 6
39	2	28	7/14/95	D	< 9 UJ	< 5	< 5	< 5	< 5	< 5
40	3	14	7/17/95		< 12 UJ	< 6	< 6	< 6	< 6	< 6 UJ
40	3	21	7/17/95		< 10 UJ	< 5	< 5	3 J	3 J	< 5 UJ
40	3	28	7/17/95		< 10 UJ	< 5	< 5	< 5	< 5	< 5
40	3	7	7/17/95		< 22 UJ	< 11	< 11	< 11	< 11	< 11
41	7	14	7/12/95		13	< 6	< 6	< 6	190	< 6
41	7	21	7/12/95		97 J	< 6	< 6	< 6	150	< 6
41	7	7	7/12/95		< 11	< 6	< 6	< 6	46	< 6
42	1	14	7/14/95		< 11 UJ	< 5	< 5	< 5	< 5	< 5

TABLE 5.3

SOIL DATA
WAUSAU WATER SUPPLY NPL SITE
WEST BANK- MID POINT - 1995

Grid	Sub-Grid	Depth	Date	Dup	Methylene chloride ug/Kg	o-Xylene ug/Kg	Tetrachloroethene ug/Kg	Toluene ug/Kg	Trichloroethene ug/Kg	Vinyl chloride ug/Kg
42	1	21	7/14/95		< 10 UJ	< 5	< 5	< 5	< 5	< 5
42	1	28	7/14/95		< 10 UJ	< 5	< 5	< 5	< 5	< 5 UJ
42	1	7	7/14/95		< 11 UJ	< 5	< 5	< 5	< 5	< 5
43	2	14	7/14/95		< 9 UJ	< 5	< 5	< 5	< 5	< 5 UJ
43	2	28	7/14/95		< 10 UJ	< 5	< 5	< 5	< 5	< 5 UJ
43	2	28	7/14/95	D	< 10 UJ	< 5	< 5	< 5	< 5	< 5 UJ
43	2	7	7/14/95		< 10 UJ	< 5	< 5	< 5	< 5	< 5 UJ
44	3	14	7/17/95		11 J	< 5	< 5	< 5	< 5	< 5
44	3	21	7/17/95		9 J	< 4	< 4	< 4	< 4	< 4
44	3	28	7/17/95		12 J	< 5	< 5	< 5	< 5	< 5
44	3	7	7/17/95		< 9 UJ	< 5	< 5	< 5	< 5	< 5
44	3	7	7/17/95	D	< 10 UJ	< 5	< 5	< 5	< 5	< 5
45	1	14	7/18/95		9 J	< 5	< 5	< 5	< 5	< 5
45	1	21	7/18/95		< 11 UJ	< 6	< 6	< 6	< 6	< 6
45	1	28	7/18/95		< 10	< 5	< 5	< 5	< 5	< 5
45	1	7	7/18/95		11 J	< 5	< 5	8	< 5	< 5
46	2	14	7/13/95		< 10	< 5	< 5	5	< 5	< 5
46	2	21	7/13/95		< 9	< 5	< 5	< 5	< 5	< 5
46	2	28	7/13/95		< 9	< 5	< 5	3 J	< 5	< 5
46	2	7	7/13/95		< 10	< 5	< 5	< 5	< 5	< 5
46	2	7	7/13/95	D	< 9	< 5	< 5	< 5	< 5	< 5
47	1	14	7/18/95		< 10	< 5	< 5	< 5	< 5	< 5
47	1	21	7/18/95		< 10	< 5	< 5	< 5	< 5	< 5

TABLE 5.3

SOIL DATA
WAUSAU WATER SUPPLY NPL SITE
WEST BANK- MID POINT - 1995

Grid	Sub-Grid	Depth	Date	Dup	Methylene chloride ug/Kg	o-Xylene ug/Kg	Tetrachloroethene ug/Kg	Toluene ug/Kg	Trichloroethene ug/Kg	Vinyl chloride ug/Kg
47	1	28	7/18/95		< 10	< 5	< 5	< 5	< 5	< 5
47	1	7	7/18/95		< 10	< 5	< 5	< 5	< 5	< 5
48	1	14	7/19/95		< 10	< 5	< 5	< 5	< 5	< 5
48	1	21	7/19/95		< 10	< 5	< 5	< 5 U	< 5	< 5
48	1	21	7/19/95	D	< 10	< 5	< 5	4 J	< 5	< 5
48	1	28	7/19/95		< 10	< 5	< 5	< 5	< 5	< 5
48	1	7	7/19/95		< 10	< 5	< 5	5 J	< 5	< 5
49	7	14	7/17/95		< 10 UJ	< 5	< 5	< 5	< 5	< 5
49	7	21	7/17/95		33 J	< 5	< 5	< 5	< 5	< 5
49	7	28	7/17/95		< 10 UJ	< 5	< 5	3 J	< 5	< 5
49	7	7	7/17/95		12 J	< 5	< 5	< 5	< 5	< 5
50	2	14	7/18/95		< 10	< 5	< 5	< 5 U	< 5	< 5
50	2	14	7/18/95	D	< 10	< 5	< 5	< 5	< 5	< 5
50	2	21	7/18/95		< 10	< 5	< 5	< 5	< 5	< 5
50	2	28	7/18/95		12	< 5	< 5	3 J	< 5	< 5
50	2	7	7/18/95		< 11	< 5	< 5	< 5	< 5	< 5
51	7	14	7/13/95		< 9	< 5	< 5	< 5	< 5	< 5
51	7	21	7/13/95		43 J	< 4	< 4	< 4	< 4	< 4
51	7	28	7/13/95		12	< 5	< 5	< 5	< 5	< 5
51	7	7	7/13/95		< 9	< 5	< 5	2 J	< 5	< 5
51	7	7	7/13/95	D	15	< 5	< 5	< 5	< 5	< 5

TABLE 5.3A

SATURATED SOIL DATA
WAUSAU WATER SUPPLY NPL SITE
WEST BANK - MID POINT - 1995

Grid	Sub-Grid	Depth	Date	Dup	1,1,1-Trichloroethane ug/Kg	1,1,2-Trichloroethane ug/Kg	1,1,2-Trichlorotrifluoroethane ug/Kg	1,1-Dichloroethane ug/Kg	1,1-Dichloroethene ug/Kg	Acetone ug/Kg	Benzene ug/Kg	Carbon tetrachloride ug/Kg	Chlorobenzene ug/Kg
36	1	35	7/12/95	S		< 5			< 5	66	< 5	< 5	
37	9	35	7/13/95	S		< 6			< 6	56	< 6	< 6	
38	2	35	7/13/95	S		< 5			< 5	160	< 5	< 5	
41	7	28	7/12/95	DS		< 5			< 5	330	4 J	< 5	
41	7	28	7/12/95	S		< 5			< 5	120	< 5	< 5	
46	2	35	7/13/95	S		< 6			< 6	66	< 6	< 6	

TABLE 5.3A

SATURATED SOIL DATA
WAUSAU WATER SUPPLY NPL SITE
WEST BANK - MID POINT - 1995

Grid	Sub-Grid	Depth	Date	Dup	Chloroform ug/Kg	Chloromethane ug/Kg	cis-1,2-Dichloroethene ug/Kg	Ethylbenzene ug/Kg	m/p-Xylene ug/Kg	Methyl ethyl ketone ug/Kg	Methyl isobutyl ketone ug/Kg	Methylene chloride ug/Kg
36	1	35	7/12/95	S	< 5		< 5	< 5	< 5			< 11
37	9	35	7/13/95	S	< 6		< 6	< 6	< 6			< 11
38	2	35	7/13/95	S	< 5		< 5	< 5	< 5			< 11
41	7	28	7/12/95	DS	< 5		< 5	< 5	< 5			< 10
41	7	28	7/12/95	S	< 5		< 5	< 5	< 5			< 10
46	2	35	7/13/95	S	< 6		< 6	< 6	< 6			16 J

TABLE 5.3A

SATURATED SOIL DATA
WAUSAU WATER SUPPLY NPL SITE
WEST BANK - MID POINT - 1995

Grid	Sub-Grid	Depth	Date	Dup	o-Xylene ug/Kg	Tetrachloroethene ug/Kg	Toluene ug/Kg	trans-1,2-Dichloroethene ug/Kg	Trichloroethene ug/Kg	Vinyl chloride ug/Kg
36	1	35	7/12/95	S	< 5	< 5	< 5		8	< 5
37	9	35	7/13/95	S	< 6	< 6	6		< 6	< 6
38	2	35	7/13/95	S	< 5	< 5	< 5		< 5	< 5
41	7	28	7/12/95	DS	< 5	< 5	3 J		2 J	< 5
41	7	28	7/12/95	S	< 5	< 5	< 5		< 5	< 5
46	2	35	7/13/95	S	< 6	< 6	2 J		< 6	< 6

MN FILE COPY

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MEMO

TO: Brian Boevers

REFERENCE NO: 3978-10

CC: Steve Day
Miles Phillips

FROM: Grant Anderson GDA

DATE: September 19, 1995

RE: Data Quality Assessment and Validation for Soil and Water Samples Collected during the July 1995 Sampling Event at the Wausau Superfund Site in Wausau, Wisconsin

---

The following details a data quality assessment and validation for 73 soil and eight water samples collected during the July 1995 sampling event at the Wausau Superfund Site in Wausau, Wisconsin. The samples identified in Table 1 were analyzed for volatile organic compounds (VOC)[1]. The analyses were performed by Enviroscan, Corp. (Enviroscan) of Rothschild, Wisconsin. The quality assurance criteria were established in the associated Quality Assurance Project Plan (QAPP).[2]

Holding Time Requirements

The holding time period for VOC analysis is 14 days from sample collection to completion of analysis. On the basis of sample collection dates on the chain-of-custody forms and the analytical report provided by the laboratory, the analyses were completed within the specified holding time period.

Initial Calibration

Initial calibration data were used to demonstrate that each instrument was capable of generating acceptable quantitative data. The acceptance criteria for VOC analytes required a mean relative response factor (RRF) greater than or equal to 0.050. Percent relative standard deviations (%RSDs) for all analytes were required to be less than or equal to 30. The VOC initial calibration results were within acceptance criteria.

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1 VOC method 8260 was derived from "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846 3rd edition, November 1986 with its revisions and updates

2 Application of quality assurance criteria was consistent with "National Functional Guidelines for Organic Data Review", December 1990 (Revised June 1991).

Continuing Calibration

To ensure that each instrument was capable of producing quantitative results over the specified analysis period, routine checks upon the instrument calibration were performed. For VOC analyses, daily response factors were required to be greater than or equal to 0.050. Percent difference between mean RRF and daily RRF for all analyses were required to be less than or equal to 25. The majority of continuing calibration results for VOC analyses were within acceptance criteria. Table 2 lists the analytes that failed the calibration acceptance criteria. Associated sample data should be qualified as noted in the table.

Method Blank Samples

Contamination of the samples contributed by laboratory conditions or procedures was monitored by the concurrent preparation and analysis of method blank samples. The method blank samples were reported to be free from detectable concentrations of target analytes, indicating that laboratory contamination was unlikely.

Surrogate Compound Percent Recoveries (Surrogate Recoveries)

Individual sample performance for VOC analyses was monitored by surrogate recoveries. The VOC surrogate recoveries were within acceptance criteria with the exception of the bromofluorobenzene surrogate which yielded a high recovery for samples S950714DS40 and S950718DS58. As a result, the positive VOC results for samples S950714DS40 and S950718DS58 should be qualified as estimated (J). No qualification of data was necessary for non-detected analytes.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Results

To assess the long term accuracy and precision of the analytical method on various matrices, matrix spike percent recoveries and relative percent difference (RPD) of the recoveries were determined for the analyses. Table 3 lists the outlying matrix spike sample results. Associated sample data should be qualified as noted in the table. The remaining percent recovery and RPD data were within acceptance criteria, indicating an adequate level of accuracy and precision was achieved.

Coelution of Compounds

Due to coelution by a non-target compound, identification and quantitation of methylene chloride should be considered suspect for several project samples. The

non-target compound was tentatively identified by the laboratory as isopropanol, a solvent used during the sampling equipment decontamination procedure. As a result, the associated sample data should be qualified as noted in Table 4.

Calibration Range Exceedances

Results from three project samples yielded positive concentrations of acetone that were reported to exceed the instrument calibration range. As a result, the acetone result for samples S950712DS01, S950713DS11 and S950717DS45 should be qualified as estimated (J).

Field Quality Assurance/Quality Control (QA/QC) Samples

The field QA/QC samples for the sampling event included six trip blanks, eight rinsate blanks and eight field duplicate sample sets.

To evaluate the possibility of contamination arising from sample transport, the environment and/or shipping, six trip blank samples were submitted to the laboratory for VOC analysis. The trip blanks were reported to be free from detectable concentrations of target analytes with the exception of m-/p-xylene and acetone. However, m-/p-Xylene were not detected in the associated samples and acetone concentrations in the associated samples were sufficiently high enough that qualification of data was not necessary based on trip blank results.

As a check for cleanliness of sampling equipment, eight rinsate blanks were collected as authentic samples for labeling and submission to the laboratory. The rinsate blank samples were identified as W950712DS01, W950713DS02, W950713DS03, W950714DS04, W950714DS05, W950717DS06, W950718DS07 and W950719DS08. Several rinsate samples yielded positive concentrations for acetone and/or toluene. As a result, the toluene results for samples S950718DS61 and S950719DS71 should be qualified as non-detect (5U). Again, acetone concentrations were sufficiently high enough in the associated samples that qualification of acetone results was not necessary based on rinsate blank results.

Overall precision for the sampling event was monitored using field duplicate sample sets: S950712DS08/S950712DS09, S950713DS15/S950713DS16, S950713DS21/S950713DS22, S950714DS33/S950712DS34, S950714DS41/S950714DS42, S950717DS51/S950717DS52, S950718DS61/S950718DS62 and S950719DS71/S950719DS72. Based on relative percent difference (RPD) data from the field duplicate sets, the overall level of precision was found to be acceptable with

the exception of acetone. Table 5 presents non-comparable field duplicate data. The associated sample data should be qualified as noted in the table.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and may be used with the qualifications noted above.

GDA/jm
Enc.

TABLE 1

SUMMARY OF SAMPLE IDENTIFICATION NUMBERS
WAUSAU SUPERFUND SITE
JULY 1995 SAMPLING EVENT

S950712DS01	S950713DS18	S950714DS34	S950717DS50	S950718DS66
S950712DS02	S950713DS19	S950714DS35	S950717DS51	S950718DS67
S950712DS03	S950713DS20	S950714DS36	S950717DS52	S950718DS68
S950712DS04	S950713DS21	S950714DS37	S950717DS53	S950719DS69
S950712DS05	S950713DS22	S950714DS38	S950717DS54	S950719DS70
S950712DS06	S950713DS23	S950714DS39	S950717DS55	S950719DS71
S950712DS07	S950713DS24	S950714DS40	S950718DS56	S950719DS72
S950712DS08	S950713DS25	S950714DS41	S950718DS57	S950719DS73
S950712DS09	S950713DS26	S950714DS42	S950718DS58	W950712DS01
S950713DS10	S950713DS27	S950717DS43	S950718DS59	W950713DS02
S950713DS11	S950713DS28	S950717DS44	S950718DS60	W950713DS03
S950713DS12	S950713DS29	S950717DS45	S950718DS61	W950714DS04
S950713DS13	S950713DS30	S950717DS46	S950718DS62	W950714DS05
S950713DS14	S950714DS31	S950717DS47	S950718DS63	W950717DS06
S950713DS15	S950714DS32	S950717DS48	S950718DS64	W950718DS07
S950713DS16	S950714DS33	S950717DS49	S950718DS65	W950719DS08
S950713DS17				

TABLE 2

OUTLYING CONTINUING CALIBRATION DATA
WAUSAU SUPERFUND SITE
JULY 1995 SAMPLING EVENT

Analysis	*Date Analyzed*	*Analyte*	*% D*	*Maximum % D*	*Qualifier**	*Associated Samples*
VOC	7/26/95	Methylene Chloride	32.9	25	J/UJ	S950714DS31; S950714DS32; S950714DS33; S950714DS34; S950714DS35; S950714DS36; S950714DS37; W950714DS04; W950714DS05
VOC	7/27/95	Methylene Chloride Vinyl Chloride	67.1 30.9	25	J/UJ	S950714DS38; S950714DS39; S950714DS40; S950714DS41; S950714DS42; S950717DS44; S950717DS45; W950717DS06
VOC	7/28/95	Methylene Chloride	30.6	25	J/UJ	S950717DS43; S950717DS46; S950717DS47;

TABLE 2

OUTLYING CONTINUING CALIBRATION DATA
WAUSAU SUPERFUND SITE
JULY 1995 SAMPLING EVENT

Analysis	*Date Analyzed*	*Analyte*	*% D*	*Maximum % D*	*Qualifier**	*Associated Samples*
VOC	7/31/95	Methylene Chloride	28.5	25	J/UJ	S950717DS48; S950717DS49; S950717DS50; S950717DS51; S950717DS52
						S950717DS53; S950717DS54; S950717DS55; S950718DS56; S950718DS57; S950718DS58; W950718DS07

Notes:

* Sample results should be qualified as:

J - The associated value is an estimated quantity for detected analytes.

UJ - The analyte was checked for, but not detected. The associated value is an estimated quantitation limit.

TABLE 3

OUTLYING MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS
WAUSAU SUPERFUND SITE
JULY 1995 SAMPLING EVENT

Analysis	*Sample ID*	*Spiking Parameter*	*MS % Recovery*	*MSD % Recovery*	*% Recovery Limits*	*RPD*	*RPD Limits*	*Qualifier**
VOC	S950713DS13	Acetone	115	58	50-150	66.2	25	J/UJ
		Chloroform	112	96	61-161	15.4	11	J/UJ
VOC	S950713DS27	Acetone	213	139	50-150	41.7	25	J/UJ
		Chloroform	83	94	61-161	13.5	11	J/UJ
		1,1,2-Trichloroethane	83	102	73-143	20.5	10	J/UJ
		Ethylbenzene	92	110	72-148	18.4	15	J/UJ
		m- & p-Xylene	83	99	69-129	17.4	17	J/UJ
VOC	S950717DS46	Methylene Chloride	91	67	50-187	31.4	29	J/UJ
		Acetone	154	1048	50-150	148.8	25	J/UJ
VOC	S950719DS73	Acetone	85	115	50-150	29.8	25	J/UJ

Notes:

* Sample results should be qualified as:

J - The associated value is an estimated quantity for detected analytes.

UJ - The analyte was checked for, but not detected. The associated value is an estimated quantitation limit.

TABLE 4

QUALIFIED RESULTS BASED ON COELUTION WITH A NON-TARGET COMPOUND WAUSAU SUPERFUND SITE JULY 1995 SAMPLING EVENT

Analysis	*Compound*	*Qualifier**	*Associated Samples*
VOC	Methylene Chloride	J	S950712DS07; S950713DS12; S950713DS20; S950713DS24; S950717DS47; S950717DS49; S950717DS53; S950717DS54; S950718DS56; S950718DS57

Note:

* Sample results should be qualified as:

J - The associated value is an estimated quantity for detected analytes.

TABLE 5

NON-COMPARABLE FIELD DUPLICATE RESULTS
WAUSAU SUPERFUND SITE
JULY 1995 SAMPLING EVENT

Analysis	*Parameter*	*Sample 1*	*Result 1 (µg/Kg)*	*Sample 2*	*Result 2 (µg/Kg)*	*RPD**	*Qualifier***
VOC	Acetone	S950714DS33	890	S950714DS34	150	142	J
VOC	Acetone	S950717DS51	370	S950717DS52	1500	121	J
VOC	Acetone	S950718DS61	410	S950718DS62	1300	104	J

* RPD-Relative Percent Difference

** Sample results should be qualified as:

J - The associated value is an estimated quantity for detected analytes.

TABLE 5.4
SOIL DATA SUMMARY STATISTICS
WAUSAU WATER SUPPLY NPL SITE
WEST BANK - MID-POINT - 1995

Parameters	Units	Number of Samples	Number of Detects	Maximum Hit Value	Minimum Hit Value	Maximum Detection Limit	Minimum Detection Limit
1,1,2-TRICHLOROETHANE	UG/KG	60	0	--	--	11.0000	4.0000
1,1-DICHLOROETHENE	UG/KG	60	0	--	--	11.0000	4.0000
ACETONE	UG/KG	60	58	4400.0000	25.0000	111.0000	55.0000
BENZENE	UG/KG	60	2	17.0000	2.0000	11.0000	4.0000
CARBON TETRACHLORIDE	UG/KG	60	0	--	--	11.0000	4.0000
CHLOROFORM	UG/KG	60	0	--	--	11.0000	4.0000
CIS-1,2-DICHLOROETHENE	UG/KG	60	0	--	--	11.0000	4.0000
ETHYLBENZENE	UG/KG	60	1	3.0000	3.0000	11.0000	4.0000
METHYLENE CHLORIDE	UG/KG	60	15	97.0000	9.0000	22.0000	9.0000
TETRACHLOROETHENE	UG/KG	60	0	--	--	11.0000	4.0000
TOLUENE	UG/KG	60	14	8.0000	2.0000	11.0000	4.0000
TRICHLOROETHENE	UG/KG	60	11	810.0000	3.0000	11.0000	4.0000
VINYL CHLORIDE	UG/KG	60	0	--	--	11.0000	4.0000
XYLENES, TOTAL	UG/KG	60	3	15.0000	2.0000	11.0000	4.0000

TABLE 5.4
SOIL DATA SUMMARY STATISTICS
WAUSAU WATER SUPPLY NPL SITE
WEST BANK - MID-POINT - 1995

Parameters	Units	Required Cleanup Value	Number of Samples	Number of Detects	Arithmetic Mean	Coefficient of Variation	Geometric Mean	Coefficient of Variation Geometric Mean	95% UCL Lognormal Distribution
1,1,2-TRICHLOROETHANE	UG/KG	10.0000	60	0	2.6708	0.1800	2.6400	0.1500	2.7234
1,1-DICHLOROETHENE	UG/KG	5.0000	60	0	2.6708	0.1800	2.6400	0.1500	2.7234
ACETONE	UG/KG	20.0000	60	58	481.0583	1.3700	272.1494	0.1900	343.2640
BENZENE	UG/KG	5.0000	60	2	2.8875	0.6600	2.7004	0.2800	2.8692
CARBON TETRACHLORIDE	UG/KG	5.0000	60	0	2.6708	0.1800	2.6400	0.1500	2.7234
CHLOROFORM	UG/KG	5.0000	60	0	2.6708	0.1800	2.6400	0.1500	2.7234
CIS-1,2-DICHLOROETHENE	UG/KG	12.0000	60	0	2.6708	0.1800	2.6400	0.1500	2.7234
ETHYLBENZENE	UG/KG	331.0000	60	1	2.6750	0.1800	2.6439	0.1500	2.7278
METHYLENE CHLORIDE	UG/KG	10.0000	60	15	9.4042	1.4000	7.0537	0.3000	8.0178
TETRACHLOROETHENE	UG/KG	10.0000	60	0	2.6708	0.1800	2.6400	0.1500	2.7234
TOLUENE	UG/KG	28.0000	60	14	2.9250	0.3500	2.8082	0.2500	2.9722
TRICHLOROETHENE	UG/KG	10.0000	60	11	38.7208	3.2800	4.8552	0.9700	6.7541
VINYL CHLORIDE	UG/KG	5.0000	60	0	2.6708	0.1800	2.6400	0.1500	2.7234
XYLENES, TOTAL	UG/KG	44.0000	60	3	2.9333	0.6000	2.7441	0.2900	2.9249

TABLE 5.5

ACETONE IN GROUNDWATER
WAUSAU WATER SUPPLY NPL SITE

Well ID	*Date*	*Acetone Concentration*	*Units*	*Qualifier*
East Bank				
WC2	12/2/93	< 10	ug/L	R
WC2	4/11/94	< 10	ug/L	
WC2	7/12/94	< 10	ug/L	
WC2	10/18/94	< 10	ug/L	
WC2	1/19/95	< 10	ug/L	
WC2	4/12/95	< 10	ug/L	
WC2	7/27/95	< 10	ug/L	
WC3B	12/10/93	22	ug/L	J
WC3B	10/20/94	< 10	ug/L	U
WC4	12/9/93	< 10	ug/L	R
WC4	4/11/94	< 10	ug/L	
WC4	7/12/94	< 10	ug/L	
WC4	10/20/94	< 10	ug/L	
WC4	1/19/95	< 10	ug/L	
WC4	4/12/95	< 10	ug/L	
WC4	7/27/95	6	ug/L	J
WC4A	12/9/93	12	ug/L	J
WC4A	10/20/94	< 10	ug/L	
WC5	12/8/93	< 10	ug/L	R
WC5	10/20/94	< 10	ug/L	UJ
WC5A	10/20/94	< 10	ug/L	
West Bank				
C2S	12/7/93	< 10	ug/L	R
C2S	10/18/94	< 10	ug/L	
R4D	12/3/93	< 10	ug/L	R
R4D	4/11/94	< 10	ug/L	
R4D	7/12/94	< 10	ug/L	
R4D	10/18/94	< 10	ug/L	
R4D	1/19/95	< 10	ug/L	
R4D	4/12/95	6	ug/L	J

TABLE 5.5

ACETONE IN GROUNDWATER
WAUSAU WATER SUPPLY NPL SITE

Well ID	*Date*	*Acetone Concentration*	*Units*	*Qualifier*
R4D	7/27/95	< 10	ug/L	
W53	12/2/93	< 10	ug/L	R
W53	4/11/94	< 10	ug/L	
W53	7/12/94	< 10	ug/L	
W53	7/12/94 D	< 10	ug/L	
W53	10/18/94	< 10	ug/L	
W53	10/18/94 D	< 10	ug/L	
W53	1/19/95	< 10	ug/L	
W53	4/12/95	< 10	ug/L	U
W53	7/27/95	< 10	ug/L	
W53A	12/2/93	< 10	ug/L	R
W53A	12/2/93 D	< 10	ug/L	R
W53A	10/18/94	< 10	ug/L	
W54	12/2/93	< 10	ug/L	R
W54	10/18/94	< 10	ug/L	
WSWD	12/7/93	< 10	ug/L	R
WSWD	10/20/94	< 10	ug/L	

Notes:
R - Data Rejected
J - Estimated Value Only
U - Value is non-detect due to qualification
UJ - Estimated Detection Level

TABLE 5.6

ACETONE IN SOIL GAS (SUMMA CANISTERS)
WAUSAU WATER SUPPLY NPL SITE

Location	*Date*	*Acetone Concentrations*		*Units*
East Bank				
GPN-6-8'	12/10/93	<	11.87	ug/L
GPN-8-8'	12/10/93	<	23.74	ug/L
GPN-10-4'	4/12/94	<	2.37	ug/L
GPN-10-4'	8/11/94	<	2.37	ug/L
GPN-11-8'	4/13/94	<	23.74	ug/L
GPN-11-8'	4/13/94	<	11.87	ug/L
GPN-11-8'	8/12/94	<	2.37	ug/L
GPN-11-8'	8/12/94	<	2.37	ug/L
GPN-15-8'	4/13/94	<	47.48	ug/L
GPN-15-8'	8/12/94	<	2.37	ug/L
GPN-16-12'	10/21/94	<	23.74	ug/L
GPN-16-12'	1/13/95	<	237.39	ug/L
GPN-16-8'	10/20/94	<	11.87	ug/L
GPN-16-8'	1/13/95	<	4.75	ug/L
GPN-17-4'	10/21/94	<	23.74	ug/L
GPN-17-4'	1/13/95	<	237.39	ug/L
GPN-17-8'	10/21/94	<	23.74	ug/L
GPN-17-8'	1/13/95	<	237.39	ug/L
GPN-18-8'	12/10/93	<	23.74	ug/L
GPN-19-8'	12/10/93	<	23.74	ug/L
SVE System Exhaust				
East Bank -post carbon	1/12/94	<	0.24	ug/L
East Bank -post carbon	1/19/94	<	0.24	ug/L
East Bank -post carbon	1/26/94	<	2.37	ug/L
East Bank -post carbon	2/9/94	<	2.37	ug/L
East Bank -post carbon	3/9/94	<	2.37	ug/L
East Bank -post carbon	4/15/94	<	2.37	ug/L
East Bank -post carbon	8/15/94	<	2.37	ug/L
East Bank -post carbon	10/21/94	<	2.37	ug/L
East Bank -post carbon	1/13/95	<	2.37	ug/L

TABLE 5.6

ACETONE IN SOIL GAS (SUMMA CANISTERS)
WAUSAU WATER SUPPLY NPL SITE

Location	*Date*	*Acetone Concentrations*		*Units*
East Bank -pre carbon	1/12/94	<	11.87	ug/L
East Bank -pre carbon	1/19/94	<	5.93	ug/L
East Bank -pre carbon	1/26/94	<	23.74	ug/L
East Bank -pre carbon	2/9/94	<	11.87	ug/L
East Bank -pre carbon	3/9/94	<	11.87	ug/L
East Bank -pre carbon	4/15/94	<	118.70	ug/L
East Bank -pre carbon	8/15/94	<	47.48	ug/L
East Bank -pre carbon	10/21/94	<	23.74	ug/L
East Bank -pre carbon	1/13/95	<	23.74	ug/L
<u>West Bank</u>				
GPN-2-15'	10/20/94	<	11.87	ug/L
GPN-2-15'	1/11/95	<	4.75	ug/L
GPN-2-25'	10/20/94	<	11.87	ug/L
GPN-2-25'	1/11/95	<	4.75	ug/L
GPN-4-25'	12/9/93	<	23.74	ug/L
GPN-5-15'	12/9/93	<	2.37	ug/L
GP-3	12/9/93	<	2.85	ug/L
GP-6	4/14/94	<	2.37	ug/L
GP-6	8/9/94	<	2.37	ug/L
GP-9	4/14/94	<	2.37	ug/L
GP-9	8/9/94	<	2.37	ug/L
GP-14	4/12/94	<	2.37	ug/L
GP-14	8/11/94	<	2.37	ug/L
<u>SVE System Exhaust</u>				
West Bank -post carbon	1/12/94	<	0.24	ug/L
West Bank -post carbon	1/19/94	<	0.24	ug/L
West Bank -post carbon	1/26/94	<	2.37	ug/L
West Bank -post carbon	2/9/94	<	2.37	ug/L
West Bank -post carbon	3/9/94	<	2.37	ug/L
West Bank -post carbon	4/15/94	<	2.37	ug/L

TABLE 5.6

ACETONE IN SOIL GAS (SUMMA CANISTERS)
WAUSAU WATER SUPPLY NPL SITE

Location	*Date*	*Acetone Concentrations*		*Units*
West Bank -post carbon	8/12/94	<	2.37	ug/L
West Bank -post carbon	10/20/94	<	2.37	ug/L
West Bank -post carbon	1/11/95	<	2.37	ug/L
West Bank -pre carbon	1/12/94	<	11.87	ug/L
West Bank -pre carbon	1/19/94	<	11.87	ug/L
West Bank -pre carbon	1/26/94	<	11.87	ug/L
West Bank -pre carbon	2/9/94	<	11.87	ug/L
West Bank -pre carbon	3/9/94	<	2.37	ug/L
West Bank -pre carbon	4/15/94	<	9.50	ug/L
West Bank -pre carbon	8/12/94	<	2.37	ug/L
West Bank -pre carbon	10/20/94	<	11.87	ug/L
West Bank -pre carbon	1/11/95	<	2.37	ug/L

Note:
GPN - Nested probes with screens at 4 feet and 8 feet bgs.

TABLE 5.7

SPLIT SAMPLE RESULTS
WAUSAU WATER SUPPLY NPL SITE

Location Grid	*Analand*	*Enviroscan*	*Quanterra*
36-1-7 feet	Acetone	1800J	<100
	Tetrachlorethene (PCE)	<7	<25
	Trichloroethene (TCE)	810	930
40-3-21 feet	Acetone	4400J	<20
	Tetrachloroethene (PCE)	<5	<5
	Trichloroethene (TCE)	3J	<5

TABLE 5.8

SVE SYSTEM VOC MASS REMOVAL
WAUSAU WATER SUPPLY NPL SITE
WEST BANK

Time Period	*VOC Concentration µg/L*	*Flow Rate CFM*	*VOC Mass Removed lbs.*
Day 1	78	600	4
Day 2	57	600	3
Day 3	57	600	3
Day 4	29	600	2
Days 5-7	29	600	5
Week 1 Total			17
Month 1	19	600	31
Month 2	8	600	13
Month 3	9	600	15
Quarter 1 Total			59
Quarter 2	14	580	66
Quarter 3	13	570	60
Quarter 4	5	580	23
Quarter 5	4	580	19
Quarter 6	9	580	42
Estimated Mass of VOCs Removed to Date			**269**

TABLE 5.9

TRICHLOROETHENE IN SOURCE AREA GROUNDWATER
WAUSAU WATER SUPPLY NPL SITE

Well ID	*Depth*	*Water Elevation*	Groundwater TCE		
			1993	*1994*	*1995*
W53A	41.3 feet bgs	Downgradient	31/28* µg/L	3 µg/L	5 µg/L
W54	65.5 feet bgs	Downgradient	<1 µg/L	0.4 µg/L	ND
C2S	37.9 feet bgs	Upgradient			
WSWD	152.4 feet bgs	Deep Well			
R4D	133 feet bgs	Deep Well			
W53A	125.5 feet bgs	Deep Well			

Notes:

* - Duplicate Sample Results

ND - Not Detected

TABLE 6.1

SOIL DATA
WAUSAU WATER SUPPLY NPL SITE
EAST BANK - PRE STARTUP - 1993

Grid	Sub-Grid	Depth	Date	Dup	1,1,1-Trichloroethane ug/Kg	1,1,2-Trichloroethane ug/Kg	1,1,2-Trichlorotrifluoroethane ug/Kg	1,1-Dichloroethane ug/Kg	1,1-Dichloroethene ug/Kg	Acetone ug/Kg	Benzene ug/Kg	Carbon tetrachloride ug/Kg	Chlorobenzene ug/Kg	Chloroform ug/Kg
1	9	4	12/14/93		< 6	< 6	< 6	< 6	< 6	6200 J	< 6	< 6	< 6	< 6
1	9	8	12/14/93		< 5	< 5	< 5	< 5	< 5	530	< 5	< 5	< 5	< 5
2	8	4	12/14/93		< 5	< 5	< 5	< 5	< 5	5900 J	< 5	< 5	< 5	< 5
2	8	8	12/14/93		< 5	< 5	< 5	< 5	< 5	590	< 5	< 5	< 5	< 5
3	6	4	12/14/93		< 11	< 11	< 11	< 11	< 11	28400 J	< 11	< 11	< 11	< 11
4	7	4	12/14/93		< 4	< 4	< 4	< 4	< 4	140	< 4	< 4	< 4	< 4
4	7	8	12/14/93		< 5	< 5	< 5	< 5	< 5	220	< 5	< 5	< 5	< 5
5	7	4	12/14/93		< 5	< 5	< 5	< 5	< 5	< 170 UJ	< 5	< 5	< 5	< 5
5	7	8	12/14/93		< 4	< 4	< 4	< 4	< 4	63	< 4	< 4	< 4	< 4
6	7	4	12/14/93		< 5	< 5	< 5	< 5	< 5	2000	< 5	< 5	< 5	< 5
6	7	8	12/14/93		< 5	< 5	< 5	< 5	< 5	3300 J	< 5	< 5	< 5	< 5
7	2	4	12/17/93		< 5	< 5	< 5	< 5	< 5	880 J	< 5	< 5	< 5	< 5
7	2	8	12/17/93		< 5	< 5	< 5	< 5	< 5	670	< 5	< 5	< 5	< 5
8	1	4	12/17/93		< 5	< 5	< 5	< 5	< 5	400 J	< 5	< 5	< 5	< 5
8	1	8	12/17/93		< 5	< 5	< 5	< 5	< 5	1100 J	< 5	< 5	< 5	< 5
9	2	4	12/17/93		< 5	< 5	< 5	< 5	< 5	< 320 U	< 5	< 5	< 5	< 5
9	2	8	12/17/93		< 5	< 5	< 5	< 5	< 5	160	< 5	< 5	< 5	< 5
10	6	4	12/15/93		< 5	< 5	< 5	< 5	< 5	2100	< 5	< 5	< 5	< 5
10	6	8	12/15/93		< 5	< 5	< 5	< 5	< 5	180	< 5	< 5	< 5	< 5
10	6	8	12/15/93	D	< 4	< 4	< 4	< 4	< 4	63	< 4	< 4	< 4	< 4
11	3	4	12/18/93		< 5	< 5	< 5	< 5	< 5	340 J	< 5	< 5	< 5	< 5

TABLE 6.1

SOIL DATA
WAUSAU WATER SUPPLY NPL SITE
EAST BANK - PRE STARTUP - 1993

Grid	Sub-Grid	Depth	Date	Dup	1,1,1-Trichloroethane ug/Kg	1,1,2-Trichloroethane ug/Kg	1,1,2-Trichlorotrifluoroethane ug/Kg	1,1-Dichloroethane ug/Kg	1,1-Dichloroethene ug/Kg	Acetone ug/Kg	Benzene ug/Kg	Carbon tetrachloride ug/Kg	Chlorobenzene ug/Kg	Chloroform ug/Kg
11	3	8	12/18/93		< 4	< 4	< 4	< 4	< 4	82 J	< 4	< 4	< 4	< 4
12	8	4	12/18/93		< 4	< 4	< 4	< 4	< 4	2400 J	< 4	< 4	< 4	< 4
12	8	8	12/18/93		< 5	< 5	< 5	< 5	< 5	810 J	< 5	< 5	< 5	< 5
13	5	4	12/17/93		< 6	< 6	< 6	< 6	< 6	1300 J	< 6	< 6	< 6	< 6
13	5	8	12/17/93		< 5	< 5	< 5	< 5	< 5	12000 J	< 5	< 5	< 5	< 5
13	5	8	12/17/93	D	< 5	< 5	< 5	< 5	< 5	1200 J	< 5	< 5	< 5	< 5
14	8	4	12/17/93		< 21	< 21	< 21	< 21	< 21	1200 J	< 21	< 21	< 21	< 21
14	8	8	12/17/93		< 6	< 6	< 6	< 6	< 6	1300 J	< 6	< 6	< 6	< 6
15	5	4	12/17/93		< 5	< 5	< 5	< 5	< 5	61	< 5	< 5	< 5	< 5
16	8	4	12/17/93		< 9	< 9	< 9	< 9	< 9	< 92 UJ	< 9	< 9	< 9	< 9
16	8	8	12/17/93		< 16	< 16	< 16	< 16	< 16	< 156 UJ	< 16	< 16	< 16	< 16
17	6	4	12/17/93		< 433	< 433	< 433	< 433	< 433	6100	< 433	< 433	< 433	< 433
17	6	8	12/17/93		< 12	< 12	< 12	< 12	< 12	1900 J	< 12	< 12	< 12	< 12
18	2	4	12/15/93		< 5	< 5	< 5	< 5	< 5	720	< 5	< 5	< 5	< 5
18	2	8	12/15/93		< 5	< 5	< 5	< 5	< 5	86	< 5	< 5	< 5	< 5
19	6	4	12/13/93		< 4	< 4	< 4	< 4	< 4	430 J	< 4	< 4	< 4	< 4
19	6	8	12/13/93		670	< 446	< 446	< 446	< 446	< 4464	< 446	< 446	< 446	< 446
20	5	4	12/13/93		< 4	< 4	< 4	< 4	< 4	430	< 4	< 4	< 4	< 4
20	5	8	12/13/93		< 5	< 5	< 5	< 5	< 5	670	< 5	< 5	< 5	< 5
21	5	4	12/15/93		< 6	< 6	< 6	< 6	< 6	5900 J	< 6	< 6	< 6	< 6
21	5	8	12/15/93		< 4	< 4	< 4	< 4	< 4	110	< 4	< 4	< 4	< 4

TABLE 6.1

SOIL DATA
WAUSAU WATER SUPPLY NPL SITE
EAST BANK - PRE STARTUP - 1993

Grid	Sub-Grid	Depth	Date	Dup	1,1,1-Trichloroethane ug/Kg	1,1,2-Trichloroethane ug/Kg	1,1,2-Trichlorotrifluoroethane ug/Kg	1,1-Dichloroethane ug/Kg	1,1-Dichloroethene ug/Kg	Acetone ug/Kg	Benzene ug/Kg	Carbon tetrachloride ug/Kg	Chlorobenzene ug/Kg	Chloroform ug/Kg
22	4	4	12/14/93		< 4	< 4	< 4	< 4	< 4	9100 J	< 4	< 4	< 4	< 4
22	4	8	12/14/93		< 5	< 5	< 5	< 5	< 5	2300	< 5	< 5	< 5	< 5
23	7	4	12/16/93		< 5	< 5	< 5	< 5	< 5	8100 J	< 5	< 5	< 5	< 5
23	7	8	12/16/93		< 5	< 5	< 5	< 5	< 5	990 J	< 5	< 5	< 5	< 5
23	7	8	12/16/93	D	< 4	< 4	< 4	< 4	< 4	6600 J	< 4	< 4	< 4	< 4
24	8	4	12/16/93		< 5	< 5	< 5	< 5	< 5	990 J	< 5	< 5	< 5	< 5
24	8	4	12/16/93	D	< 5	< 5	< 5	< 5	< 5	230 J	< 5	< 5	< 5	< 5
24	8	8	12/16/93		< 5	< 5	< 5	< 5	< 5	270	< 5	< 5	< 5	< 5
24	8	8	12/16/93	D	< 5	< 5	< 5	< 5	< 5	340	< 5	< 5	< 5	< 5
25	5	4	12/16/93		< 5	< 5	< 5	< 5	< 5	540	< 5	< 5	< 5	< 5
26	6	4	12/16/93		< 5	< 5	< 5	< 5	< 5	510	< 5	< 5	< 5	< 5
27	8	4	12/16/93		< 5	< 5	< 5	< 5	< 5	400	< 5	< 5	< 5	< 5
27	8	8	12/16/93		< 5	< 5	< 5	< 5	< 5	330	< 5	< 5	< 5	< 5
28	5	4	12/16/93		< 5	< 5	< 5	< 5	< 5	1200	< 5	< 5	< 5	< 5
28	5	8	12/16/93		< 5	< 5	< 5	< 5	< 5	1600	< 5	< 5	< 5	< 5
29	8	4	12/16/93		< 5	< 5	< 5	< 5	< 5	840	< 5	< 5	< 5	< 5
29	8	8	12/16/93		45	4 J	< 5	5 J	< 5	990 J	< 5	< 5	< 5	8
30	9	4	12/16/93		81 J	< 5	< 5	< 5	< 5	1200 J	< 5	< 5	< 5	< 5
30	9	4	12/16/93	D	2700 J	< 3962	< 3962	< 3962	< 3962	< 39620 R	< 3962	< 3962	< 3962	< 3962
30	9	8	12/16/93		< 5	< 5	< 5	< 5	< 5	590 J	< 5	< 5	< 5	< 5
31	1	8	12/15/93		< 5	< 5	< 5	< 5	< 5	870	< 5	< 5	< 5	< 5

TABLE 6.1

SOIL DATA
WAUSAU WATER SUPPLY NPL SITE
EAST BANK - PRE STARTUP - 1993

Grid	Sub-Grid	Depth	Date	Dup	1,1,1-Trichloroethane ug/Kg	1,1,2-Trichloroethane ug/Kg	1,1,2-Trichlorotrifluoroethane ug/Kg	1,1-Dichloroethane ug/Kg	1,1-Dichloroethene ug/Kg	Acetone ug/Kg	Benzene ug/Kg	Carbon tetrachloride ug/Kg	Chlorobenzene ug/Kg	Chloroform ug/Kg
31	1	8	12/15/93	D	< 5	< 5	< 5	< 5	< 5	390	< 5	< 5	< 5	< 5
32	1	4	12/15/93		< 5	< 5	< 5	< 5	< 5	2200	< 5	< 5	< 5	< 5
32	1	8	12/15/93		< 5	< 5	< 5	< 5	< 5	450	< 5	< 5	< 5	< 5
33	6	4	12/15/93		< 5	< 5	< 5	< 5	< 5	2900	< 5	< 5	< 5	< 5
34	6	4	12/15/93		< 4	< 4	< 4	< 4	< 4	2100 J	< 4	< 4	< 4	< 4
34	6	4	12/15/93	D	< 12	< 12	< 12	< 12	< 12	7200 J	< 12	< 12	< 12	< 12
34	6	8	12/15/93		< 5	< 5	< 5	< 5	< 5	3700	< 5	< 5	< 5	< 5
35	8	4	12/15/93		< 4	< 4	< 4	< 4	< 4	4500 J	< 4	< 4	< 4	< 4
35	8	8	12/15/93		< 5	< 5	< 5	< 5	< 5	820	< 5	< 5	< 5	< 5

TABLE 6.1

SOIL DATA
WAUSAU WATER SUPPLY NPL SITE
EAST BANK - PRE STARTUP - 1993

Grid	Sub-Grid	Depth	Date	Dup	Chloromethane ug/Kg	cis-1,2 Dichloroethene ug/Kg	Ethylbenzene ug/Kg	m/p-Xylene ug/Kg	Methyl ethyl ketone ug/Kg	Methyl isobutyl ketone ug/Kg	Methylene chloride ug/Kg	o-Xylene ug/Kg	Tetrachloroethene ug/Kg
1	9	4	12/14/93		< 6 UJ	< 6	< 6	< 6	< 55	< 55	< 75 UJ	< 6	15
1	9	8	12/14/93		< 5 UJ	< 5	< 5	< 5	< 45	< 45	9 J	< 5	3 J
2	8	4	12/14/93		< 5 UJ	< 5	< 5	< 5	< 54	< 54	< 21 UJ	< 5	8
2	8	8	12/14/93		< 5 UJ	< 5	< 5	< 5	< 46	< 46	< 46 UJ	< 5	3 J
3	6	4	12/14/93		< 11 UJ	< 11	< 11	< 11	< 114	< 114	40 J	< 11	< 15 U
4	7	4	12/14/93		< 4 UJ	< 4	< 4	< 4	< 42	< 42	< 8	< 4	3 J
4	7	8	12/14/93		< 5 UJ	< 5	< 5	< 5	< 45	< 45	9 J	< 5	3 J
5	7	4	12/14/93		< 5 UJ	< 5	< 5	< 5	< 51	< 51	10 J	< 5	2300 J
5	7	8	12/14/93		< 4 UJ	< 4	< 4	< 4	< 41	< 41	< 8	< 4	4 J
6	7	4	12/14/93		< 5 UJ	< 5	< 5	< 5	< 52	< 52	10 J	< 5	39
6	7	8	12/14/93		< 5 UJ	< 5	< 5	< 5	< 47	< 47	9 J	4 J	130
7	2	4	12/17/93		< 5 UJ	< 5	< 5	< 5	< 50	< 50 UJ	10 J	< 5	6
7	2	8	12/17/93		< 5	< 5	< 5	< 5	< 51	< 51	10 J	< 5	< 5
8	1	4	12/17/93		< 5 UJ	< 5	< 5	< 5	< 49	< 49 UJ	10 J	< 5	< 5
8	1	8	12/17/93		< 5 UJ	< 5	< 5	< 5	< 53	< 53 UJ	11 J	< 5	< 5
9	2	4	12/17/93		< 5	< 5	< 5	< 5	< 46	< 46	< 10 U	< 5	8
9	2	8	12/17/93		< 5	< 5	< 5	< 5	< 46	< 46	< 10 U	< 5	25
10	6	4	12/15/93		< 5 UJ	< 5	< 5	< 5	< 54	< 54	< 29 UJ	< 5	69
10	6	8	12/15/93		< 5 UJ	< 5	< 5	< 5	< 49	< 49	< 11 UJ	< 5	< 10 U
10	6	8	12/15/93	D	< 4 UJ	< 4	< 4	< 4	< 45	< 45	< 15 UJ	< 4	< 9 U
11	3	4	12/18/93		< 5	< 5	< 5	< 5	< 51	< 51	< 10	< 5	4 J

TABLE 6.1

SOIL DATA
WAUSAU WATER SUPPLY NPL SITE
EAST BANK - PRE STARTUP - 1993

Grid	Sub-Grid	Depth	Date	Dup	Chloromethane ug/Kg	cis-1,2-Dichloroethene ug/Kg	Ethylbenzene ug/Kg	m/p-Xylene ug/Kg	Methyl ethyl ketone ug/Kg	Methyl isobutyl ketone ug/Kg	Methylene chloride ug/Kg	o-Xylene ug/Kg	Tetrachloroethene ug/Kg
11	3	8	12/18/93		< 4	< 4	< 4	< 4	< 44	< 44	9 J	< 4	4 J
12	8	4	12/18/93		< 4	< 4	< 4	< 4	< 41	< 41	< 8	< 4	42
12	8	8	12/18/93		< 5	< 5	< 5	< 5	< 54	< 54	< 11	< 5	43
13	5	4	12/17/93		< 6 UJ	< 6	< 6	< 6	< 61	< 61 UJ	14	< 6	140
13	5	8	12/17/93		< 5 UJ	< 5	< 5	< 5	< 52	< 52 UJ	< 10	< 5	48
13	5	8	12/17/93	D	< 5 UJ	< 5	< 5	< 5	< 48	< 48 UJ	21	< 5	31
14	8	4	12/17/93		< 21 UJ	< 21	< 21	< 21	< 214	< 214 UJ	< 43	< 21	1800
14	8	8	12/17/93		< 6 UJ	< 6	< 6	< 6	< 56	< 56 UJ	11 J	< 6	12
15	5	4	12/17/93		< 5	< 5	< 5	< 5	< 46	< 46	< 12 U	< 5	58
16	8	4	12/17/93		< 9	9 J	< 9	< 9	< 92	< 92	< 18	< 9	350
16	8	8	12/17/93		< 16	< 16	< 16	< 16	< 156	< 156	< 31	< 16	9 J
17	6	4	12/17/93		< 433	< 433	< 433	< 433	5200	< 4325	< 865	< 433	9800
17	6	8	12/17/93		< 12	< 12	< 12	< 12	< 123	< 123	24 J	< 12	15
18	2	4	12/15/93		< 5 UJ	< 5	< 5	< 5	< 52	< 52	< 11 UJ	< 5	90
18	2	8	12/15/93		< 5 UJ	< 5	< 5	< 5	< 47	< 47	< 13 UJ	< 5	< 11 U
19	6	4	12/13/93		< 4 UJ	< 4	< 4	< 4 U	< 43	< 43	< 28 UJ	< 4	3500 J
19	6	8	12/13/93		< 446 UJ	< 446	1700	11000	< 4464	< 4464	< 893	7600	590000
20	5	4	12/13/93		< 4 UJ	< 4	7	44	< 44	< 44	9 J	32	790
20	5	8	12/13/93		< 5 UJ	< 5	< 5	< 5	< 51	< 51	< 15 UJ	< 5	110
21	5	4	12/15/93		< 6 UJ	< 6	< 6	< 6	< 57	< 57	< 17 UJ	< 6	67
21	5	8	12/15/93		< 4 UJ	< 4	< 4	< 4	< 44	< 44	< 14 UJ	< 4	< 10 U

TABLE 6.1

SOIL DATA
WAUSAU WATER SUPPLY NPL SITE
EAST BANK - PRE STARTUP - 1993

Grid	Sub-Grid	Depth	Date	Dup	Chloromethane ug/Kg	cis-1,2-Dichloroethene ug/Kg	Ethylbenzene ug/Kg	m/p-Xylene ug/Kg	Methyl ethyl ketone ug/Kg	Methyl isobutyl ketone ug/Kg	Methylene chloride ug/Kg	o-Xylene ug/Kg	Tetrachloroethene ug/Kg
22	4	4	12/14/93		< 4 UJ	< 4	< 4	2 J	< 39	< 39	8 J	< 4	29
22	4	8	12/14/93		< 5 UJ	< 5	< 5	< 5	< 47	< 47	9 J	< 5	6
23	7	4	12/16/93		< 5	< 5	< 5	< 5	< 50	< 50	10 J	< 5	19
23	7	8	12/16/93		< 5	< 5	< 5	< 5	< 53	< 53	< 20 UJ	< 5	16 J
23	7	8	12/16/93	D	< 4	< 4	< 4	< 4	< 44	< 44	< 20 UJ	< 4	49 J
24	8	4	12/16/93		< 5	< 5	< 5	< 5	< 51	< 51	< 21 UJ	< 5	260 J
24	8	4	12/16/93	D	< 5	< 5	< 5	< 5	< 50	< 50	< 13 UJ	< 5	13 J
24	8	8	12/16/93		< 5	< 5	< 5	< 5	< 49	< 49	< 12 UJ	< 5	4 J
24	8	8	12/16/93	D	< 5	< 5	< 5	< 5	< 51	< 51	< 13 UJ	< 5	3 J
25	5	4	12/16/93		< 5	< 5	< 5	< 5	< 51	< 51	< 11 UJ	< 5	370
26	6	4	12/16/93		< 5	< 5	< 5	< 5	< 51	< 51	10 J	< 5	520
27	8	4	12/16/93		< 5	< 5	< 5	< 5	< 47	< 47	9 J	< 5	16
27	8	8	12/16/93		< 5	< 5	< 5	< 5	< 51	< 51	10 J	< 5	< 5
28	5	4	12/16/93		< 5	< 5	< 5	< 5	< 52	< 52	10 J	< 5	37
28	5	8	12/16/93		< 5	< 5	< 5	< 5	< 53	< 53	11 J	< 5	140
29	8	4	12/16/93		< 5	8	< 5	< 5	< 48	< 48	10 J	< 5	300
29	8	8	12/16/93		< 5 UJ	820	< 5	< 5	< 54	< 54	33 J	< 5	9300
30	9	4	12/16/93		< 5 UJ	9	88 J	100 J	< 53	< 53	11 J	470 J	148000 J
30	9	4	12/16/93	D	< 3962	< 3962	4300 J	19000 J	< 39620	< 39620	< 7924	370000 J	14000000 J
30	9	8	12/16/93		< 5 UJ	< 5	< 5	4 J	< 51	< 51	10 J	5 J	< 96 U
31	1	8	12/15/93		< 5 UJ	< 5	< 5	< 5	< 50	< 50	< 26 UJ	< 5	< 25 U

TABLE 6.1

SOIL DATA
WAUSAU WATER SUPPLY NPL SITE
EAST BANK - PRE STARTUP - 1993

Grid	Sub-Grid	Depth	Date	Dup	Chloromethane ug/Kg	cis-1,2-Dichloroethene ug/Kg	Ethylbenzene ug/Kg	m/p-Xylene ug/Kg	Methyl ethyl ketone ug/Kg	Methyl isobutyl ketone ug/Kg	Methylene chloride ug/Kg	o-Xylene ug/Kg	Tetrachloroethene ug/Kg
31	1	8	12/15/93	D	< 5 UJ	< 5	< 5	< 5	< 49	< 49	< 13 UJ	< 5	< 16 U
32	1	4	12/15/93		< 5 UJ	< 5	< 5	< 5	< 50	< 50	< 18 UJ	< 5	< 19 U
32	1	8	12/15/93		< 5 UJ	< 5	< 5	< 5	< 47	< 47	< 10 UJ	< 5	< 20 U
33	6	4	12/15/93		< 5 UJ	< 5	< 5	< 5	< 50	< 50	< 14 UJ	< 5	< 21 U
34	6	4	12/15/93		< 4 UJ	< 4	< 4	< 4	< 44	< 44	< 11 UJ	< 4	55
34	6	4	12/15/93	D	< 12 UJ	< 12	< 12	< 12	< 121	< 121	31 J	< 12	< 35 U
34	6	8	12/15/93		< 5 UJ	< 5	< 5	< 5	< 52	< 52	< 16 UJ	< 5	50
35	8	4	12/15/93		< 4 UJ	< 4	< 4	2 J	< 42	< 42	< 11 UJ	< 4	200
35	8	8	12/15/93		< 5 UJ	< 5	< 5	< 5	< 52	< 52	< 25 UJ	< 5	6

TABLE 6.1

SOIL DATA
WAUSAU WATER SUPPLY NPL SITE
EAST BANK - PRE STARTUP - 1993

Grid	Sub-Grid	Depth	Date	Dup	Toluene ug/Kg	trans-1,2-Dichloroethene ug/Kg	Trichloroethene ug/Kg	Vinyl chloride ug/Kg
1	9	4	12/14/93		6	< 6	< 6	< 6
1	9	8	12/14/93		5	< 5	< 5	< 5
2	8	4	12/14/93		3 J	< 5	< 5	< 5
2	8	8	12/14/93		3 J	< 5	< 5	< 5
3	6	4	12/14/93		15	< 11	< 11	< 11
4	7	4	12/14/93		3 J	< 4	< 4	< 4
4	7	8	12/14/93		13	< 5	< 5	< 5
5	7	4	12/14/93		< 5	< 5	4 J	< 5
5	7	8	12/14/93		27	< 4	< 4	< 4
6	7	4	12/14/93		5 J	< 5	< 5	< 5
6	7	8	12/14/93		13	< 5	< 5	< 5
7	2	4	12/17/93		5	< 5	< 5	< 5
7	2	8	12/17/93		12	< 5	< 5	< 5
8	1	4	12/17/93		29	< 5	< 5	< 5
8	1	8	12/17/93		14	< 5	< 5	< 5
9	2	4	12/17/93		< 5	< 5	< 5	< 5
9	2	8	12/17/93		< 5	< 5	< 5	< 5
10	6	4	12/15/93		< 5	< 5	4 J	< 5
10	6	8	12/15/93		< 5	< 5	< 5	< 5
10	6	8	12/15/93	D	3 J	< 4	< 4	< 4
11	3	4	12/18/93		< 5	< 5	< 5	< 5

TABLE 6.1

SOIL DATA
WAUSAU WATER SUPPLY NPL SITE
EAST BANK - PRE STARTUP - 1993

Grid	Sub-Grid	Depth	Date	Dup	Toluene ug/Kg	trans-1,2-Dichloroethene ug/Kg	Trichloroethene ug/Kg	Vinyl chloride ug/Kg
11	3	8	12/18/93		5	< 4	< 4	< 4
12	8	4	12/18/93		< 4	< 4	2 J	< 4
12	8	8	12/18/93		< 5	< 5	< 5	< 5
13	5	4	12/17/93		31	< 6	21	< 6
13	5	8	12/17/93		7	< 5	5 J	< 5
13	5	8	12/17/93	D	9	< 5	< 5	< 5
14	8	4	12/17/93		170	< 21	11 J	< 21
14	8	8	12/17/93		< 6	< 6	< 6	< 6
15	5	4	12/17/93		< 5	< 5	< 5	< 5
16	8	4	12/17/93		< 9	< 9	10	< 9
16	8	8	12/17/93		< 16	< 16	< 16	< 16
17	6	4	12/17/93		< 433	< 433	< 433	< 433
17	6	8	12/17/93		< 12	< 12	< 12	< 12
18	2	4	12/15/93		11	< 5	8	< 5
18	2	8	12/15/93		3 J	< 5	< 5	< 5
19	6	4	12/13/93		21 J	< 4	< 34 U	< 4
19	6	8	12/13/93		280 J	< 446	6400	< 446
20	5	4	12/13/93		5	< 4	< 43 U	< 4
20	5	8	12/13/93		16	< 5	8	< 5
21	5	4	12/15/93		< 6	< 6	< 6	< 6
21	5	8	12/15/93		3 J	< 4	< 4	< 4

TABLE 6.1

SOIL DATA
WAUSAU WATER SUPPLY NPL SITE
EAST BANK - PRE STARTUP - 1993

Grid	Sub-Grid	Depth	Date	Dup	Toluene ug/Kg	trans-1,2-Dichloroethene ug/Kg	Trichloroethene ug/Kg	Vinyl chloride ug/Kg
22	4	4	12/14/93		< 4	< 4	4	< 4
22	4	8	12/14/93		4 J	< 5	< 5	< 5
23	7	4	12/16/93		< 5	< 5	< 5	< 5
23	7	8	12/16/93		5 J	< 5	< 5	< 5
23	7	8	12/16/93	D	< 4	< 4	< 4	< 4
24	8	4	12/16/93		28	< 5	7	< 5
24	8	4	12/16/93	D	11	< 5	< 5	< 5
24	8	8	12/16/93		8	< 5	< 5	< 5
24	8	8	12/16/93	D	3 J	< 5	< 5	< 5
25	5	4	12/16/93		18	< 5	3 J	< 5
26	6	4	12/16/93		18	< 5	7	< 5
27	8	4	12/16/93		8	< 5	< 5	< 5
27	8	8	12/16/93		< 5	< 5	< 5	< 5
28	5	4	12/16/93		3 J	< 5	3 J	< 5
28	5	8	12/16/93		10	< 5	5 J	< 5
29	8	4	12/16/93		4 J	< 5	110	< 5
29	8	8	12/16/93		6	4 J	5400	< 5
30	9	4	12/16/93		6	< 5	2900 J	< 5
30	9	4	12/16/93	D	< 3962	< 3962	120000 J	< 3962
30	9	8	12/16/93		4 J	< 5	< 5	< 5
31	1	8	12/15/93		< 5	< 5	3 J	< 5

TABLE 6.1

SOIL DATA
WAUSAU WATER SUPPLY NPL SITE
EAST BANK - PRE STARTUP - 1993

Grid	Sub-Grid	Depth	Date	Dup	Toluene ug/Kg	trans-1,2-Dichloroethene ug/Kg	Trichloroethene ug/Kg	Vinyl chloride ug/Kg
31	1	8	12/15/93	D	4 J	< 5	< 5	< 5
32	1	4	12/15/93		5	< 5	< 5	< 5
32	1	8	12/15/93		< 5	< 5	< 5	< 5
33	6	4	12/15/93		11	< 5	< 5	< 5
34	6	4	12/15/93		3 J	< 4	< 4	< 4
34	6	4	12/15/93	D	7 J	< 12	< 12	< 12
34	6	8	12/15/93		5 J	< 5	4 J	< 5
35	8	4	12/15/93		4 J	< 4	< 4	< 4
35	8	8	12/15/93		< 5	< 5	< 5	< 5

TABLE 6.1A

SATURATED SOIL DATA
WAUSAU WATER SUPPLY NPL SITE
EAST BANK - PRE STARTUP - 1993

Grid	Sub-Grid	Depth	Date	Dup	1,1,1-Trichloroethane ug/Kg	1,1,2-Trichloroethane ug/Kg	1,1,2-Trichlorotrifluoroethane ug/Kg	1,1-Dichloroethane ug/Kg	1,1-Dichloroethene ug/Kg	Acetone ug/Kg	Benzene ug/Kg	Carbon tetrachloride ug/Kg
15	5	8	12/17/93	S	< 5	< 5	< 5	< 5	< 5	67	< 5	< 5
25	5	8	12/16/93	S	< 5	< 5	< 5	< 5	< 5	220	< 5	< 5
26	6	8	12/16/93	S	< 5	< 5	< 5	< 5	< 5	460	< 5	< 5
3	6	8	12/14/93	S	< 5	< 5	< 5	< 5	< 5	340	< 5	< 5
33	6	8	12/15/93	S	< 5	< 5	< 5	< 5	< 5	360	< 5	< 5

TABLE 6.1A

SATURATED SOIL DATA
WAUSAU WATER SUPPLY NPL SITE
EAST BANK - PRE STARTUP - 1993

Grid	Sub-Grid	Depth	Date	Dup	Chlorobenzene ug/Kg	Chloroform ug/Kg	Chloromethane ug/Kg	cis-1,2-Dichloroethene ug/Kg	Ethylbenzene ug/Kg	m/p-Xylene ug/Kg	Methyl ethyl ketone ug/Kg	Methyl isobutyl ketone ug/Kg
15	5	8	12/17/93	S	< 5	< 5	< 5	< 5	< 5	< 5	< 47	< 47
25	5	8	12/16/93	S	< 5	< 5	< 5	< 5	< 5	< 5	< 49	< 49
26	6	8	12/16/93	S	< 5	< 5	< 5	< 5	< 5	< 5	< 49	< 49
3	6	8	12/14/93	S	< 5	< 5	< 5 UJ	< 5	< 5	< 5	< 46	< 46
33	6	8	12/15/93	S	< 5	< 5	< 5 UJ	< 5	< 5	< 5	< 55	< 55

TABLE 6.1A

SATURATED SOIL DATA
WAUSAU WATER SUPPLY NPL SITE
EAST BANK - PRE STARTUP - 1993

Grid	Sub-Grid	Depth	Date	Dup	Methylene chloride ug/Kg	o-Xylene ug/Kg	Tetrachloroethene ug/Kg	Toluene ug/Kg	trans-1,2-Dichloroethene ug/Kg	Trichloroethene ug/Kg	Vinyl chloride ug/Kg
15	5	8	12/17/93	S	< 9	< 5	23	< 5	< 5	< 5	< 5
25	5	8	12/16/93	S	< 14 UJ	< 5	9	7	< 5	< 5	< 5
26	6	8	12/16/93	S	10 J	3 J	180	8	< 5	4 J	< 5
3	6	8	12/14/93	S	9 J	< 5	7	6	< 5	< 5	< 5
33	6	8	12/15/93	S	< 12 UJ	< 5	< 7 U	12	< 5	< 5	< 5

TABLE 6.2
SOIL DATA SUMMARY STATISTICS
WAUSAU WATER SUPPLY NPL SITE
EAST BANK - PRE START UP - 1993

Parameters	Units	Number of Samples	Number of Detects	Maximum Hit Value	Minimum Hit Value	Maximum Detection Limit	Minimum Detection Limit
1,1,1-TRICHLOROETHANE	UG/KG	69	3	2700.0000	45.0000	433.0000	4.0000
1,1,2-TRICHLORO-1,2,2-TRIF	UG/KG	69	0	--	--	1983.5000	4.0000
1,1,2-TRICHLOROETHANE	UG/KG	69	1	4.0000	4.0000	1983.5000	4.0000
1,1-DICHLOROETHENE	UG/KG	69	0	--	--	1983.5000	4.0000
2-BUTANONE	UG/KG	69	1	5200.0000	5200.0000	19836.5000	39.0000
4-METHYL-2-PENTANONE	UG/KG	69	0	--	--	19836.5000	39.0000
ACETONE	UG/KG	69	64	28400.0000	61.0000	4464.0000	92.0000
BENZENE	UG/KG	69	0	--	--	1983.5000	4.0000
CARBON TETRACHLORIDE	UG/KG	69	0	--	--	1983.5000	4.0000
CHLOROBENZENE	UG/KG	69	0	--	--	1983.5000	4.0000
CHLOROFORM	UG/KG	69	1	8.0000	8.0000	1983.5000	4.0000
CIS-1,2-DICHLOROETHENE	UG/KG	69	4	820.0000	8.0000	446.0000	4.0000
ETHYLBENZENE	UG/KG	69	3	4300.0000	7.0000	433.0000	4.0000
METHYLENE CHLORIDE	UG/KG	69	31	40.0000	8.0000	893.0000	8.0000
TETRACHLOROETHENE	UG/KG	69	55	14000000.000	3.0000	96.0000	5.0000
TOLUENE	UG/KG	69	49	280.0000	3.0000	433.0000	4.0000
TRANS-1,2-DICHLOROETHENE	UG/KG	69	1	4.0000	4.0000	1983.5000	4.0000
TRICHLOROETHENE	UG/KG	69	22	120000.0000	2.0000	433.0000	4.0000
VINYL CHLORIDE	UG/KG	69	0	--	--	1983.5000	4.0000
XYLENES, TOTAL	UG/KG	69	8	389000.0000	2.0000	433.0000	4.0000

TABLE 6.2
SOIL DATA SUMMARY STATISTICS
WAUSAU WATER SUPPLY NPL SITE
WEST BANK - PRE START UP - 1993

Parameters	Units	Required Cleanup Value	Number of Samples	Number of Detects	Arithmetic Mean	Coefficient of Variation	Geometric Mean	95% UCL Lognormal Distribution
1,1,1-TRICHLOROETHANE	UG/KG	12.0000	69	3	36.3043	5.1100	3.4938	4.4446
1,1,2-TRICHLORO-1,2,2-TRIF	UG/KG	20.0000	69	0	23.4312	5.2900	3.2814	4.0616
1,1,2-TRICHLOROETHANE	UG/KG	10.0000	69	1	23.4529	5.2800	3.3038	4.0891
1,1-DICHLOROETHENE	UG/KG	5.0000	69	0	23.4312	5.2900	3.2814	4.0616
2-BUTANONE	UG/KG	10.0000	69	1	278.4674	4.8700	33.3724	41.7568
4-METHYL-2-PENTANONE	UG/KG	10.0000	69	0	234.4457	5.2800	32.9507	40.7787
ACETONE	UG/KG	20.0000	69	64	2022.0507	1.9000	759.5709	1015.0444
BENZENE	UG/KG	5.0000	69	0	23.4312	5.2900	3.2814	4.0616
CARBON TETRACHLORIDE	UG/KG	5.0000	69	0	23.4312	5.2900	3.2814	4.0616
CHLOROBENZENE	UG/KG	43.0000	69	0	23.4312	5.2900	3.2814	4.0616
CHLOROFORM	UG/KG	5.0000	69	1	23.5109	5.2700	3.3371	4.1346
CIS-1,2-DICHLOROETHENE	UG/KG	12.0000	69	4	21.1812	4.9200	3.4245	4.2407
ETHYLBENZENE	UG/KG	331.0000	69	3	62.3333	5.3200	3.4811	4.4825
METHYLENE CHLORIDE	UG/KG	10.0000	69	31	23.4203	3.1100	10.5476	12.4504
TETRACHLOROETHENE	UG/KG	10.0000	69	55	111522.5145	7.6500	41.3500	72.3988
TOLUENE	UG/KG	28.0000	69	49	16.8406	2.7100	6.5303	8.0556
TRANS-1,2-DICHLOROETHENE	UG/KG	12.0000	69	1	23.4529	5.2800	3.3038	4.0891
TRICHLOROETHENE	UG/KG	10.0000	69	22	1070.2899	6.9500	5.4607	7.9767
VINYL CHLORIDE	UG/KG	5.0000	69	0	23.4312	5.2900	3.2814	4.0616
XYLENES, TOTAL	UG/KG	44.0000	69	8	3099.6304	7.5900	4.1428	5.9913

TABLE 6.3

SOIL DATA
WAUSAU WATER SUPPLY NPL SITE
EAST BANK - MID POINT - 1995

Grid	Sub-Grid	Depth	Date	Dup	1,1,2-Trichloroethane ug/Kg	1,1-Dichloroethene ug/Kg	Acetone ug/Kg	Benzene ug/Kg	Carbon tetrachloride ug/Kg	Chloroform ug/Kg	cis-1,2-Dichloroethene ug/Kg
1	1	4	8/8/95		< 3	< 3	87 J	< 3	< 3	< 3	< 3
1	1	8	8/8/95		< 4	< 4	58 J	< 4	< 4	< 4	< 4
2	2	4	8/8/95		< 4	< 4	< 19 UJ	< 4	< 4	< 4	< 4
2	2	8	8/8/95		< 5	< 5	1500 J	< 5	< 5	< 5	< 5
3	2	4	8/7/95		< 4	< 4	100 J	< 4	< 4	< 4	< 4
3	2	8	8/7/95		< 4	< 4	< 21 UJ	< 4	< 4	< 4	< 4
3	2	8	8/7/95	D	< 4	< 4	26 J	< 4	< 4	< 4	< 4
4	2	4	8/7/95		< 5	< 5	< 23 UJ	< 5	< 5	< 5	< 5
4	2	4	8/7/95	D	< 5	< 5	48 J	< 5	< 5	< 5	< 5
4	2	8	8/7/95		< 5	< 5	24 J	< 5	< 5	< 5	< 5
5	8	4	8/7/95		< 4	< 4	48 J	< 4	< 4	< 4	< 4
5	8	4	8/7/95	D	< 5	< 5	80 J	< 5	< 5	< 5	< 5
5	8	8	8/7/95		< 4	< 4	< 18 UJ	< 4	< 4	< 4	< 4
6	4	4	8/7/95		< 5	< 5	75 J	< 5	< 5	< 5	< 5
6	4	4	8/7/95	D	< 5	< 5	25 J	< 5	< 5	< 5	< 5
6	4	8	8/7/95		< 4	< 4	< 19 UJ	< 4	< 4	< 4	< 4
7	5	4	8/11/95		< 5	< 5	57	< 5	< 5	< 5	< 5
7	5	8	8/11/95		< 5	< 5	< 24	< 5	< 5	< 5	< 5
8	3	4	8/11/95		< 5	< 5	47 J	< 5	< 5	< 5	< 5
8	3	8	8/11/95		< 5	< 5	< 23	< 5	< 5	< 5	< 5
9	5	4	8/8/95		< 5	< 5	32 J	< 5	< 5	< 5	< 5
9	5	8	8/8/95		< 4	< 4	43 J	< 4	< 4	< 4	< 4
10	6	4	8/8/95		< 5	< 5	< 25	< 5	< 5	< 5	< 5

TABLE 6.3

SOIL DATA
WAUSAU WATER SUPPLY NPL SITE
EAST BANK - MID POINT - 1995

Grid	Sub-Grid	Depth	Date	Dup	1,1,2-Trichloroethane ug/Kg	1,1-Dichloroethene ug/Kg	Acetone ug/Kg	Benzene ug/Kg	Carbon tetrachloride ug/Kg	Chloroform ug/Kg	cis-1,2-Dichloroethene ug/Kg
10	6	4	8/8/95	D	< 5	< 5	32	< 5	< 5	< 5	< 5
10	6	8	8/8/95		< 4	< 4	< 21	< 4	< 4	< 4	< 4
11	9	4	8/8/95		< 5	< 5	570	< 5	< 5	< 5	< 5
11	9	8	8/8/95		< 10	< 10	1600	< 10	< 10	< 10	< 10
13	8	4	8/11/95		< 5	< 5	< 26	< 5	< 5	< 5	< 5
13	8	8	8/11/95		< 5	< 5	< 24	< 5	< 5	< 5	< 5
14	8	4	8/11/95		< 5	< 5	< 26	< 5	< 5	< 5	< 5
14	8	8	8/11/95		< 5	< 5	< 25	< 5	< 5	< 5	< 5
15	9	4	8/11/95		< 5	< 5	< 25	< 5	< 5	< 5	< 5
15	9	8	8/11/95		< 5	< 5	< 26	< 5	< 5	< 5	< 5
16	8	4	8/8/95		< 4	< 4	69	< 4	< 4	< 4	< 4
16	8	8	8/8/95		< 4	< 4	< 18	< 4	< 4	< 4	< 4
17	2	4	8/8/95		< 4	< 4	< 18	< 4	< 4	< 4	< 4
17	2	8	8/8/95		< 190	< 190	< 950	< 190	< 190	< 190	< 190
18	2	4	8/10/95		< 4	< 4	< 22	< 4	< 4	< 4	< 4
18	2	8	8/10/95		< 4	< 4	< 20	< 4	< 4	< 4	< 4
20	2	4	8/10/95		< 190	< 190	< 970	< 190	< 190	80	< 190
20	2	8	8/10/95		< 11	< 11	< 54 UJ	< 11	< 11	< 11	< 11
21	2	4	8/10/95		< 4	< 4	< 22	< 4	< 4	< 4	< 4
21	2	8	8/10/95		< 4	< 4	< 21	< 4	< 4	< 4	< 4
22	4	4	8/10/95		< 4	< 4	110	< 4	< 4	< 4	< 4
22	4	8	8/10/95		< 4	< 4	< 22 UJ	< 4	< 4	< 4	< 4
23	7	4	8/11/95		< 6	< 6	< 28	< 6	< 6	< 6	< 6

where is 19?

TABLE 6.3

SOIL DATA
WAUSAU WATER SUPPLY NPL SITE
EAST BANK - MID POINT - 1995

Grid	Sub-Grid	Depth	Date	Dup	1,1,2-Trichloroethane ug/Kg	1,1-Dichloroethene ug/Kg	Acetone ug/Kg	Benzene ug/Kg	Carbon tetrachloride ug/Kg	Chloroform ug/Kg	cis-1,2-Dichloroethene ug/Kg
23	7	8	8/11/95		< 11	< 11	< 57	< 11	< 11	< 11	< 11
24	9	4	8/9/95		< 5	< 5	55 J	< 5	< 5	< 5	< 5
24	9	8	8/9/95		< 5	< 5	150 J	< 5	< 5	< 5	< 5
25	6	4	8/9/95		< 4	< 4	200 J	< 4	< 4	< 4	< 4
25	6	8	8/9/95		< 5	< 5	82 J	< 5	< 5	< 5	< 5
26	7	4	8/9/95		< 5	< 5	100	< 5	< 5	< 5	< 5
26	7	8	8/9/95		< 5	< 5	130	< 5	< 5	< 5	< 5
27	4	4	8/9/95		< 5	< 5	28	< 5	< 5	< 5	< 5
27	4	8	8/9/95		< 5	< 5	49	< 5	< 5	< 5	< 5
28	6	4	8/9/95		< 5	< 5	33	< 5	< 5	< 5	< 5
28	6	8	8/9/95		< 4	< 4	< 42 U	< 4	< 4	< 4	< 4
29	2	4	8/9/95		< 5 UJ	< 5 UJ	240 J	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ
29	2	8	8/9/95		< 5	< 5	< 31 U	< 5	< 5	< 5	< 5
30	9	4	8/9/95		< 5	< 5	< 27	< 5	< 5	< 5	< 5
30	9	8	8/9/95		< 5	< 5	25	< 5	< 5	< 5	< 5
31	7	4	8/10/95		< 4	< 4	< 21	< 4	< 4	< 4	< 4
31	7	8	8/10/95		< 4	< 4	< 26 U	< 4	< 4	< 4	< 4
32	9	4	8/10/95		< 5	< 5	< 24	< 5	< 5	< 5	< 5
32	9	8	8/10/95		< 4	< 4	< 22	< 4	< 4	< 4	< 4
33	7	4	8/10/95		< 5	< 5	< 26 UJ	< 5	< 5	< 5	< 5
33	7	8	8/10/95		< 5	< 5	40 J	< 5	< 5	< 5	< 5
34	8	4	8/11/95		< 5	< 5	34	< 5	< 5	< 5	< 5
34	8	8	8/11/95		< 5	< 5	42	< 5	< 5	< 5	< 5

TABLE 6.3

SOIL DATA
WAUSAU WATER SUPPLY NPL SITE
EAST BANK - MID POINT - 1995

Grid	Sub-Grid	Depth	Date	Dup	1,1,2-Trichloroethane ug/Kg	1,1-Dichloroethene ug/Kg	Acetone ug/Kg	Benzene ug/Kg	Carbon tetrachloride ug/Kg	Chloroform ug/Kg	cis-1,2-Dichloroethene ug/Kg
35	6	4	8/11/95		< 5	< 5	< 24 UJ	< 5	< 5	< 5	< 5
35	6	4	8/11/95	D	< 210 UJ	< 210 UJ	< 1100 UJ	< 210 UJ	< 210 UJ	< 210 UJ	< 210 UJ
35	6	8	8/11/95		< 5	< 5	< 23 UJ	< 5	< 5	< 5	< 5

TABLE 6.3

SOIL DATA
WAUSAU WATER SUPPLY NPL SITE
EAST BANK - MID POINT - 1995

Grid	Sub-Grid	Depth	Date	Dup	Ethylbenzene ug/Kg	m/p-Xylene ug/Kg	Methylene chloride ug/Kg	o-Xylene ug/Kg	Tetrachloroethene ug/Kg	Toluene ug/Kg	Trichloroethene ug/Kg	Vinyl chloride ug/Kg
1	1	4	8/8/95		< 3	2	< 7	< 3	< 3	4	< 3	< 3
1	1	8	8/8/95		< 4	< 4	< 8	< 4	< 4	< 4	< 4	< 4
2	2	4	8/8/95		< 4	< 4	< 8	< 4	24	4	< 4	< 4
2	2	8	8/8/95		< 5 UJ	< 5	< 9	< 5	3	2	< 5	< 5
3	2	4	8/7/95		< 4	< 4	< 8	< 4	19	< 4	< 4	< 4
3	2	8	8/7/95		< 4	< 4	< 8	< 4	1	3	< 4	< 4
3	2	8	8/7/95	D	< 4	< 4	< 8	< 4	< 4	8	< 4	< 4
4	2	4	8/7/95		< 5	< 5	< 30 U	< 5	62	< 5	< 5	< 5
4	2	4	8/7/95	D	< 5	< 5	< 21 U	< 5	36	< 5	< 5	< 5
4	2	8	8/7/95		< 5	< 5	< 21 U	< 5	73	< 5	< 5	< 5
5	8	4	8/7/95		< 4	< 4	< 22 U	< 4	< 4	2	< 4	< 4
5	8	4	8/7/95	D	< 5	1	< 33 U	< 5	< 5	3	< 5	< 5
5	8	8	8/7/95		< 4	< 4	< 19 U	< 4	< 4	3	< 4	< 4
6	4	4	8/7/95		< 5	2	< 18 U	< 5	89	< 5	< 5	< 5
6	4	4	8/7/95	D	< 5	< 5	< 25 U	< 5	44	4	< 5	< 5
6	4	8	8/7/95		< 4	< 4	< 17 U	< 4	< 4	2	< 4	< 4
7	5	4	8/11/95		< 5	< 5	< 10	< 5	< 5	2	< 5	< 5
7	5	8	8/11/95		< 5	< 5 U	< 10	< 5	< 5	2	< 5	< 5
8	3	4	8/11/95		< 5	2	< 9	< 5	< 5	2	< 5	< 5
8	3	8	8/11/95		< 5	2	< 9	< 5	< 5	2	< 5	< 5
9	5	4	8/8/95		< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
9	5	8	8/8/95		< 4	< 4	< 9	< 4	< 4	< 4	< 4	< 4
10	6	4	8/8/95		< 5	< 5	< 10	< 5	< 5	2	< 5	< 5

TABLE 6.3

SOIL DATA
WAUSAU WATER SUPPLY NPL SITE
EAST BANK - MID POINT - 1995

Grid	Sub-Grid	Depth	Date	Dup	Ethylbenzene ug/Kg	m/p-Xylene ug/Kg	Methylene chloride ug/Kg	o-Xylene ug/Kg	Tetrachloroethene ug/Kg	Toluene ug/Kg	Trichloroethene ug/Kg	Vinyl chloride ug/Kg
10	6	4	8/8/95	D	< 5	< 5	< 10	< 5	1	< 5	< 5	< 5
10	6	8	8/8/95		< 4	< 4	< 9	< 4	5	< 4	< 4	< 4
11	9	4	8/8/95		< 5	< 5	< 10	< 5	4	< 5	< 5	< 5
11	9	8	8/8/95		< 10	< 10	< 20 UJ	< 10	26	< 10	< 10	< 10
13	8	4	8/11/95		< 5	< 5	< 11	< 5	< 5	2	< 5	< 5
13	8	8	8/11/95		< 5	< 5	< 10	< 5	< 5	2	< 5	< 5
14	8	4	8/11/95		< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
14	8	8	8/11/95		< 5	2	< 10	< 5	< 5	2	< 5	< 5
15	9	4	8/11/95		< 5	< 5	< 10	< 5	3	< 5	< 5	< 5
15	9	8	8/11/95		< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
16	8	4	8/8/95		< 4	< 4	< 8	< 4	2	< 4	< 4	< 4
16	8	8	8/8/95		< 4	< 4	< 7	< 4	< 4	< 4	< 4	< 4
17	2	4	8/8/95		< 4	< 4	< 7	< 4	17	< 4	< 4	< 4
17	2	8	8/8/95		< 190	< 190	< 380	< 190	< 190	< 190	< 190	< 190
18	2	4	8/10/95		< 4	< 4	< 11 U	< 4	< 4	< 4	< 4	< 4
18	2	8	8/10/95		< 4	< 4	< 10 U	< 4	< 4	< 4	< 4	< 4
20	2	4	8/10/95		< 190	< 190	< 390	55	16000	84	220	< 190
20	2	8	8/10/95		66	150	< 22	91	380	300	20	< 11
21	2	4	8/10/95		< 4	< 4	< 22 U	< 4	< 4	< 4	< 4	< 4
21	2	8	8/10/95		< 4	< 4	< 16 U	< 4	< 4	< 4	< 4	< 4
22	4	4	8/10/95		< 4	< 4	< 11 U	< 4	< 4	< 4	< 4	< 4
22	4	8	8/10/95		< 4	< 4	< 9	< 4	< 4	< 4 U	< 4	< 4
23	7	4	8/11/95		< 6	< 6	< 11	< 6	4	< 6	< 6	< 6

TABLE 6.3

SOIL DATA
WAUSAU WATER SUPPLY NPL SITE
EAST BANK - MID POINT - 1995

Grid	Sub-Grid	Depth	Date	Dup	Ethylbenzene ug/Kg	m/p-Xylene ug/Kg	Methylene chloride ug/Kg	o-Xylene ug/Kg	Tetrachloroethene ug/Kg	Toluene ug/Kg	Trichloroethene ug/Kg	Vinyl chloride ug/Kg
23	7	8	8/11/95		< 11	< 11	< 23	< 11	220	< 11	< 11	< 11
24	9	4	8/9/95		< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
24	9	8	8/9/95		< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
25	6	4	8/9/95		< 4	< 4	< 7	< 4	< 4	< 4	< 4	< 4
25	6	8	8/9/95		< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
26	7	4	8/9/95		< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
26	7	8	8/9/95		< 5	< 5	< 9	< 5	< 5	< 5	< 5	< 5
27	4	4	8/9/95		< 5	< 5	< 11	< 5	< 5	< 5	< 5	< 5
27	4	8	8/9/95		< 5	< 5	< 11	< 5	< 5	< 5	< 5	< 5
28	6	4	8/9/95		< 5	< 5	< 9	< 5	< 5	< 5	< 5	< 5
28	6	8	8/9/95		< 4	< 4	< 10 U	< 4	< 4	< 4	< 4	< 4
29	2	4	8/9/95		< 5 UJ	< 5 UJ	< 10 UJ	< 5 UJ	44 J	< 5 UJ	8 J	< 5 UJ
29	2	8	8/9/95		< 5	< 5	< 9	< 5	< 5	< 5 U	< 5	< 5
30	9	4	8/9/95		< 5	< 5	< 11	< 5	26	< 5	4	< 5
30	9	8	8/9/95		< 5	< 5	< 9	< 5	< 5	< 5	< 5	< 5
31	7	4	8/10/95		< 4	< 4	< 8	< 4	< 4	< 4	< 4	< 4
31	7	8	8/10/95		< 4	< 4	< 12 U	< 4	< 4	< 4	< 4	< 4
32	9	4	8/10/95		< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
32	9	8	8/10/95		< 4	< 4	< 9	< 4	< 4	< 4	< 4	< 4
33	7	4	8/10/95		< 5	< 5	< 10	< 5	6	8	< 5	< 5
33	7	8	8/10/95		< 5	< 5	< 9	< 5	< 5	< 4 U	< 5	< 5
34	8	4	8/11/95		< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
34	8	8	8/11/95		< 5	< 5	< 9	< 5	< 5	< 5	< 5	< 5

TABLE 6.3

SOIL DATA
WAUSAU WATER SUPPLY NPL SITE
EAST BANK - MID POINT - 1995

Grid	Sub-Grid	Depth	Date	Dup	Ethylbenzene ug/Kg	m/p-Xylene ug/Kg	Methylene chloride ug/Kg	o-Xylene ug/Kg	Tetrachloroethene ug/Kg	Toluene ug/Kg	Trichloroethene ug/Kg	Vinyl chloride ug/Kg
35	6	4	8/11/95		< 5	< 5	< 9	< 5	7 J	< 5 UJ	< 5 UJ	< 5
35	6	4	8/11/95	D	< 210 UJ	< 210 UJ	< 430 UJ	< 210 UJ	4500 J	83 J	120 J	< 210 UJ
35	6	8	8/11/95		< 5	< 5	< 9	< 5	< 5	2	< 5	< 5

TABLE 6.3A

SATURATED SOIL DATA
WAUSAU WATER SUPPLY NPL SITE
EAST BANK - MID POINT - 1995

Grid	Sub-Grid	Depth	Date	Dup	1,1,1-Trichloroethane ug/Kg	1,1,2-Trichloroethane ug/Kg	1,1,2-Trichlorotrifluoroethane ug/Kg	1,1-Dichloroethane ug/Kg	1,1-Dichloroethene ug/Kg	Acetone ug/Kg	Benzene ug/Kg	Carbon tetrachloride ug/Kg
22	4	9	8/10/95	S		< 4			< 4	< 20	< 4	< 4
27	4	11	8/9/95	S		< 5			< 5	< 25	< 5	< 5
3	2	11	8/7/95	S		< 4			< 4	25 J	< 4	< 4
34	8	9	8/11/95	S		< 6			< 6	< 28	< 6	< 6
4	2	13	8/7/95	S		< 5			< 5	< 24 UJ	< 5	< 5

TABLE 6.3A

SATURATED SOIL DATA
WAUSAU WATER SUPPLY NPL SITE
EAST BANK - MID POINT - 1995

Grid	Sub-Grid	Depth	Date	Dup	Chlorobenzene ug/Kg	Chloroform ug/Kg	Chloromethane ug/Kg	cis-1,2-Dichloroethene ug/Kg	Ethylbenzene ug/Kg	m/p-Xylene ug/Kg	Methyl ethyl ketone ug/Kg	Methyl isobutyl ketone ug/Kg
22	4	9	8/10/95	S		< 4		< 4	< 4	< 4		
27	4	11	8/9/95	S		< 5		< 5	< 5	< 5		
3	2	11	8/7/95	S		< 4		< 4	< 4	< 4		
34	8	9	8/11/95	S		< 6		< 6	< 6	< 6		
4	2	13	8/7/95	S		< 5		< 5	< 5	< 5		

TABLE 6.3A

SATURATED SOIL DATA
WAUSAU WATER SUPPLY NPL SITE
EAST BANK - MID POINT - 1995

Grid	Sub-Grid	Depth	Date	Dup	Methylene chloride ug/Kg	o-Xylene ug/Kg	Tetrachloroethene ug/Kg	Toluene ug/Kg	trans-1,2-Dichloroethene ug/Kg	Trichloroethene ug/Kg	Vinyl chloride ug/Kg
22	4	9	8/10/95	S	< 11 U	< 4	< 4	< 4		< 4	< 4
27	4	11	8/9/95	S	< 10	< 5	< 5	< 5		< 5	< 5
3	2	11	8/7/95	S	< 9	< 4	< 4	8		< 4	< 4
34	8	9	8/11/95	S	< 11	< 6	1	< 6		< 6	< 6
4	2	13	8/7/95	S	< 22 U	< 5	22	2		< 5	< 5

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MEMO

FACT

TO: Brian Boevers

REFERENCE NO: 3978-20

CC: Steve Day
Miles Phillips

FROM: Ruth M. Lewis

DATE: October 2, 1995

RE: Data Quality Assessment and Validation for Soil Samples Collected during the August 1995 Sampling Event at the Wausau Superfund Site in Wausau, Wisconsin

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The following details a data quality assessment and validation for soil samples collected during the August 1995 sampling event at the Wausau Superfund Site in Wausau, Wisconsin. The samples identified in Table 1 were analyzed for volatile organic compounds (VOC)[1]. The analyses were performed by Enviroscan, Corp. (Enviroscan) of Rothschild, Wisconsin. The quality assurance criteria were established in the associated Quality Assurance Project Plan (QAPjP).[2]

Holding Time Requirements

The holding time period for VOC analysis is 14 days from sample collection to completion of analysis. On the basis of sample collection dates on the chain-of-custody forms and the analytical report provided by the laboratory, the analyses were completed within the specified holding time period.

Initial Calibration

Initial calibration data were used to demonstrate that each instrument was capable of generating acceptable quantitative data. The acceptance criteria for VOC analytes required a mean relative response factor (RRF) greater than or equal to 0.050. Percent relative standard deviations (%RSDs) for all analytes were required to be less than or equal to 30. The VOC initial calibration results were within acceptance criteria.

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1 VOC method 8260 was derived from "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846 3rd edition, November 1986 with its revisions and updates

2 Application of quality assurance criteria was consistent with "National Functional Guidelines for Organic Data Review", December 1990 (Revised June 1991).

Continuing Calibration

To ensure that each instrument was capable of producing quantitative results over the specified analysis period, routine checks upon the instrument calibration were performed. For VOC analyses, daily response factors were required to be greater than or equal to 0.050. Percent difference between mean RRF and daily RRF for all analyses were required to be less than or equal to 25. The majority of continuing calibration results for VOC analyses were within acceptance criteria. Table 2 lists the analytes that failed the calibration acceptance criteria. Associated sample data should be qualified as noted in the table.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Results

To assess the long term accuracy and precision of the analytical method on various matrices, matrix spike percent recoveries and relative percent difference (RPD) of the recoveries were determined for the analyses. Table 3 lists the outlying matrix spike sample results. Associated sample data should be qualified as noted in the table. The remaining percent recovery and RPD data were within acceptance criteria, indicating an adequate level of accuracy and precision was achieved.

Method Blank Samples

Contamination of the samples contributed by laboratory conditions or procedures was monitored by the concurrent preparation and analysis of method blank samples. The method blank samples were generally reported to be free from detectable concentrations of target analytes or yielded positive concentrations of target analytes within acceptance criteria, indicating that no significant laboratory contamination occurred. Several method blank samples yielded positive concentrations of target analytes outside acceptance criteria. As a result, associated sample data presented in Table 4 should be qualified as non-detect (U).

Surrogate Compound Percent Recoveries (Surrogate Recoveries)

Individual sample performance for VOC analyses was monitored by surrogate recoveries. The VOC surrogate recoveries were within acceptance criteria with the exception of the dibromofluoromethane surrogate which yielded a low recovery for sample S-080995-JM-039. As a result, the associated positive and negative VOC results for sample S-080995-JM-039 should be qualified as estimated (J/UJ).

Coelution of Compounds

Due to coelution by a non-target compound, identification and quantitation of methylene chloride should be considered suspect for sample S-080895-JM-020. The non-target compound was tentatively identified by the laboratory as isopropanol, a solvent used during the sampling equipment decontamination procedure. As a result, the associated methylene chloride data for sample S-080895-JM-020 should be qualified as estimated (UJ).

Internal Standard Recoveries

Overall instrument performance for VOC analyses was monitored using internal standard peak area and retention time data. The internal standard peak area for sample S-081195-JM-061 was reported to be below acceptable limits. As a result, the associated VOC data for sample S-081195-JM-061 should be qualified as estimated (J/UJ) for positive and negative parameter results.

Calibration Range Exceedances

Sample S-080895-JM-016 yielded a positive concentration of acetone that was reported to exceed the instrument calibration range. As a result, the acetone result for sample S-080895-JM-016 should be qualified as estimated (J).

Field Quality Assurance/Quality Control (QA/QC) Samples

The field QA/QC samples for the sampling event included seven rinsate blanks and six field duplicate sample sets.

As a check for cleanliness of sampling equipment, seven rinsate blanks were collected as authentic samples for labeling and submission to the laboratory. The rinsate blank samples were identified as W-080995-JM-001, W-080995-JM-002, W-080995-JM-003, W-081095-JM-004, W-081095-JM-005, W-081095-JM-006, W-081195-JM-007. All rinsate samples yielded positive concentrations for acetone and/or toluene. As a result, the associated toluene results for samples S-080995-JM-040, S-081095-JM-050 and S-081095-JM-059 should be qualified as non-detect (5U, 5U and 4U, respectively). Further, the associated acetone result for sample S-080995-JM-040 should be qualified as non-detect (31U).

Overall precision for the sampling event was monitored using field duplicate sample sets: S-080795-JM-012/S-080795-JM-013, S-080795-JM-007/S-080795-JM-008, S-080795-JM-004/S-080795-JM-005, S-080795-JM-001/S-080795-JM-002, S-080895-JM-

025/S-080895-JM-026, S-081195-JM-060/S-081195-JM-061. Based on relative percent difference (RPD) data from the field duplicate sets, the overall level of precision was generally found to be acceptable. Table 5 presents non-comparable field duplicate data. The associated sample data should be qualified as noted in the table.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and may be used with the qualifications noted above.

RML/jm
Enc.

TABLE 1

SUMMARY OF SAMPLE IDENTIFICATION NUMBERS
WAUSAU SUPERFUND SITE
AUGUST 1995 SAMPLING EVENT

S-080795-JM-001
S-080795-JM-002
S-080795-JM-003
S-080795-JM-004
S-080795-JM-005
S-080795-JM-006
S-080795-JM-007
S-080795-JM-008
S-080795-JM-009
S-080795-JM-010
S-080795-JM-011
S-080795-JM-012
S-080795-JM-013
S-080795-JM-014
S-080895-JM-015
S-080895-JM-016
S-080895-JM-017
S-080895-JM-018
S-080895-JM-019
S-080895-JM-020
S-080895-JM-021
S-080895-JM-022
S-080895-JM-023
S-080895-JM-024
S-080895-JM-025
S-080895-JM-026
S-080895-JM-027
S-080895-JM-028
S-080895-JM-029
S-080995-JM-030
S-080995-JM-031
S-080995-JM-032
S-080995-JM-033
S-080995-JM-034
S-080995-JM-035
S-080995-JM-036
S-080995-JM-037
S-080995-JM-038
S-080995-JM-039
S-080995-JM-040
S-080995-JM-041
S-080995-JM-042
S-080995-JM-043
S-080995-JM-044
S-081095-JM-045
S-081095-JM-046
S-081095-JM-047
S-081095-JM-048
S-081095-JM-049
S-081095-JM-050
S-081095-JM-051
S-081095-JM-052
S-081095-JM-053
S-081095-JM-054
S-081095-JM-055
S-081095-JM-056
S-081095-JM-057
S-081095-JM-058
S-081095-JM-059
S-081195-JM-060
S-081195-JM-061
S-081195-JM-062
S-081195-JM-063
S-081195-JM-064
S-081195-JM-065
S-081195-JM-066
S-081195-JM-067
S-081195-JM-068
S-081195-JM-069
S-081195-JM-070
S-081195-JM-071
S-081195-JM-072
S-081195-JM-073
S-081195-JM-074
S-081195-JM-075
S-081195-JM-076
S-081195-JM-077
W-080995-JM-001
W-080995-JM-002
W-080995-JM-003
W-081095-JM-004
W-081095-JM-005
W-081095-JM-006
W-081195-JM-007

TABLE 2

OUTLYING CONTINUING CALIBRATION DATA
WAUSAU SUPERFUND SITE
AUGUST 1995 SAMPLING EVENT

Analysis	*Date Analyzed*	*Analyte*	*% D*	*Maximum % D*	*Qualifier**	*Associated Samples*
VOC	081595C1	Acetone	25.7	25	J/UJ	S-080795-JM-001; S-080795-JM-002; S-080795-JM-003; S-080795-JM-004; S-080795-JM-005; S-080795-JM-006; S-080795-JM-007; S-080795-JM-008; S-080795-JM-009; S-080795-JM-010
VOC	081695C1	Acetone	32.5	25	J/UJ	S-080795-JM-011; S-080795-JM-012; S-080795-JM-013; S-080795-JM-014; S-080895-JM-015; S-080895-JM-016; S-080895-JM-017; S-080895-JM-018
VOC	081895C1	Acetone	30.0	25	J/UJ	S-080895-JM-028; S-080895-JM-029; S-080995-JM-030; S-080995-JM-031; S-080995-JM-032; S-080995-JM-033; W-080995-JM-001; W-080995-JM-002; W-080995-JM-003; W-081195-JM-007

TABLE 2

OUTLYING CONTINUING CALIBRATION DATA
WAUSAU SUPERFUND SITE
AUGUST 1995 SAMPLING EVENT

Analysis	*Date Analyzed*	*Analyte*	*% D*	*Maximum % D*	*Qualifier**	*Associated Samples*
VOC	082395C3	Acetone	29.8	25	J/UJ	S-081095-JM-050; S-081095-JM-057; S-081095-JM-058; S-081095-JM-059; S-081195-JM-060; S-081195-JM-061; S-081195-JM-06

Notes:

* Sample results should be qualified as:

J - The associated value is an estimated quantity for detected analytes.

UJ - The analyte was checked for, but not detected.
The associated value is an estimated quantitation limit.

TABLE 3

OUTLYING MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS
WAUSAU SUPERFUND SITE
AUGUST 1995 SAMPLING EVENT

Analysis	*Sample ID*	*Spiking Parameter*	*MS % Recovery*	*MSD % Recovery*	*% Recovery Limits*	*RPD*	*RPD Limits*	*Qualifier**
VOC	S-080895-JM-016	Ethylbenzene	96	115	72-148	17.8	15	J
VOC	S-081195-JM-072	Acetone	68	104	50-150	41.3	25	J

Notes:
* Sample results should be qualified as:
J - The associated value is an estimated quantity for detected analytes.

TABLE 4

ANALYTES DETECTED IN METHOD BLANKS
WAUSAU SUPERFUND SITE
AUGUST 1995 SAMPLING EVENT

Analysis	*Analyte*	*Blank ID*	*Blank Concentration (µg/L)*	*Associated Samples*	*Qualifier**
VOC	Methylene Chloride	VBLK081595	4	S-080795-JM-001	18U
				S-080795-JM-002	25U
				S-080795-JM-003	17U
				S-080795-JM-004	22U
				S-080795-JM-005	33U
				S-080795-JM-006	19U
				S-080795-JM-007	30U
				S-080795-JM-008	21U
				S-080795-JM-009	21U
				S-080795-JM-010	22U
VOC	Methylene Chloride	VBLK082395	4	S-080995-JM-044	10U
				S-081095-JM-048	12U
				S-081095-JM-049	11U
				S-081095-JM-051	11U
				S-081095-JM-052	22U
				S-081095-JM-053	16U
				S-081095-JM-054	11U
				S-081095-JM-055	10U
VOC	Acetone	VBLK082395	5	S-080995-JM-044	42U
				S-081095-JM-048	26U
VOC	m,p-Xylene	VBLK082595	0.3	S-081195-JM-077	5U

Note:

* Sample results should be qualified as:
U - The analyte is non-detect with the associated value being the quantitation limit.

TABLE 5

NON-COMPARABLE FIELD DUPLICATE RESULTS
WAUSAU SUPERFUND SITE
AUGUST 1995 SAMPLING EVENT

Analysis	*Parameter*	*(ug/kg) S-080795-JM-001*	*(ug/kg) S-080795-JM-002*	*RPD**	*Qualifier***
VOC	Acetone	75	25	100	J

Analysis	*Parameter*	*(ug/kg) S-081195-JM-060*	*(ug/kg) S-081195-JM-061*	*RPD**	*Qualifier***
VOC	Tetrachloroethene	7	4500	200	J
	Toluene	<5	120J	NC***	NR/UJ
	Trichloroethene	<5	83J	NC	NR/UJ

Notes:

* RPD-Relative Percent Difference

** Sample results should be qualified as:

NR - No qualification of data required.

UJ - The analyte was checked for, but not detected. The associated value is an estimated quantitation limit.

J - The associated value is an estimated quantity for detected analytes.

*** NC - Non-calculable

TABLE 6.4
SOIL DATA SUMMARY STATISTICS
WAUSAU WATER SUPPLY NPL SITE
EAST BANK - MID-POINT - 1995

Parameters	Units	Number of Samples	Number of Detects	Maximum Hit Value	Minimum Hit Value	Maximum Detection Limit	Minimum Detection Limit
1,1,2-TRICHLOROETHANE	UG/KG	66	0	--	--	195.0000	3.0000
1,1-DICHLOROETHENE	UG/KG	66	0	--	--	195.0000	3.0000
ACETONE	UG/KG	66	32	1600.0000	24.0000	975.0000	18.0000
BENZENE	UG/KG	66	0	--	--	195.0000	3.0000
CARBON TETRACHLORIDE	UG/KG	66	0	--	--	195.0000	3.0000
CHLOROFORM	UG/KG	66	1	80.0000	80.0000	189.0000	3.0000
CIS-1,2-DICHLOROETHENE	UG/KG	66	0	--	--	195.0000	3.0000
ETHYLBENZENE	UG/KG	66	1	66.0000	66.0000	195.0000	3.0000
METHYLENE CHLORIDE	UG/KG	66	0	--	--	390.0000	7.0000
TETRACHLOROETHENE	UG/KG	66	22	16000.0000	1.0000	189.0000	3.0000
TOLUENE	UG/KG	66	22	300.0000	2.0000	189.0000	4.0000
TRICHLOROETHENE	UG/KG	66	5	220.0000	4.0000	189.0000	3.0000
VINYL CHLORIDE	UG/KG	66	0	--	--	195.0000	3.0000
XYLENES, TOTAL	UG/KG	66	8	241.0000	1.0000	189.0000	4.0000

TABLE 6.4
SOIL DATA SUMMARY STATISTICS
WAUSAU WATER SUPPLY NPL SITE
EAST BANK - MID-POINT - 1995

Parameters	Units	Required Cleanup Value	Mean of Detects	Number of Samples	Arithmetic Mean	Coefficient of Variation	Geometric Mean	Coefficient of Variation Geometric Mean	95% UCL Lognormal Distribution
1,1,2-TRICHLOROETHANE	UG/KG	10.0000	--	66	6.0758	2.8400	2.7928	0.7500	3.2709
1,1-DICHLOROETHENE	UG/KG	5.0000	--	66	6.0758	2.8400	2.7928	0.7500	3.2709
ACETONE	UG/KG	20.0000	178.9063	66	111.5038	2.5100	34.9329	0.3600	45.5524
BENZENE	UG/KG	5.0000	--	66	6.0758	2.8400	2.7928	0.7500	3.2709
CARBON TETRACHLORIDE	UG/KG	5.0000	--	66	6.0758	2.8400	2.7928	0.7500	3.2709
CHLOROFORM	UG/KG	5.0000	80.0000	66	5.8106	2.7400	2.7844	0.7400	3.2519
CIS-1,2-DICHLOROETHENE	UG/KG	12.0000	--	66	6.0758	2.8400	2.7928	0.7500	3.2709
ETHYLBENZENE	UG/KG	331.0000	66.0000	66	6.9924	2.6900	2.8999	0.8100	3.4593
METHYLENE CHLORIDE	UG/KG	10.0000	--	66	12.9735	2.6600	6.2939	0.4300	7.3955
TETRACHLOROETHENE	UG/KG	10.0000	873.9545	66	294.2386	6.7400	5.2304	1.0900	7.5884
TOLUENE	UG/KG	28.0000	23.7727	66	10.9394	3.6800	3.1075	0.8700	3.8034
TRICHLOROETHENE	UG/KG	10.0000	74.4000	66	9.2462	3.4700	2.9909	0.8400	3.6099
VINYL CHLORIDE	UG/KG	5.0000	--	66	6.0758	2.8400	2.7928	0.7500	3.2709
XYLENES, TOTAL	UG/KG	44.0000	38.3750	66	8.9583	3.6100	2.8696	0.8700	3.4678

TABLE 6.5
SOIL DATA SUMMARY STATISTICS
WAUSAU WATER SUPPLY NPL SITE
EAST BANK - NORTH LOADING DOCK AREA - 1995

Parameters	Units	Number of Samples	Number of Detects	Maximum Hit Value	Minimum Hit Value	Maximum Detection Limit	Minimum Detection Limit
1,1,2-TRICHLOROETHANE	UG/KG	32	0	--	--	11.0000	3.0000
1,1-DICHLOROETHENE	UG/KG	32	0	--	--	11.0000	3.0000
ACETONE	UG/KG	32	19	1500.0000	26.0000	57.0000	19.0000
BENZENE	UG/KG	32	0	--	--	11.0000	3.0000
CARBON TETRACHLORIDE	UG/KG	32	0	--	--	11.0000	3.0000
CHLOROFORM	UG/KG	32	0	--	--	11.0000	3.0000
CIS-1,2-DICHLOROETHENE	UG/KG	32	0	--	--	11.0000	3.0000
ETHYLBENZENE	UG/KG	32	0	--	--	11.0000	3.0000
METHYLENE CHLORIDE	UG/KG	32	0	--	--	23.0000	7.0000
TETRACHLOROETHENE	UG/KG	32	8	220.0000	1.0000	5.0000	3.0000
TOLUENE	UG/KG	32	13	8.0000	2.0000	11.0000	4.0000
TRICHLOROETHENE	UG/KG	32	0	--	--	11.0000	3.0000
VINYL CHLORIDE	UG/KG	32	0	--	--	11.0000	3.0000
XYLENES, TOTAL	UG/KG	32	4	2.0000	2.0000	11.0000	4.0000

TABLE 6.5
SOIL DATA SUMMARY STATISTICS
WAUSAU WATER SUPPLY NPL SITE
EAST BANK - NORTH LOADING DOCK AREA - 1995

Parameters	Units	Required Cleanup Value	Number of Samples	Number of Detects	Arithmetic Mean	Coefficient of Variation	Geometric Mean	Coefficient of Variation Geometric Mean	95% UCL Lognormal Distribution
1,1,2-TRICHLOROETHANE	UG/KG	10.0000	32	0	2.4688	0.2500	2.4154	0.2300	2.5638
1,1-DICHLOROETHENE	UG/KG	5.0000	32	0	2.4688	0.2500	2.4154	0.2300	2.5638
ACETONE	UG/KG	20.0000	32	19	93.8281	2.7800	36.8695	0.3100	51.4278
BENZENE	UG/KG	5.0000	32	0	2.4688	0.2500	2.4154	0.2300	2.5638
CARBON TETRACHLORIDE	UG/KG	5.0000	32	0	2.4688	0.2500	2.4154	0.2300	2.5638
CHLOROFORM	UG/KG	5.0000	32	0	2.4688	0.2500	2.4154	0.2300	2.5638
CIS-1,2-DICHLOROETHENE	UG/KG	12.0000	32	0	2.4688	0.2500	2.4154	0.2300	2.5638
ETHYLBENZENE	UG/KG	331.0000	32	0	2.4688	0.2500	2.4154	0.2300	2.5638
METHYLENE CHLORIDE	UG/KG	10.0000	32	0	4.9375	0.2700	4.8266	0.1300	5.1226
TETRACHLOROETHENE	UG/KG	10.0000	32	8	10.5313	3.6600	3.2259	0.8300	4.3229
TOLUENE	UG/KG	28.0000	32	13	2.7813	0.4700	2.5910	0.3600	2.8742
TRICHLOROETHENE	UG/KG	10.0000	32	0	2.4688	0.2500	2.4154	0.2300	2.5638
VINYL CHLORIDE	UG/KG	5.0000	32	0	2.4688	0.2500	2.4154	0.2300	2.5638
XYLENES, TOTAL	UG/KG	44.0000	32	4	2.4375	0.2500	2.3867	0.2200	2.5276

TABLE 6.6
SOIL DATA SUMMARY STATISTICS
WAUSAU WATER SUPPLY NPL SITE
EAST BANK - SOUTH LOADING DOCK AREA - 1995

Parameters	Units	Number of Samples	Number of Detects	Maximum Hit Value	Minimum Hit Value	Maximum Detection Limit	Minimum Detection Limit
1,1,2-TRICHLOROETHANE	UG/KG	34	0	--	--	195.0000	4.0000
1,1-DICHLOROETHENE	UG/KG	34	0	--	--	195.0000	4.0000
ACETONE	UG/KG	34	13	1600.0000	24.0000	975.0000	18.0000
BENZENE	UG/KG	34	0	--	--	195.0000	4.0000
CARBON TETRACHLORIDE	UG/KG	34	0	--	--	195.0000	4.0000
CHLOROFORM	UG/KG	34	1	80.0000	80.0000	189.0000	4.0000
CIS-1,2-DICHLOROETHENE	UG/KG	34	0	--	--	195.0000	4.0000
ETHYLBENZENE	UG/KG	34	1	66.0000	66.0000	195.0000	4.0000
METHYLENE CHLORIDE	UG/KG	34	0	--	--	390.0000	7.0000
TETRACHLOROETHENE	UG/KG	34	14	16000.0000	1.0000	189.0000	4.0000
TOLUENE	UG/KG	34	9	300.0000	2.0000	189.0000	4.0000
TRICHLOROETHENE	UG/KG	34	5	220.0000	4.0000	189.0000	4.0000
VINYL CHLORIDE	UG/KG	34	0	--	--	195.0000	4.0000
XYLENES, TOTAL	UG/KG	34	4	241.0000	1.0000	189.0000	4.0000

TABLE 6.6
SOIL DATA SUMMARY STATISTICS
WAUSAU WATER SUPPLY NPL SITE
EAST BANK - SOUTH LOADING DOCK AREA - 1995

Parameters	Units	Exceedance Value	Number of Samples	Number of Detects	Arithmetic Mean	Coefficient of Variation	Geometric Mean	Coefficient of Variation Geometric Mean	95% UCL Lognormal Distribution
1,1,2-TRICHLOROETHANE	UG/KG	10.0000	34	0	9.4706	2.5100	3.2017	0.9000	4.3337
1,1-DICHLOROETHENE	UG/KG	5.0000	34	0	9.4706	2.5100	3.2017	0.9000	4.3337
ACETONE	UG/KG	20.0000	34	13	128.1397	2.3400	33.2033	0.4200	50.6868
BENZENE	UG/KG	5.0000	34	0	9.4706	2.5100	3.2017	0.9000	4.3337
CARBON TETRACHLORIDE	UG/KG	5.0000	34	0	9.4706	2.5100	3.2017	0.9000	4.3337
CHLOROFORM	UG/KG	5.0000	34	1	8.9559	2.4400	3.1831	0.8800	4.2846
CIS-1,2-DICHLOROETHENE	UG/KG	12.0000	34	0	9.4706	2.5100	3.2017	0.9000	4.3337
ETHYLBENZENE	UG/KG	331.0000	34	1	11.2500	2.2800	3.4445	0.9400	4.8265
METHYLENE CHLORIDE	UG/KG	10.0000	34	0	20.5368	2.2900	8.0802	0.4900	10.8696
TETRACHLOROETHENE	UG/KG	10.0000	34	14	561.2574	4.9100	8.2428	1.0700	15.9017
TOLUENE	UG/KG	28.0000	34	9	18.6176	2.9800	3.6872	1.0100	5.4015
TRICHLOROETHENE	UG/KG	10.0000	34	5	15.6250	2.8200	3.6572	0.9500	5.2355
VINYL CHLORIDE	UG/KG	5.0000	34	0	9.4706	2.5100	3.2017	0.9000	4.3337
XYLENES, TOTAL	UG/KG	44.0000	34	4	15.0956	2.9500	3.4131	1.0200	4.9123

TABLE 6.7

SVE SYSTEM VOC MASS REMOVAL
WAUSAU WATER SUPPLY NPL SITE
EAST BANK

Time Period	*VOC Concentration µg/L*	*Flow Rate CFM*	*VOC Mass Removed lbs.*
Day 1	4344	300	117
Day 2	2553	280	64
Day 3	1205	280	30
Day 4	916	280	23
Days 5-7	916	285	70
Week 1 Total			304
Month 1	694	290	720
Month 2	471	290	369
Month 3	611	290	478
Quarter 1 Total			1567
Quarter 2	288	280	652
Quarter 3	149	275	332
Quarter 4	154	280	349
Quarter 5	78	290	183
Quarter 6	322	280	729

Estimated Mas of VOCs Removed to Date **3812**

TABLE 6.8

TETRACHLOROETHENE IN SOURCE AREA GROUNDWATER
WAUSAU WATER SUPPLY NPL SITE

Well ID	*Date*	*Tetrachloroethene Concentration*	*Units*	*Qualifier*
East Bank				
WC2	12/2/93	22	ug/L	
WC2	4/11/94	38	ug/L	
WC2	7/12/94	74	ug/L	
WC2	10/18/94	95	ug/L	
WC2	1/19/95	9	ug/L	
WC2	4/12/95	9	ug/L	
WC2	7/27/95	10	ug/L	
WC3B	12/10/93	34	ug/L	
WC3B	10/20/94	< 1	ug/L	
WC4	12/9/93	< 1	ug/L	
WC4	4/11/94	< 1	ug/L	
WC4	7/12/94	< 1	ug/L	
WC4	10/20/94	< 1	ug/L	
WC4	1/19/95	< 1	ug/L	
WC4	4/12/95	< 1	ug/L	
WC4	7/27/95	< 1	ug/L	
WC4A	12/9/93	< 1	ug/L	
WC4A	10/20/94	< 1	ug/L	
WC5	12/8/93	< 1	ug/L	
WC5	10/20/94	< 1	ug/L	UJ
WC5A	10/20/94	75	ug/L	

Notes:
R - Data Rejected
J - Estimated Value Only
U - Value is non-detect due to qualification
UJ - Estimated Detection Level

TABLE 8.1

MONITORING SUMMARY
WAUSAU WATER SUPPLY NPL SITE

Task	*Locations*	*Frequency*	*Parameters*
Soil Monitoring	East Bank[1] South Loading Dock Area	End of SVE Operation (January 1997)	Site VOCs[2]
Soil Gas Probe Monitoring	East Bank - North[3]	- Quarterly PID Readings	TVOCs
	East Bank - South[3]	- Monthly PID Readings - Quarterly (on-Site lab)	TVOCs Site VOCs[2]
SVE System	East Bank Pre-Carbon Exhaust	- Annual - Suma Can - Monthly PID Readings - Quarterly (on-Site lab)	TCL-VOCs TVOCs Site VOCs[2]
Water Level Monitoring	Wells listed in Table 8.6 Wells listed in Table 8.7	- Semi Annual - Quarterly	Water Levels Water Levels
Groundwater Quality Monitoring	Core Locations - Table 8.7	Quarterly	Site VOCs
	Comprehensive Locations - Table 8.8	Annually	Site Specific Paramater List (SSPL) Metals are to be field filtered
	Indicator Wells - Table 8.9	Annually	TCL-VOCs, TAL-Metal[4]s
Verification of Closure Compliance Sampling (Groundwater)	Comprehensive Locations Table 8.8	Quarterly for one year following achievement of compliance criteria in groundwater	TCL VOCs, Site Specific Parameter List (SSPL)

1 The grid locations for the south loading dock area are presented in Figure 6.9.
2 The Site specific VOCs are listed in Table 8.2.
3 The soil gas probe list for the East Bank, north and south loading dock areas is presented in Table 8.3.
4 The Site metals list is presented in Table 8.2.

TABLE 8.1 (CONT'D)

MONITORING SUMMARY
WAUSAU WATER SUPPLY NPL SITE

Task	*Locations*	*Frequency*	*Parameters*
Groundwater Treatment	EW1 Influent	Quarterly	Site VOCs
	Effluent	Quarterly	pH, Site VOCs, Site Metals[5],[6]
	Effluent	Annually	TCL-VOCs, TAL Metals

5 Effluent samples for EW1 are to be filtered.
6 The TCL-VOCs and the TAL-metals are listed in Tables 8.4 and 8.5 respectively.

TABLE 8.2

SITE SPECIFIC PARAMETER LIST
WAUSAU WATER SUPPLY NPL SITE

Volatile Organics

Acetone
Benzene
Carbon tetrachloride
Chloroform
1,1-Dichloroethene
cis-1,2-Dichloroethene
Ethylbenzene
Methylene chloride
Tetrachloroethene
Toluene
1,1,2-Trichloroethane
Trichloroethene
Vinyl chloride
Xylenes

Semi-Volatile Organics

Napththalene
2-Methylnaphthalene
Bis(2-ethylhexyl)phthalate

Metals

Barium
Chromium
Iron
Manganese
Zinc

TABLE 8.3

SOIL GAS PROBES
WAUSAU WATER SUPPLY NPL SITE
East Bank

North Loading Dock Area	*South Loading Dock Area*
GPN 6	GPN 7
GPN 8	GPN13
GPN 9	GPN 14
GPN 10	GPN 15[1]
GPN 11	GPN 16[1]
GPN 12	GPN 17
GP 14	GPN 18
GP 15	GPN 19
GP 16	GP 18
GP 17	GP 19
	GP 20

Notes:
1- These locations have probes screened at 4 feet, 8 feet and 11 feet bgs.
2 - GPN - Nested probes with screens at 4 feet and 8 feet bgs.
3 - GP - Soil gas probe screened from 2 feet to 12 feet bgs.

TABLE 8.4

TCL VOLATILE ORGANIC COMPOUNDS (VOCs)
WAUSAU WATER SUPPLY NPL SITE

Compound

Acetone
Benzene
Bromodichloromethane
Bromoform
Bromomethane
Butanone
Carbon disulfide
Carbon tetrachloride
Chlorobenzene
Chloroethane
Chloroform
Chloromethane
Bromochloromethane
1,1-Dichloroethane
1,2-Dichloroethane
1,1-Dichloroethene
cis-1,2-Dichloroethene
trans-1,2-Dichloroethene
1,2-Dichloropropane
cis-1,3-Dichloropropene
trans-1,3-Dichloropropene
Ethylbenzene
2-Hexanone
Methylene Chloride
4-Methyl-2-pentanone
Styrene
1,1,2,2-Tetrachloroethane
Tetrachloroethene
Toluene
1,1,1-Trichloroethane
1,1,2-Trichloroethane
Trichloroethene
Vinyl chloride
Xylenes (total)
Dibromochloromethane
1,2-dibromoethane
1,2-dibromo-3-chloropropane

TABLE 8.5

TAL PARAMETERS
WAUSAU WATER SUPPLY NPL SITE

Analyte
Aluminum
Antimony
Arsenic
Barium
Beryllium
Cadmium
Calcium
Chromium
Cobalt
Copper
Iron
Lead
Magnesium
Manganese
Mercury
Nickel
Potassium
Selenium
Silver
Sodium
Thallium
Vanadium
Zinc
Cyanide

TABLE 8.6

WATER LEVEL MONITORING WELL NETWORK

Monitoring Well	
Zone 1 - Wausau Chemical Source	*Well Depth**
CW4	130.0
WC2	24.0
WC3	161.0
WC3B	24.0
WC4	60.0
WC4A	30.0
WC5	70.0
WC5A	30.0
WC6	70.0
WC6A	30.0
WC7	60.0
WC7A	30.0
MW10A	76.5
MW10B	35.0
FVD5	20.5
E22	93.7
E22A	22.0
E24	85.7
E24A	35.0
E26	95.0
E26A	23.0
E37A	26.0

* Well depth measured from top of casing

TABLE 8.6

WATER LEVEL MONITORING WELL NETWORK

Monitoring Well	
Zone 2 - CW3 Capture Area	*Well Depth**
CW3	92.0
HURD	100.0
WW4	40.0
WW5	37.0
WW6	41.0
FVD5	20.5
TCT5 (44)	23.0
GM6D	126.0
E23A	21.5
E21	129.5
E21A	22.0
E28A	37.0
E30	132.8
E37A	26.0
IWS	15.0
IWM	77.3
IWD	140.4

* Well depth measured from top of casing

TABLE 8.6

WATER LEVEL MONITORING WELL NETWORK

Monitoring Well	
Zone 3 - EW1 Capture Area	*Well Depth**
EW1	143.5
C2S	37.9
C3S	38.9
C4S	32.2
C4D	104.2
C6S	39.5
C7S	36.0
R1S	40.5
R1D	121.0
R3S	32.0
R3D	136.0
R4D	133.0
W50	82.8
W51A	44.7
W52	124.0
W52A	36.0
W53	125.5
W53A	41.3
W54	65.5
WSWS	18.6
WSWD	152.4
MW1	39.6
MW2	40.9
MW3	41.4

* Well depth measured from top of casing

TABLE 8.6

WATER LEVEL MONITORING WELL NETWORK

Monitoring Well	
Zone 4 - CW6 Capture Area	*Well Depth**
CW6	100.0
CW7	100.0
CW9 OBS	78.0
CW10	-
MW1A	130.0
MW3A	140.0
MW3B	74.7
MW4A	100.0
MW4B	60.5
MW4C	40.0
MW7	45.0
R2S	28.0
R2D	135.0
GM1S	37.0
GM2S	34.0
GM4S	36.0
GM4D	145.0
W55	115.5
W55A	43.0
W56	66.5
W56A	20.0
W57	77.5

* Well depth measured from top of casing

TABLE 8.7

GROUNDWATER MONITORING
CORE WELL NETWORK

Monitoring Well	*Well Depth**	*Historical Total VOCs Concentration Approximate (ug/L)*	*Function*
		ZONE 1 - WAUSAU CHEMICAL SOURCE AREA	
WC2	24.0	800	Indicator Well
WC4	60.0	2	Sentry Well - West
		ZONE 2 - CW3 CAPTURE AREA	
IWD	140.4	300	Sentry Well
E21	129.5	21	Indicator Well
E23A	21.5	71	Indicator Well near CW3
		ZONE 3 - EW1 CAPTURE AREA	
C4D	104.2	60	Sentry Well
W53	125.5	1800	Indictor Well
R4D	133.0	3200	Indicator Well near EW1
		ZONE 4 - CW6 CAPTURE AREA	
R2S	28.0	55	Sentry Well - Shallow
R2D	135.0	1000	Sentry Well - Deep
W55A	43.0	45	Indicator Well - Shallow
W55	115.5	4200	Indicator Well - Deep

* Well depth measured from top of casing

TABLE 8.8

GROUNDWATER MONITORING
COMPREHENSIVE WELL NETWORK

Monitoring Well	*Well Depth**
Zone 1 - Wausau Chemical Source Area	
WC2 (2)	24.0
WC3B	24.0
WC4	60.0
WC4A	30.0
WC5	70.0
WC5A	30.0
WC6	70.0
WC6A	30.0
MW10A	76.5
E22A	22.0
E24A	22.0
Zone 2 - CW3 Capture Area	
WW4	40.0
WW5	37.0
FVD5	20.5
GM6D	126.0
E23A	21.5
E21	129.5
E30	132.8
E37A	26.0
IWD	140.4
CW3	92.0
Zone 3 - EW1 Capture Area	
C2S (1)	37.9
C4S	32.2
C4D	104.2
R3S	32.0
R3D	136.0
R4D (2)	133.0
W52	124.0
W53 (2)	125.5
W53A (2)	41.3
W54 (2)	65.5
WSWD	152.4
EW1	143.5

* Well depth measured from top of casing

TABLE 8.8

GROUNDWATER MONITORING
COMPREHENSIVE WELL NETWORK

Monitoring Well	*Well Depth**
Zone 4 - CW6 Capture Area	
MW4B	60.5
MW7	45.0
R2S	28.0
R2D	135.0
W55 (2)	115.5
W55A	43.0
W56	66.5
W56A	20.0
GM1S	37.0
CW6	100.0

(1) Monitoring well C7S will be monitored in the event that C2S is dry during a particular monitoring event.

(2) These wells will also be analyzed for TCL/TAL parameters in Tables 2.6 - 2.9.

(3) CW4 will be sampled during any comprehensive monitoring event if it is operating.

* Well depth measured from top of casing

TABLE 8.9

INDICATOR WELLS FOR TCL AND TAL ANALYSES

	*Well Depth**
Zone I	
WC2	24.0
Zone II	
E23A	21.5
Zone III	
W53	125.5
W53A	41.3
W54	65.5
R4D	133.0
Zone IV	
W55	115.5

* Well depth measured from top of casing

APPENDIX A

EW1 TREATMENT SYSTEM

APPENDIX A

EW1 TREATMENT SYSTEM DATA
WAUSAU WATER SUPPLY NPL SITE
WEST BANK

Date	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1,2-Trichlorotrifluoroethane	1,1-Dichloroethane	1,1-Dichloroethene	Acetone	Benzene	Carbon tetrachloride	Chlorobenzene	Chloroform	Chloromethane	cis-1,2-Dichloroethene
12/7/93	< 1	< 1	< 1	< 1	< 1	< 10 R	< 1	< 1	< 1	< 1	< 1	2
1/31/94	< 1	< 1	< 1	< 1	< 1	< 10 R	< 1	< 1	< 1	0.6 J	< 1 UJ	2
2/22/94	< 1	< 1	< 1	< 1	< 1	10 J	< 1	< 1	< 1	0.6 J	< 1	2
3/22/94	< 1	< 1	< 1	< 1	< 1	< 10 R	< 1	< 1	< 1	0.7 J	< 1	2
4/19/94	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	0.5 J	< 1	1
5/17/94	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	0.7 J	< 1	2
6/20/94	0.6 J	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	0.6 J	< 1	2
7/11/94	0.9 J	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	0.5 J	< 1	1
8/22/94	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	0.5 J	< 1	1
9/19/94	< 1	< 1	< 1	< 1	< 1	< 10	< 1 U	< 1	< 1	0.5 J	< 1	< 1
10/20/94		< 1			< 1	< 10	< 1	< 1		0.6		2
11/14/94		< 1			< 1	< 10 U	< 1	< 1		0.5		1
12/12/94		0.3			< 1	5	< 1	< 1		0.6		2
1/20/95		< 1			< 1	< 10 UJ	< 1	< 1		0.5		2
2/20/95		< 1			< 1	< 10	< 1	< 1		0.4		1
3/20/95		< 1			< 1	< 10	< 1	< 1		0.4 J		1 J
4/11/95		< 1			< 1	6 J	< 1	< 1		0.4 J		1
5/22/95		< 1			< 0.8	5.1	< 0.4	< 1		< 1		1.1
6/19/95		< 1			< 1	< 10	< 1	< 1		0.4 J		1
7/18/95		< 1			< 1	< 10	< 1	< 1		0.3 J		1
8/21/95		< 1 UJ.			< 1	< 10	< 1	< 1		0.3 J		1

APPENDIX A

EW1 TREATMENT SYSTEM DATA
WAUSAU WATER SUPPLY NPL SITE
WEST BANK

Date	Ethylbenzene	m/p-Xylene	Methyl ethyl ketone	Methyl isobutyl ketone	Methylene chloride	o-Xylene	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
12/7/93	< 1	< 1	< 10	< 10	< 2	< 1	< 1	< 1	< 1	84	< 1
1/31/94	< 1	< 1	< 10	< 10	< 2	< 1 UJ	< 1	< 1	< 1	83	< 1 UJ
2/22/94	< 1	< 1	< 10	< 10	< 2	< 1	0.3 J	< 1	< 1	87	< 1
3/22/94	< 1	< 1	< 10	< 10	< 3 U	< 1	0.3 J	< 1	< 1	81	< 1
4/19/94	< 1	< 1	< 10	< 10	6	< 1	< 1	< 1	< 1	43	< 1
5/17/94	< 1	< 1	< 10	< 10	< 2	< 1	< 1	< 1	< 1	70	< 1
6/20/94	< 1	< 1	< 10	< 10	< 2	< 1	0.3 J	< 1	< 1	67	< 1
7/11/94	< 1	< 1	< 10	< 10	< 5 U	< 1	< 1	< 1	< 1	54	< 1
8/22/94	< 1	< 1	< 10	< 10	< 2	< 1	< 1	< 1	< 1	62	< 1
9/19/94	< 1	< 1	< 10	< 10	< 2	< 1	< 1	< 1	< 1	49	< 1
10/20/94	< 1	< 1			< 2	< 1	< 1	< 1		66	< 1
11/14/94	< 1	< 1			< 2	< 1	0.2	< 1		63	< 1 UJ
12/12/94	< 1	< 1			< 3 U	< 1	0.3	< 1		67	< 1 UJ
1/20/95	< 1	< 1			< 2	< 1	< 1	< 1		68	< 1
2/20/95	< 1	< 1			< 2	< 1	< 1	< 1		57	< 1
3/20/95	< 1	< 1			< 2	< 1	< 1	< 1		49 J	< 1
4/11/95	< 1	< 1			< 2	< 1	< 1	< 1		59	< 1
5/22/95	< 2	< 2			< 5	< 2	< 1	< 4		46.2	< 0.4
6/19/95	< 1	< 1			< 2	< 1	0.2 J	< 1		54	< 1
7/18/95	< 1	< 1			< 2 UJ	< 1	< 1	< 1		48	< 1
8/21/95	< 1	< 1			< 2	< 1	< 1	< 1		44	< 1

APPENDIX B

SOIL GAS DATA

TABLE B.1

SOIL GAS SAMPLING RESULTS - WEST BANK
WAUSAU WATER SUPPLY NPL SITE

Sample	Period	Date	HNu	Run	c12DCE (ug/L)	TCE (ug/L)	Perc (ug/L)	Total VOCs (ug/L)	Foot Notes
GPN-1-5'	PreStartUp	12/7/93	7.0	120706	2.7	10.1	<2.8	13	
GPN-1-5'	Week 1	1/12/94	8.9	011208	0.6	0.4	1.9	3	S
GPN-1-5'	Week 2	1/19/94	1.2	011914	0.3	0.5	<0.5	1	S
GPN-1-5'	Week 3	1/25/94	2.0	012519	0.2	0.4	0.8	1	S
GPN-1-5'	Month 1	2/8/94	1.3	020811	0.1	0.3	<0.5	<1	S
GPN-1-5'	Month 2	3/8/94	3.7	030818	1.5	5.1	<0.5	7	S
GPN-1-5'	Quarter 1	4/15/94	3.4	041507	2.9	10.2	<0.5	13	S
GPN-1-5'	Month 4	5/11/94	10.0	ns	ns	ns	ns	ns	
GPN-1-5'	Month 5	6/8/94	3.8	ns	ns	ns	ns	ns	
GPN-1-5'	Quarter 2	8/10/94	4.2	081015	17.1	57.5	<2.8	75	S
GPN-1-5'	Month 7	8/30/94	4.3	ns	ns	ns	ns	ns	
GPN-1-5'	Month 8	9/29/94	*0.4	ns	ns	ns	ns	ns	
GPN-1-5'	Quarter 3	10/19/94	*0.6	101902	7.3	31.3	2.0	41	S
GPN-1-5'	Month 10	11/22/94	3.5	ns	ns	ns	ns	ns	
GPN-1-5'	Month 11	12/13/94	1.8	ns	ns	ns	ns	ns	
GPN-1-5'	Quarter 4	1/11/95	0.6	011112	0.6	1.7	<0.5	2	S
GPN-1-5'	Month 13	2/8/95	0.8	ns	ns	ns	ns	ns	
GPN-1-5'	Month 14	3/15/95	0.4	ns	ns	ns	ns	ns	
GPN-1-5'	Quarter 5	4/13/95	0.9	041303	1.2	3.8	1.2	7	S
GPN-1-5'	Month 16	5/19/95	2.2	ns	ns	ns	ns	ns	
GPN-1-5'	Month 17	6/9/95	2.2	ns	ns	ns	ns	ns	
GPN-1-5'	Quarter 6	7/18/95	6.0	071812	10.9	57.5	1.4	70	
GPN-1-15'	PreStartUp	12/7/93	46.0	120707	3.1	195.0	<3.6	198	
GPN-1-15'	Week 1	1/12/94	12.3	011209	<0.9	14.7	1.7	16	S
GPN-1-15'	Week 2	1/19/94	4.8	011915	0.8	20.0	<0.5	21	S
GPN-1-15'	Week 3	1/25/94	3.3	012520	0.4	10.0	<0.5	10	S
GPN-1-15'	Month 1	2/8/94	2.3	020812	0.2	6.7	<0.5	7	S
GPN-1-15'	Month 2	3/8/94	1.7	030819	0.4	4.2	<0.5	5	S
GPN-1-15'	Quarter 1	4/15/94	2.2	041509	0.6	10.1	<0.5	11	S
GPN-1-15'	Month 4	5/11/94	32.0	ns	ns	ns	ns	ns	
GPN-1-15'	Month 5	6/8/94	1.3	ns	ns	ns	ns	ns	
GPN-1-15'	Quarter 2	8/10/94	2.7	081016	2.3	26.7	<2.8	29	S
GPN-1-15'	Month 7	8/30/94	1.2	ns	ns	ns	ns	ns	
GPN-1-15'	Month 8	9/29/94	*0.0	ns	ns	ns	ns	ns	
GPN-1-15'	Quarter 3	10/19/94	*0.5	101903	2.0	21.4	<1.0	23	S
GPN-1-15'	Month 10	11/22/94	1.3	ns	ns	ns	ns	ns	
GPN-1-15'	Month 11	12/13/94	0.8	ns	ns	ns	ns	ns	
GPN-1-15'	Quarter 4	1/11/95	1.5	011113	0.7	7.8	<0.5	9	S
GPN-1-15'	Month 13	2/8/95	0.6	ns	ns	ns	ns	ns	
GPN -1-15'	Month 14	3/15/95	0.5	ns	ns	ns	ns	ns	
GPN-1-15'	Quarter 5	4/13/95	0.6	041304	0.8	2.8	<0.5	4	S
GPN-1-15'	Month 16	5/19/95	1.6	ns	ns	ns	ns	ns	
GPN-1-15'	Month 17	6/9/95	0.4	ns	ns	ns	ns	ns	
GPN-1-15'	Quarter 6	7/18/95	0.8	071814	0.3	5.8	<0.5	7	

TABLE B.1

SOIL GAS SAMPLING RESULTS - WEST BANK
WAUSAU WATER SUPPLY NPL SITE

Sample	Period	Date	HNu	Run	c12DCE (ug/L)	TCE (ug/L)	Perc (ug/L)	Total VOCs (ug/L)	Foot Notes
GPN-1-25'	PreStartUp	12/7/93	50.0	120708	2.1	179.0	<3.6	181	
GPN-1-25'	Week 1	1/12/94	3.5	011210	0.8	7.5	0.5	9	S
GPN-1-25'	Week 2	1/19/94	1.6	011916	0.4	7.4	<0.5	8	S
GPN-1-25'	Week 3	1/25/94	2.1	012521	0.2	3.6	<0.5	4	S
GPN-1-25'	Month 1	2/8/94	1.1	020813	<0.1	1.9	<0.5	2	S
GPN-1-25'	Month 2	3/8/94	1.2	030820	<0.1	0.6	<0.5	1	S
GPN-1-25'	Quarter 1	4/15/94	1.2	041510	<0.1	0.7	<0.5	1	S
GPN-1-25'	Month 4	5/11/94	20.0	ns	ns	ns	ns	ns	
GPN-1-25'	Month 5	6/8/94	1.2	ns	ns	ns	ns	ns	
GPN-1-25'	Quarter 2	8/10/94	0.4	081017	<0.4	1.4	<0.5	1	S
GPN-1-25'	Month 7	8/30/94	0.6	ns	ns	ns	ns	ns	
GPN-1-25'	Month 8	9/29/94	*0.0	ns	ns	ns	ns	ns	
GPN-1-25'	Quarter 3	10/19/94	*0.2	101904	<0.9	1.6	<1.0	2	S
GPN-1-25'	Month 10	11/22/94	0.4	ns	ns	ns	ns	ns	
GPN-1-25'	Month 11	12/13/94	0.4	ns	ns	ns	ns	ns	
GPN-1-25'	Quarter 4	1/10/95	0.3	011114	<0.2	0.2	<0.5	<1	S
GPN-1-25'	Month 13	2/8/95	0.3	ns	ns	ns	ns	ns	
GPN-1-25'	Month 14	3/15/95	0.3	ns	ns	ns	ns	ns	
GPN-1-25'	Quarter 5	4/13/95	0.3	041305	<0.1	0.5	1.2	2	S
GPN-1-25'	Month 16	5/19/95	3.4	ns	ns	ns	ns	ns	
GPN-1-25'	Month 17	6/9/95	0.2	ns	ns	ns	ns	ns	
GPN-1-25'	Quarter 6	7/18/95	0.1	071815	<0.1	<0.2	<0.5	<1	
GPN-2-5'	PreStartUp	12/7/93	26.0	120712	<1.5	101.0	<3.6	101	
GPN-2-5'	Week 1	1/12/94	7.5	011211	<0.1	2.8	3.8	7	S
GPN-2-5'	Week 2	1/19/94	2.2	011917	<0.1	1.5	<0.5	2	S
GPN-2-5'	Week 3	1/25/94	1.6	012522	<0.1	0.6	<0.5	1	S
GPN-2-5'	Month 1	2/8/94	2.1	020814	<0.1	<0.2	<0.5	<0.8	S
GPN-2-5'	Month 2	3/9/94	6.3	030909	0.9	37.5	<0.5	38	S
GPN-2-5'	Quarter 1	4/15/94	4.8	041511	0.7	36.0	<0.5	37	S
GPN-2-5'	Month 4	5/11/94	6.6	ns	ns	ns	ns	ns	
GPN-2-5'	Month 5	6/8/94	2.0	ns	ns	ns	ns	ns	
GPN-2-5'	Quarter 2	8/10/94	10.4	081022	7.0	>110.0	<2.8	>117.	S
GPN-2-5'	Month 7	8/30/94	2.0	ns	ns	ns	ns	ns	
GPN-2-5'	Month 8	9/29/94	*3.2	ns	ns	ns	ns	ns	
GPN-2-5'	Quarter 3	10/20/94	*1.0	102002	3.7	63.2	<1.0	67	S
GPN-2-5'	Month 10	11/23/94	3.7	ns	ns	ns	ns	ns	
GPN-2-5'	Month 11	12/13/94	2.5	ns	ns	ns	ns	ns	
GPN-2-5'	Quarter 4	1/11/95	3.0	011118	1.3	18.2	<0.5	20	S
GPN-2-5'	Month 13	2/8/95	1.8	ns	ns	ns	ns	ns	
GPN-2-5'	Month 14	3/15/95	1.4	ns	ns	ns	ns	ns	
GPN-2-5'	Quarter 5	4/13/95	0.8	041306	0.8	3.2	<0.5	4	S
GPN-2-5'	Month 16	5/19/95	3.0	ns	ns	ns	ns	ns	
GPN-2-5'	Month 17	6/9/95	1.6	ns	ns	ns	ns	ns	
GPN-2-5'	Quarter 6	7/18/95	4.6	071816	4.1	86.4	<0.5	91	

TABLE B.1

SOIL GAS SAMPLING RESULTS - WEST BANK
WAUSAU WATER SUPPLY NPL SITE

Sample	*Period*	*Date*	*HNu*	*Run*	*c12DCE (ug/L)*	*TCE (ug/L)*	*Perc (ug/L)*	*Total VOCs (ug/L)*	*Foot Notes*
GPN-2-15'	PreStartUp	12/7/93	42.0	120713	<1.5	167.0	<3.6	167	
GPN-2-15'	Week 1	1/12/94	10.5	011212	<0.9	33.8	<0.5	34	S
GPN-2-15'	Week 2	1/19/94	6.8	011918	0.4	45.0	<0.5	45	S
GPN-2-15'	Week 3	1/26/94	4.6	012605	0.2	29.7	<0.5	30	S
GPN-2-15'	Month 1	2/8/94	3.6	020815	0.2	21.6	<0.5	22	S
GPN-2-15'	Month 2	3/9/94	2.2	030910	<0.1	13.5	<0.5	14	S
GPN-2-15'	Quarter 1	4/15/94	2.6	041512	0.2	20.6	<0.5	21	S
GPN-2-15'	Month 4	5/11/94	3.7	ns	ns	ns	ns	ns	
GPN-2-15'	Month 5	6/8/94	2.4	ns	ns	ns	ns	ns	
GPN-2-15'	Quarter 2	8/10/94	2.0	081023	<0.9	18.4	<2.8	18	S
GPN-2-15'	Month 7	8/30/94	2.2	ns	ns	ns	ns	ns	
GPN-2-15'	Month 8	9/29/94	*2.1	ns	ns	ns	ns	ns	
GPN-2-15'	Quarter 3	10/20/94	*1.2	102003	<0.9	17.9	<1.0	18	S
GPN-2-15'	Month 10	11/23/94	1.6	ns	ns	ns	ns	ns	
GPN-2-15'	Month 11	12/13/94	1.2	ns	ns	ns	ns	ns	
GPN-2-15'	Quarter 4	1/11/95	1.7	011119	<0.2	10.6	<0.5	11	S
GPN-2-15'	Month 13	2/8/95	1.4	ns	ns	ns	ns	ns	
GPN-2-15'	Month 14	3/15/95	0.7	ns	ns	ns	ns	ns	
GPN-2-15'	Quarter 5	4/13/95	0.8	041307	<0.1	4.8	1.2	6	S
GPN-2-15'	Month 16	5/19/95	1.0	ns	ns	ns	ns	ns	
GPN-2-15'	Month 17	6/9/95	0.4	ns	ns	ns	ns	ns	
GPN-2-15'	Quarter 6	7/18/95	0.4	071817	<0.1	5.5	<0.5	6	
GPN-2-25'	PreStartUp	12/7/93	36.0	120714	<1.5	130.0	<3.6	130	
GPN-2-25'	Week 1	1/12/94	12.5	011213	0.1	66.5	<0.5	67	S
GPN-2-25'	Week 2	1/19/94	6.8	011919	0.1	45.6	<0.5	46	S
GPN-2-25'	Week 3	1/26/94	6.0	012606	<0.1	43.8	<0.5	44	S
GPN-2-25'	Month 1	2/8/94	4.2	020816	<0.1	27.9	<0.5	28	S
GPN-2-25'	Month 2	ns	ns	ns	ns	ns	ns	ns	
GPN-2-25'	Quarter 1	4/15/94	2.7	041513	<0.1	24.0	<0.5	24	S
GPN-2-25'	Month 4	5/11/94	4.0	ns	ns	ns	ns	ns	
GPN-2-25'	Month 5	6/8/94	2.5	ns	ns	ns	ns	ns	
GPN-2-25'	Quarter 2	8/10/94	1.4	081024	<0.9	14.0	<2.8	14	S
GPN-2-25'	Month 7	8/30/94	1.4	ns	ns	ns	ns	ns	
GPN-2-25'	Month 8	9/29/94	*1.8	ns	ns	ns	ns	ns	
GPN-2-25'	Quarter 3	10/20/94	*1.6	102004	<0.9	13.6	<1.0	14	S
GPN-2-25'	Month 10	11/23/94	1.8	ns	ns	ns	ns	ns	
GPN-2-25'	Month 11	12/13/94	1.5	ns	ns	ns	ns	ns	
GPN-2-25'	Quarter 4	1/11/95	1.6	011120	<0.2	10.1	<0.5	10	S
GPN-2-25'	Month 13	2/8/95	1.3	ns	ns	ns	ns	ns	
GPN-2-25'	Month 14	3/15/95	1.0	ns	ns	ns	ns	ns	
GPN-2-25'	Quarter 5	4/13/95	1.0	041308	<0.1	6.2	<0.5	7	S
GPN-2-25'	Month 16	5/19/95	0.7	ns	ns	ns	ns	ns	
GPN-2-25'	Month 17	6/9/95	0.2	ns	ns	ns	ns	ns	
GPN-2-25'	Quarter 6	7/18/95	0.3	071818	<0.1	2.7	<0.5	3	

TABLE B.1

SOIL GAS SAMPLING RESULTS - WEST BANK
WAUSAU WATER SUPPLY NPL SITE

Sample	*Period*	*Date*	*HNu*	*Run*	*c12DCE (ug/L)*	*TCE (ug/L)*	*Perc (ug/L)*	*Total VOCs (ug/L)*	*Foot Notes*
GPN-3-5'	PreStartUp	12/7/93	16.8	120715	3.0	48.5	<3.6	52	
GPN-3-5'	Week 1	1/11/94	0.3	011118	<0.1	<0.2	<0.5	<1	
GPN-3-5'	Week 2	1/19/94	0.5	011920	0.2	0.4	<0.5	1	
GPN-3-5'	Week 3	1/26/94	0.4	012608	0.5	1.0	<0.5	2	
GPN-3-5'	Month 1	2/8/94	0.5	020818	0.2	0.4	<0.5	1	
GPN-3-5'	Month 2	ns	ns	ns	ns	ns	ns	ns	
GPN-3-5'	Quarter 1	4/14/94	1.4	041424	3.3	5.3	<0.5	9	
GPN-3-5'	Month 4	5/12/94	6.8	ns	ns	ns	ns	ns	
GPN-3-5'	Month 5	6/8/94	0.7	ns	ns	ns	ns	ns	
GPN-3-5'	Quarter 2	8/10/94	3.2	081019	32.1	46.7	<2.8	79	
GPN-3-5'	Month 7	8/30/94	0.3	ns	ns	ns	ns	ns	
GPN-3-5'	Month 8	9/29/94	*0.0	ns	ns	ns	ns	ns	
GPN-3-5'	Quarter 3	10/19/94	*0.3	101905	2.4	3.7	<1.0	6	
GPN-3-5'	Month 10	11/29/94	0.1	ns	ns	ns	ns	ns	
GPN-3-5'	Month 11	12/13/94	0.2	ns	ns	ns	ns	ns	
GPN-3-5'	Quarter 4	1/11/95	0.5	011115	0.9	1.2	<0.5	2	
GPN-3-5'	Month 13	2/8/95	0.2	ns	ns	ns	ns	ns	
GPN-3-5'	Month 14	3/15/95	ns	ns	ns	ns	ns	ns	
GPN-3-5'	Quarter 5	4/13/95	0.9	041310	2.6	3.2	<0.5	6	
GPN-3-5'	Month 16	5/19/95	1.5	ns	ns	ns	ns	ns	
GPN-3-5'	Month 17	6/9/95	0.4	ns	ns	ns	ns	ns	
GPN-3-5'	Quarter 6	7/18/95	1.9	071819	9.3	14.8	<0.5	25	
GPN-3-15'	PreStartUp	12/7/93	17.0	120717	<1.5	61.0	<3.6	61	
GPN-3-15'	Week 1	1/11/94	0.5	011122	0.2	69.4	<0.5	79	
GPN-3-15'	Week 2	1/19/94	6.2	011921	<0.1	32.8	<0.5	33	
GPN-3-15'	Week 3	1/26/94	6.3	012609	0.1	53.6	<0.5	54	
GPN-3-15'	Month 1	2/8/94	5.2	020819	<0.1	37.5	<0.5	38	
GPN-3-15'	Month 2	3/9/94	3.2	030911	<0.1	21.4	<0.5	21	
GPN-3-15'	Quarter 1	4/14/94	1.7	041425	<0.1	12.9	<2.8	13	
GPN-3-15'	Month 4	5/11/94	5.6	ns	ns	ns	ns	ns	
GPN-3-15'	Month 5	6/8/94	2.3	ns	ns	ns	ns	ns	
GPN-3-15'	Quarter 2	8/10/94	1.4	081020	<0.9	26.3	<2.8	26	
GPN-3-15'	Month 7	8/30/94	1.8	ns	ns	ns	ns	ns	
GPN-3-15'	Month 8	9/29/94	*1.8	ns	ns	ns	ns	ns	
GPN-3-15'	Quarter 3	10/19/94	*0.4	101907	<0.9	23.4	<1.0	23	
GPN-3-15'	Month 10	11/29/94	2.8	ns	ns	ns	ns	ns	
GPN-3-15'	Month 11	12/13/94	3.2	ns	ns	ns	ns	ns	
GPN-3-15'	Quarter 4	1/11/95	2.1	011116	<0.2	15.1	<0.5	15	
GPN-3-15'	Month 13	2/8/95	3.0	ns	ns	ns	ns	ns	
GPN-3-15'	Month 14	3/15/95	0.7	ns	ns	ns	ns	ns	
GPN-3-15	Quarter 5	4/13/95	0.5	041311	<0.1	2.8	<0.5	3	
GPN-3-15'	Month 16	5/19/95	2.2	ns	ns	ns	ns	ns	
GPN-3-15'	Month 17	6/9/95	1.2	ns	ns	ns	ns	ns	
GPN-3-15'	Quarter 6	7/18/95	0.9	071820	<0.1	10.6	<0.5	11	

TABLE B.1

SOIL GAS SAMPLING RESULTS - WEST BANK
WAUSAU WATER SUPPLY NPL SITE

Sample	Period	Date	HNu	Run	c12DCE (ug/L)	TCE (ug/L)	Perc (ug/L)	Total VOCs (ug/L)	Foot Notes
GPN-3-25'	PreStartUp	12/7/93	26.0	120718	<1.5	86.9	<3.6	87	
GPN-3-25'	Week 1	1/12/94	0.0	011120	<0.1	65.7	<0.5	66	
GPN-3-25'	Week 2	1/19/94	11.0	011922	<0.1	87.1	<0.5	87	
GPN-3-25'	Week 3	1/26/94	10.5	012610	0.1	81.6	<0.5	82	
GPN-3-25'	Month 1	2/8/94	3.5	020820/21	<0.1	19.7	<0.5	20	
GPN-3-25'	Month 2	3/9/94	3.2	030913	0.1	26.7	<0.5	27	
GPN-3-25'	Quarter 1	4/14/94	3.0	041426	<0.1	29.8	<0.5	30	
GPN-3-25'	Month 4	5/11/94	5.4	ns	ns	ns	ns	ns	
GPN-3-25'	Month 5	6/8/94	3.0	ns	ns	ns	ns	ns	
GPN-3-25'	Quarter 2	8/10/94	2.2	081021	<0.9	23.8	<2.8	24	
GPN-3-25'	Month 7	8/30/94	1.8	ns	ns	ns	ns	ns	
GPN-3-25'	Month 8	9/29/94	*1.8	ns	ns	ns	ns	ns	
GPN-3-25'	Quarter 3	10/19/94	*0.3	101908	<0.9	30.1	<1.0	30	
GPN-3-25'	Month 10	11/29/94	6.6	ns	ns	ns	ns	ns	
GPN-3-25'	Month 11	12/13/94	6.5	ns	ns	ns	ns	ns	
GPN-3-25'	Quarter 4	1/11/95	4.5	011117	0.3	34.5	<0.5	35	
GPN-3-25'	Month 13	2/8/95	4.8	ns	ns	ns	ns	ns	
GPN-3-25'	Month 14	3/15/95	0.4	ns	ns	ns	ns	ns	
GPN-3-25'	Quarter 5	4/13/95	1.9	041312	<0.1	14.3	<0.5	15	
GPN-3-25'	Month 16	5/19/95	2.2	ns	ns	ns	ns	ns	
GPN-3-25'	Month 17	6/9/95	1.5	ns	ns	ns	ns	ns	
GPN-3-25'	Quarter 6	7/18/95	0.8	071821	<0.1	9.3	<0.5	10	
GPN-4-5'	PreStartUp	12/7/93	8.5	120709	<0.9	34.9	<2.8	35	
GPN-4-5'	Week 1	1/11/94	0.5	011115	<0.1	4.6	0.9	6	S
GPN-4-5'	Week 2	1/19/94	0.4	011909	<0.1	<1.9	<0.5	<3	S
GPN-4-5'	Week 3	1/25/94	0.6	012515	<0.1	0.3	<0.5	<1	S
GPN-4-5'	Month 1	2/8/94	0.3	020807	<0.1	<0.2	<0.5	<1	S
GPN-4-5'	Month 2	3/9/94	0.8	030903	<0.1	3.4	<0.5	3	S
GPN-4-5'	Quarter 1	4/15/94	0.8	041504	<0.1	5.1	<0.5	5	S
GPN-4-5'	Month 4	5/11/94	7.0	ns	ns	ns	ns	ns	
GPN-4-5'	Month 5	6/8/94	0.8	ns	ns	ns	ns	ns	
GPN-4-5'	Quarter 2	8/10/94	1.8	081011	<0.9	36.5	<2.8	37	S
GPN-4-5'	Month 7	8/30/94	1.4	ns	ns	ns	ns	ns	
GPN-4-5'	Month 8	9/29/94	*1.6	ns	ns	ns	ns	ns	
GPN-4-5'	Quarter 3	10/18/94	*1.0	101816	<0.9	6.6	<1.0	7	S
GPN-4-5'	Month 10	11/22/94	0.2	ns	ns	ns	ns	ns	
GPN-4-5'	Month 11	12/13/94	0.4	ns	ns	ns	ns	ns	
GPN-4-5'	Quarter 4	1/11/95	0.6	011108	<0.2	1.0	<0.5	1	S
GPN-4-5'	Month 13	2/8/95	0.5	ns	ns	ns	ns	ns	
GPN-4-5'	Month 14	3/15/95	ns	ns	ns	ns	ns	ns	
GPN-4-5'	Quarter 5	4/12/95	0.3	041221	<0.1	1.5	1.3	3	S
GPN-4-5'	Month 16	5/19/95	1.0	ns	ns	ns	ns	ns	
GPN-4-5'	Month 17	6/9/95	0.4	ns	ns	ns	ns	ns	
GPN-4-5'	Quarter 6	7/18/95	1.6	071809	<0.1	19.8	<0.5	20	

TABLE B.1

SOIL GAS SAMPLING RESULTS - WEST BANK
WAUSAU WATER SUPPLY NPL SITE

Sample	*Period*	*Date*	*HNu*	*Run*	*c12DCE (ug/L)*	*TCE (ug/L)*	*Perc (ug/L)*	*Total VOCs (ug/L)*	*Foot Notes*
GPN-4-15'	PreStartUp	12/7/93	17.0	120710	<1.5	70.0	<3.6	70	
GPN-4-15'	Week 1	1/11/94	2.4	011116	<0.1	15.5	<0.5	16	S
GPN-4-15'	Week 2	1/19/94	3.6	011910	<0.1	16.6	<0.5	17	S
GPN-4-15'	Week 3	1/25/94	1.4	012516	<0.1	2.4	<0.5	2	S
GPN-4-15'	Month 1	2/8/94	1.7	020808	<0.1	8.5	<0.5	9	S
GPN-4-15'	Month 2	3/9/94	1.4	030904	<0.1	4.3	<0.5	4	S
GPN-4-15'	Quarter 1	4/15/94	1.0	041505	<0.1	3.2	<0.5	3	S
GPN-4-15'	Month 4	5/11/94	4.0	ns	ns	ns	ns	ns	
GPN-4-15'	Month 5	6/8/94	2.5	ns	ns	ns	ns	ns	
GPN-4-15'	Quarter 2	8/10/94	0.6	081012	<0.9	3.5	<2.8	4	S
GPN-4-15'	Month 7	8/30/94	1.0	ns	ns	ns	ns	ns	
GPN-4-15'	Month 8	9/29/94	*1.7	ns	ns	ns	ns	ns	
GPN-4-15'	Quarter 3	10/18/94	*0.6	101817	<0.9	2.9	<1.0	3	S
GPN-4-15'	Month 10	11/22/94	0.8	ns	ns	ns	ns	ns	
GPN-4-15'	Month 11	12/13/94	0.6	ns	ns	ns	ns	ns	
GPN-4-15'	Quarter 4	1/11/95	0.6	011109	<0.2	1.6	<0.5	2	S
GPN-4-15'	Month 13	2/8/95	0.6	ns	ns	ns	ns	ns	
GPN-4-15'	Month 14	3/15/95	ns	ns	ns	ns	ns	ns	
GPN-4-15'	Quarter 5	4/12/95	0.4	041222	<0.1	1.1	1.1	3	S
GPN-4-15'	Month 16	5/19/95	5.6	ns	ns	ns	ns	ns	
GPN-4-15'	Month 17	6/9/95	0.2	ns	ns	ns	ns	ns	
GPN-4-15'	Quarter 6	7/18/95	0.3	071810	<0.1	0.9	<0.5	1	
GPN-4-25'	PreStartUp	12/7/93	26.0	120711	<1.5	100.0	<3.6	100	
GPN-4-25'	PreStartUp	12/9/93	24.0	120904	<1.5	98.6	<3.6	99	
GPN-4-25'	Week 1	1/11/94	0.3	011117	<0.1	15.5	<0.5	16	S
GPN-4-25'	Week 2	1/19/94	2.2	011911	<0.1	14.9	<0.5	15	S
GPN-4-25'	Week 3	1/25/94	1.6	012517	<0.1	9.8	<0.5	10	S
GPN-4-25'	Month 1	2/8/94	1.2	020809	<0.1	6.3	<0.5	6	S
GPN-4-25'	Month 2	3/9/94	0.8	030905	<0.1	3.1	<0.5	3	S
GPN-4-25'	Quarter 1	4/15/94	0.7	041506	<0.1	4.1	<0.5	4	S
GPN-4-25'	Month 4	5/11/94	7.4	ns	ns	ns	ns	ns	
GPN-4-25'	Month 5	6/8/94	0.6	ns	ns	ns	ns	ns	
GPN-4-25'	Quarter 2	8/10/94	0.9	081013	<0.9	4.0	<2.8	4	S
GPN-4-25'	Month 7	8/30/94	0.9	ns	ns	ns	ns	ns	
GPN-4-25'	Month 8	9/29/94	*1.6	ns	ns	ns	ns	ns	
GPN-4-25'	Quarter 3	10/18/94	*0.6	101818	<0.9	5.4	<1.0	5	S
GPN-4-25'	Month 10	11/22/94	0.7	ns	ns	ns	ns	ns	
GPN-4-25'	Month 11	12/13/94	0.5	ns	ns	ns	ns	ns	
GPN-4-25'	Quarter 4	1/11/95	0.8	011110	<0.2	3.0	<0.5	3	S
GPN-4-25'	Month 13	2/8/95	0.3	ns	ns	ns	ns	ns	
GPN-4-25'	Month 14	3/15/95	ns	ns	ns	ns	ns	ns	
GPN-4-25'	Quarter 5	4/12/95	0.2	041223	<0.1	1.5	<0.5	2	S
GPN-4-25'	Month 16	5/19/95	0.6	ns	ns	ns	ns	ns	
GPN-4-25'	Month 17	6/9/95	0.2	ns	ns	ns	ns	ns	
GPN-4-25'	Quarter 6	7/18/95	0.2	071811	<0.1	0.3	<0.5	1	

TABLE B.1

SOIL GAS SAMPLING RESULTS - WEST BANK
WAUSAU WATER SUPPLY NPL SITE

Sample	*Period*	*Date*	*HNu*	*Run*	*c12DCE (ug/L)*	*TCE (ug/L)*	*Perc (ug/L)*	*Total VOCs (ug/L)*	*Foot Notes*
GPN-5-5'	PreStartUp	12/7/93	4.0	120719	<0.9	<1.9	<2.8	GRO present	G
GPN-5-5'	Week 1	1/11/94	1.4	011109	<0.1	<0.2	<0.5	<1	S
GPN-5-5'	Week 2	1/18/94	0.2	011815	<0.1	<0.2	<0.5	<1	S
GPN-5-5'	Week 3	1/25/94	0.8	012503	<0.1	<0.2	<0.5	<1	S
GPN-5-5'	Month 1	2/7/94	1.3	020710	<0.1	<0.2	<0.5	<1	S
GPN-5-5'	Month 2	3/8/94	0.7	030808	<0.1	<0.2	<0.5	<1	S
GPN-5-5'	Quarter 1	4/14/94	1.2	041412	<0.1	<0.2	<0.5	<1	S
GPN-5-5'	Month 4	5/11/94	0.8	ns	ns	ns	ns	ns	
GPN-5-5'	Month 5	6/8/94	0.5	ns	ns	ns	ns	ns	
GPN-5-5'	Quarter 2	8/10/94	0.6	081008	<0.4	<0.4	<0.5	<2	S
GPN-5-5'	Month 7	8/30/94	0.2	ns	ns	ns	ns	ns	
GPN-5-5'	Month 8	9/29/94	*0.0	ns	ns	ns	ns	ns	
GPN-5-5'	Quarter 3	10/18/94	*0.0	101812	<0.9	<1.1	<1.1	GRO present	S,G
GPN-5-5'	Month 10	11/23/94	0.2	ns	ns	ns	ns	ns	
GPN-5-5'	Month 11	12/13/94	0.3	ns	ns	ns	ns	ns	
GPN-5-5'	Quarter 4	1/11/95	0.3	011105	<0.2	<0.2	<0.5	<1	S
GPN-5-5'	Month 13	2/8/95	0.2	ns	ns	ns	ns	ns	
GPN-5-5'	Month 14	3/15/95	0.4	ns	ns	ns	ns	ns	
GPN-5-5'	Quarter 5	4/12/95	0.5	041209	<0.1	<0.2	1.5	2	S
GPN -5-5'	Month 16	5/19/95	0.5	ns	ns	ns	ns	ns	
GPN-5-5'	Month 17	6/9/96	0.4	ns	ns	ns	ns	ns	
GPN-5-5'	Quarter 6	7/17/95	0.2	071708	<0.1	0.5	1.2	2	
GPN-5-15'	PreStartUp	12/7/93	4.0	120720	<0.9	<1.9	<2.8	GRO present	G
GPN-5-15'	PreStartUp	12/9/93	4.3	120906	<0.1	<0.2	<0.5	GRO present	G
GPN-5-15'	Week 1	1/11/94	6.8	011111	<0.1	<0.2	<0.5	<1	S
GPN-5-15'	Week 2	1/18/94	3.9	011816	<0.9	<0.2	<0.5	GRO present	S,G
GPN-5-15'	Week 3	1/25/94	0.3	012504	<0.1	<0.2	<0.5	<1	S
GPN-5-15'	Month 1	2/7/94	2.8	020711	<0.1	<0.2	<0.5	<1	S
GPN-5-15'	Month 2	3/8/94	4.0	030809	<0.1	<0.2	<0.5	<1	S
GPN-5-15'	Quarter 1	4/14/94	1.2	041415	<0.1	<0.2	<0.5	<1	S
GPN-5-15'	Month 4	5/11/94	1.2	ns	ns	ns	ns	ns	
GPN-5-15'	Month 5	6/8/94	1.5	ns	ns	ns	ns	ns	
GPN-5-15'	Quarter 2	8/10/94	2.3	081009	<0.9	<1.9	<2.8	<6	S
GPN-5-15'	Month 7	8/30/94	2.2	ns	ns	ns	ns	ns	
GPN-5-15'	Month 8	9/29/94	*0.0	ns	ns	ns	ns	ns	
GPN-5-15'	Quarter 3	10/18/94	*0.4	101814	<0.9	<1.1	<1.0	GRO present	S,G
GPN-5-15'	Month 10	11/23/94	2.6	ns	ns	ns	ns	ns	
GPN-5-15'	Month 11	12/13/94	0.8	ns	ns	ns	ns	ns	
GPN-5-15'	Quarter 4	1/11/95	1.0	011106	<0.2	<0.2	<0.8	GRO present	S,G
GPN-5-15'	Month 13	2/8/95	0.4	ns	ns	ns	ns	ns	
GPN-5-15'	Month 14	3/15/95	1.9	ns	ns	ns	ns	ns	
GPN-5-15'	Quarter 5	4/12/95	0.6	041210	<0.1	<0.2	1.3	2	S
GPN 5-15'	Month 16	5/19/95	0.5	ns	ns	ns	ns	ns	
GPN-5-15'	Month 17	6/9/95	0.4	ns	ns	ns	ns	ns	
GPN-5-15'	Quarter 6	7/17/95	0.3	071709	<0.1	<0.2	<0.5	<1	

TABLE B.1

SOIL GAS SAMPLING RESULTS - WEST BANK
WAUSAU WATER SUPPLY NPL SITE

Sample	Period	Date	HNu	Run	c12DCE (ug/L)	TCE (ug/L)	Perc (ug/L)	Total VOCs (ug/L)	Foot Notes
GPN-5-25'	PreStartUp	12/7/93	6.2	120721	<0.9	<1.9	<2.8	GRO present	G
GPN-5-25'	Week 1	1/11/94	4.6	011112	<0.1	<0.2	<0.5	GRO present	G
GPN-5-25'	Week 2	1/18/94	2.5	011817	<0.1	<0.4	<2.8	GRO present	G
GPN-5-25'	Week 3	1/25/94	0.4	012505	<0.1	<0.2	<0.5	<1	
GPN-5-25'	Month 1	2/7/94	1.1	020712	<0.1	<0.2	<0.5	<1	
GPN-5-25'	Month 2	3/8/94	0.7	030810	<0.1	<0.2	<0.5	<1	
GPN-5-25'	Quarter 1	4/14/94	2.1	041418	<0.1	<0.4	<0.5	<1	
GPN-5-25'	Month 4	5/11/94	5.8	ns	ns	ns	ns	ns	
GPN-5-25'	Month 5	6/8/94	1.9	ns	ns	ns	ns	ns	
GPN-5-25'	Quarter 2	8/10/94	1.6	081010	<0.9	<1.9	<2.8	<5	
GPN-5-25'	Month 7	8/30/94	0.3	ns	ns	ns	ns	ns	
GPN-5-25'	Month 8	9/29/94	*0.1	ns	ns	ns	ns	ns	
GPN-5-25'	Quarter 3	10/18/94	*0.3	101815	<0.9	<2.0	<2.0	GRO present	G
GPN-5-25'	Month 10	11/23/94	0.4	ns	ns	ns	ns	ns	
GPN-5-25'	Month 11	12/13/94	0.7	ns	ns	ns	ns	ns	
GPN-5-25'	Quarter 4	1/11/95	0.5	011107	<0.2	<0.3	<1.4	<2	
GPN-5-25'	Month 13	2/8/95	1.6	ns	ns	ns	ns	ns	
GPN-5-25'	Month 14	3/15/95	3.0	ns	ns	ns	ns	ns	
GPN-5-25'	Quarter 5	4/12/95	0.2	041211	<0.1	<0.2	1.4	2	
GPN-5-25'	Month 16	5/19/95	0.9	ns	ns	ns	ns	ns	
GPN-5-25'	Month 17	6/9/95	0.8	ns	ns	ns	ns	ns	
GPN-5-25'	Quarter 6	7/17/95	0.6	071710	<0.1	<0.2	1.4	2	
GP-1	PreStartUp	12/8/93	15.2	120804	<1.5	65.4	<3.6	65	
GP-1	Week 1	1/12/94	2.8	011205/06	<0.1	8.8	<0.5	9	
GP-1	Week 2	1/19/94	1.2	011908	<0.1	7.4	<0.5	7	S
GP-1	Week 3	1/25/94	1.0	012514	<0.1	4.9	<0.5	5	S
GP-1	Month 1	2/8/94	1.0	020806	<0.1	4.3	<0.5	4	S
GP-1	Month 2	3/8/94	0.9	030817	<0.1	2.0	<0.5	2	S
GP-1	Quarter 1	4/14/94	1.3	041427	<0.1	7.8	<0.5	8	S
GP-1	Month 4	5/11/94	8.0	ns	ns	ns	ns	ns	
GP-1	Month 5	6/8/94	0.6	ns	ns	ns	ns	ns	
GP-1	Quarter 2	8/10/94	1.0	081007	<0.9	6.1	<2.8	6	S
GP-1	Month 7	8/30/94	0.6	ns	ns	ns	ns	ns	
GP-1	Month 8	9/29/94	*0.0	ns	ns	ns	ns	ns	
GP-1	Quarter 3	10/18/94	*0.4	101811	<0.9	5.7	<1.0	6	S
GP-1	Month 10	11/22/94	0.6	ns	ns	ns	ns	ns	
GP-1	Month 11	12/13/94	0.4	ns	ns	ns	ns	ns	
GP-1	Quarter 4	1/10/95	0.5	011024	<0.2	2.8	<0.5	3	S
GP-1	Month 13	2/8/95	0.4	ns	ns	ns	ns	ns	
GP-1	Month 14	3/15/95	ns	ns	ns	ns	ns	ns	
GP-1	Quarter 5	4/12/95	0.4	041220	<0.1	2.3	<0.5	3	S
GP-1	Month 16	5/19/95	19.0	ns	ns	ns	ns	ns	
GP-1	Month 17	6/9/95	0.2	ns	ns	ns	ns	ns	
GP-1	Quarter 6	7/18/95	0.3	071807	<0.1	1.1	<0.5	2	

TABLE B.1

SOIL GAS SAMPLING RESULTS - WEST BANK
WAUSAU WATER SUPPLY NPL SITE

Sample	*Period*	*Date*	*HNu*	*Run*	*c12DCE (ug/L)*	*TCE (ug/L)*	*Perc (ug/L)*	*Total VOCs (ug/L)*	*Foot Notes*
GP-2	PreStartUp	12/8/93	22.0	120805	<1.5	87.4	<3.6	87	
GP-2	Week 1	1/12/94	14.9	011207	<0.1	41.3	<0.5	41	S
GP-2	Week 2	1/19/94	6.0	011912	<0.1	42.8	<0.5	43	S
GP-2	Week 3	1/26/94	5.6	012607	<0.1	38.3	<0.5	38	S
GP-2	Month 1	2/8/94	6.3	020817	<0.1	34.6	<0.5	35	S
GP-2	Month 2	ns	ns	ns	ns	ns	ns	ns	
GP-2	Quarter 1	4/15/94	3.0	041503	<0.1	20.5	<0.5	21	S
GP-2	Month 4	5/11/94	5.6	ns	ns	ns	ns	ns	
GP-2	Month 5	6/8/94	3.0	ns	ns	ns	ns	ns	
GP-2	Quarter 2	8/10/94	2.0	081014	<0.9	20.2	<2.8	20	S
GP-2	Month 7	8/30/94	2.4	ns	ns	ns	ns	ns	
GP-2	Month 8	9/29/94	*2.2	ns	ns	ns	ns	ns	
GP-2	Quarter 3	10/18/94	*0.5	101819	<0.9	18.9	<1.0	19	S
GP-2	Month 10	11/23/94	2.2	ns	ns	ns	ns	ns	
GP-2	Month 11	12/13/94	1.4	ns	ns	ns	ns	ns	
GP-2	Quarter 4	1/11/95	1.1	011104	<0.2	7.6	<0.5	8	S
GP-2	Month 13	2/8/95	1.2	ns	ns	ns	ns	ns	
GP-2	Month 14	3/15/95	0.7	ns	ns	ns	ns	ns	
GP-2	Quarter 5	4/12/95	0.7	041219	<0.1	4.4	1.4	6	S
GP-2	Month 16	5/19/95	1.4	ns	ns	ns	ns	ns	
GP-2	Month 17	6/9/95	0.6	ns	ns	ns	ns	ns	
GP-2	Quarter 6	7/18/95	0.6	071808	<0.1	2.7	<0.5	3	
GP-3	PreStartUp	12/8/93	2.5	120806	<0.9	4.6	<2.8	5	
GP-3	PreStartUp	12/9/93	0.6	120905	<0.1	6.8	<0.5	7	
GP-3	Week 1	1/11/94	0.4	011104	<0.1	0.7	<0.5	1	
GP-3	Week 2	1/19/94	0.3	011904	<0.1	0.6	<0.5	1	
GP-3	Week 3	1/25/94	0.3	012510	<0.1	0.4	<0.5	<1	
GP-3	Month 1	2/7/94	0.5	020714	<0.1	0.4	<0.5	<1	
GP-3	Month 2	3/8/94	0.5	030812	<0.1	<0.2	<0.5	<1	
GP-3	Quarter 1	4/14/94	0.5	041422	<0.1	0.4	<0.5	<1	
GP-3	Month 4	5/12/94	0.8	ns	ns	ns	ns	ns	
GP-3	Month 5	6/8/94	0.5	ns	ns	ns	ns	ns	
GP-3	Quarter 2	8/9/94	0.4	080910	<0.4	1.1	<0.5	1	
GP-3	Month 7	8/30/94	0.3	ns	ns	ns	ns	ns	
GP-3	Month 8	9/29/94	*0.6	ns	ns	ns	ns	ns	
GP-3	Quarter 3	10/18/94	*0.2	101809	<0.9	1.2	<1.0	1	
GP-3	Month 10	11/23/94	0.3	ns	ns	ns	ns	ns	
GP-3	Month 11	12/13/94	0.3	ns	ns	ns	ns	ns	
GP-3	Quarter 4	1/10/95	0.2	011019	<0.2	<0.2	<0.5	<1	
GP-3	Month 13	2/8/95	0.3	ns	ns	ns	ns	ns	
GP-3	Month 14	3/15/95	ns	ns	ns	ns	ns	ns	
GP-3	Quarter 5	4/12/95	0.2	041213	<0.1	0.6	1.2	2	
GP-3	Month 16	5/19/95	0.5	ns	ns	ns	ns	ns	
GP-3	Month 17	6/9/95	0.4	ns	ns	ns	ns	ns	
GP-3	Quarter 6	7/17/95	0.2	071712	<0.1	<0.2	<0.5	<1	

TABLE B.1

SOIL GAS SAMPLING RESULTS - WEST BANK
WAUSAU WATER SUPPLY NPL SITE

Sample	*Period*	*Date*	*HNu*	*Run*	*c12DCE (ug/L)*	*TCE (ug/L)*	*Perc (ug/L)*	*Total VOCs (ug/L)*	*Foot Notes*
GP-4	PreStartUp	12/8/94	3.2	120807	<0.9	6.7	<2.8	7	
GP-4	Week 1	1/11/94	0.6	011106	<0.1	0.7	<0.5	1	
GP-4	Week 2	1/19/94	0.3	011905	<0.1	0.6	<0.5	1	
GP-4	Week 3	1/25/94	0.4	012511	<0.1	0.4	<0.5	<1	
GP-4	Month 1	2/7/94	0.7	020716	<0.1	0.3	<0.5	<1	
GP-4	Month 2	3/8/94	0.5	030811	<0.1	0.3	<0.5	<1	
GP-4	Quarter 1	4/14/94	0.7	041419	<0.1	0.5	<0.5	1	
GP-4	Month 4	5/11/94	3.4	ns	ns	ns	ns	ns	
GP-4	Month 5	6/8/94	0.9	ns	ns	ns	ns	ns	
GP-4	Quarter 2	8/9/94	0.7	080911	<0.4	2.5	<0.5	3	
GP-4	Month 7	8/30/94	0.4	ns	ns	ns	ns	ns	
GP-4	Month 8	9/29/94	*0.2	ns	ns	ns	ns	ns	
GP-4	Quarter 3	10/19/94	*0.3	101909	<0.9	1.7	<1.0	2	
GP-4	Month 10	11/23/94	0.4	ns	ns	ns	ns	ns	
GP-4	Month 11	12/13/94	0.3	ns	ns	ns	ns	ns	
GP-4	Quarter 4	1/10/95	0.3	011020	<0.2	0.3	<0.5	<1	
GP-4	Month 13	2/8/95	0.2	ns	ns	ns	ns	ns	
GP-4	Month 14	3/15/95	0.3	ns	ns	ns	ns	ns	
GP-4	Quarter 5	4/12/95	0.2	041214	<0.1	0.6	1.6	3	
GP-4	Month 16	5/19/95	0.5	ns	ns	ns	ns	ns	
GP-4	Month 17	6/9/95	0.4	ns	ns	ns	ns	ns	
GP-4	Quarter 6	7/17/95	0.4	071714	<0.1	1.3	<0.5	2	
GP-5	PreStartUp	12/8/93	8.5	120809	<1.5	29.2	<3.6	29	
GP-5	Week 1	1/11/94	0.4	011113	<0.1	3.9	<0.5	4	
GP-5	Week 2	1/19/94	0.4	011907	<0.1	1.4	<0.5	1	
GP-5	Week 3	1/25/94	0.4	012512	<0.1	1.4	<0.5	1	
GP-5	Month 1	2/8/94	0.4	020805	<0.1	1.0	<0.5	1	
GP-5	Month 2	3/8/94	0.5	030814	<0.1	0.7	<0.5	1	
GP-5	Quarter 1	4/14/94	0.5	041420	0.4	0.8	<0.5	1	
GP-5	Month 4	5/11/94	1.6	ns	ns	ns	ns	ns	
GP-5	Month 5	6/8/94	0.5	ns	ns	ns	ns	ns	
GP-5	Quarter 2	8/9/94	0.4	080912	<0.4	0.6	<0.5	1	
GP-5	Month 7	8/30/94	0.3	ns	ns	ns	ns	ns	
GP-5	Month 8	9/29/94	*0.3	ns	ns	ns	ns	ns	
GP-5	Quarter 3	10/19/94	*0.1	101910	<0.9	1.2	<1.0	1	
GP-5	Month 10	11/29/94	0.2	ns	ns	ns	ns	ns	
GP-5	Month 11	12/13/94	0.2	ns	ns	ns	ns	ns	
GP-5	Quarter 4	1/10/95	0.3	011021	<0.2	0.3	<0.5	<1	
GP-5	Month 13	2/8/95	0.2	ns	ns	ns	ns	ns	
GP-5	Month 14	3/15/95	0.3	ns	ns	ns	ns	ns	
GP-5	Quarter 5	4/12/95	0.0	041217	<0.1	0.5	<0.5	1	
GP-5	Month 16	5/19/95	0.5	ns	ns	ns	ns	ns	
GP-5	Month 17	6/9/95	0.2	ns	ns	ns	ns	ns	
GP-5	Quarter 6	7/18/95	0.0	071806	<0.1	0.2	<0.5	1	

TABLE B.1

SOIL GAS SAMPLING RESULTS - WEST BANK
WAUSAU WATER SUPPLY NPL SITE

Sample	*Period*	*Date*	*HNu*	*Run*	*c12DCE (ug/L)*	*TCE (ug/L)*	*Perc (ug/L)*	*Total VOCs (ug/L)*	*Foot Notes*
GP-6	PreStartUp	12/8/93	9.0	120803	<1.5	54.9	<3.6	55	
GP-6	Week 1	1/11/94	1.9	011124	<0.1	0.4	<0.5	<1	
GP-6	Week 2	1/18/94	0.2	011819	<0.1	0.3	<0.5	<1	
GP-6	Week 3	1/25/94	0.3	012507	<0.1	0.2	<0.5	<1	
GP-6	Month 1	2/7/94	0.6	020713	<0.1	<0.2	<0.5	<1	
GP-6	Month 2	ns	ns	ns	ns	ns	ns	ns	
GP-6	Quarter 1	4/14/94	0.6	041423	<0.1	0.5	<0.5	1	
GP-6	Month 4	5/11/94	2.0	ns	ns	ns	ns	ns	
GP-6	Month 5	6/8/94	0.5	ns	ns	ns	ns	ns	
GP-6	Quarter 2	8/9/94	0.4	080913	<0.4	0.6	<0.5	1	
GP-6	Month 7	8/30/94	0.7	ns	ns	ns	ns	ns	
GP-6	Month 8	9/29/94	*0.3	ns	ns	ns	ns	ns	
GP-6	Quarter 3	10/19/94	*0.2	101911	<0.9	<1.0	<1.0	<3	
GP-6	Month 10	11/22/94	0.2	ns	ns	ns	ns	ns	
GP-6	Month 11	12/13/94	0.2	ns	ns	ns	ns	ns	
GP-6	Quarter 4	1/10/95	0.2	011022	<0.2	<0.2	<0.5	<1	
GP-6	Month 13	2/8/95	ns	ns	ns	ns	ns	ns	
GP-6	Month 14	3/15/95	ns	ns	ns	ns	ns	ns	
GP-6	Quarter 5	4/12/95	0.2	041212	<0.1	0.5	1.1	2	
GP-6	Month 16	5/19/95	0.5	ns	ns	ns	ns	ns	
GP-6	Month 17	6/9/95	0.2	ns	ns	ns	ns	ns	
GP-6	Quarter 6	7/17/95	0.3	071711	<0.1	0.5	<0.5	1	
GP-7	PreStartUp	12/8/93	1.3	120810	<0.9	2.0	<2.8	2	
GP-7	Week 1	1/10/94	18.8	011006	<0.9	0.4	<0.5	<1	S
GP-7	Week 2	1/18/94	2.5	011818	<0.1	0.5	<0.5	1	S
GP-7	Week 3	1/25/94	1.0	012508	<0.1	0.7	<0.5	1	S
GP-7	Month 1	2/8/94	0.9	020803	<0.1	1.7	<0.5	2	S
GP-7	Month 2	3/8/94	1.4	030816	<0.1	0.5	<0.5	1	S
GP-7	Quarter 1	4/14/94	2.9	041416	<0.1	4.3	<0.5	4	S
GP-7	Month 4	5/11/94	2.6	ns	ns	ns	ns	ns	
GP-7	Month 5	6/8/94	1.2	ns	ns	ns	ns	ns	
GP-7	Quarter 2	8/9/94	0.7	080915	<0.4	1.9	<0.5	2	S
GP-7	Month 7	8/30/94	1.0	ns	ns	ns	ns	ns	
GP-7	Month 8	9/29/94	*0.0	ns	ns	ns	ns	ns	
GP-7	Quarter 3	10/18/94	*0.2	101810	<0.9	4.5	<1.0	5	S
GP-7	Month 10	11/22/94	0.2	ns	ns	ns	ns	ns	
GP-7	Month 11	12/13/94	0.2	ns	ns	ns	ns	ns	
GP-7	Quarter 4	1/10/95	0.7	011023	<0.2	3.4	<0.5	3	S
GP-7	Month 13	2/8/95	0.2	ns	ns	ns	ns	ns	
GP-7	Month 14	3/15/95	0.3	ns	ns	ns	ns	ns	
GP-7	Quarter 5	4/12/95	0.2	041215	<0.1	1.7	1.1	3	S
GP-7	Month 16	5/19/95	0.4	ns	ns	ns	ns	ns	
GP-7	Month 17	6/9/95	0.4	ns	ns	ns	ns	ns	
GP-7	Quarter 6	7/18/95	0.3	071804	<0.1	0.3	<0.5	1	

TABLE B.1

SOIL GAS SAMPLING RESULTS - WEST BANK
WAUSAU WATER SUPPLY NPL SITE

Sample	*Period*	*Date*	*HNu*	*Run*	*c12DCE (ug/L)*	*TCE (ug/L)*	*Perc (ug/L)*	*Total VOCs (ug/L)*	*Foot Notes*
GP-8	PreStartUp	12/8/93	0.6	120811	<0.1	<0.2	<0.5	<1	
GP-8	Week 1	1/10/94	0.3	011003	<0.1	<0.2	<0.5	<1	
GP-8	Week 2	1/18/94	0.2	011810	<0.1	<0.2	<0.5	<1	
GP-8	Week 3	1/24/94	0.8	012403	<0.1	<0.2	<0.5	<1	
GP-8	Month 1	2/7/94	0.4	020704	<0.1	<0.2	<0.5	<1	
GP-8	Month 2	3/8/94	0.7	030803	<0.1	<0.2	<0.5	<1	
GP-8	Quarter 1	4/14/94	0.6	041408	<0.1	<0.2	<0.5	<1	
GP-8	Month 4	5/11/94	0.8	ns	ns	ns	ns	ns	
GP-8	Month 5	6/8/94	0.4	ns	ns	ns	ns	ns	
GP-8	Quarter 2	8/9/94	0.2	080904	<0.4	<0.4	<0.5	<1	
GP-8	Month 7	8/30/94	0.2	ns	ns	ns	ns	ns	
GP-8	Month 8	9/29/94	*0.0	ns	ns	ns	ns	ns	
GP-8	Quarter 3	10/18/94	*0.0	101803	<0.9	<1.0	<1.0	<3	
GP-8	Month 10	11/22/94	0.1	ns	ns	ns	ns	ns	
GP-8	Month 11	12/13/94	0.4	ns	ns	ns	ns	ns	
GP-8	Quarter 4	1/10/95	0.2	011013	<0.2	<0.2	<0.5	<1	
GP-8	Month 13	2/8/95	0.2	ns	ns	ns	ns	ns	
GP-8	Month 14	3/15/95	0.3	ns	ns	ns	ns	ns	
GP-8	Quarter 5	4/12/95	0.7	041203	<0.1	<0.2	<0.5	<1	
GP-8	Month 16	5/19/95	0.3	ns	ns	ns	ns	ns	
GP-8	Month 17	6/9/95	0.4	ns	ns	ns	ns	ns	
GP-8	Quarter 6	7/17/95	0.2	071703	<0.1	<0.2	<0.5	<1	
GP-9	PreStartUp	12/8/93	1.1	120812	<0.1	<0.2	<0.5	<1	
GP-9	Week 1	1/10/94	0.5	011005	<0.1	<0.2	<0.5	<1	
GP-9	Week 2	1/18/94	0.2	011811	<0.1	<0.2	<0.5	<1	
GP-9	Week 3	1/24/94	0.2	012404	<0.1	<0.2	<0.5	<1	
GP-9	Month 1	2/7/94	0.4	020706	<0.1	<0.2	<0.5	<1	
GP-9	Month 2	3/8/94	0.4	030804	<0.1	<0.2	<0.5	<1	
GP-9	Quarter 1	4/14/94	0.4	041410	<0.1	<0.2	<0.5	<1	
GP-9	Month 4	5/11/94	5.0	ns	ns	ns	ns	ns	
GP-9	Month 5	6/8/94	0.5	ns	ns	ns	ns	ns	
GP-9	Quarter 2	8/9/94	0.3	080905	<0.4	<0.4	<0.5	<1	
GP-9	Month 7	8/30/94	0.7	ns	ns	ns	ns	ns	
GP-9	Month 8	9/29/94	*0.0	ns	ns	ns	ns	ns	
GP-9	Quarter 3	10/18/94	*0.1	101804	<0.9	<1.0	1.2	1	
GP-9	Month 10	11/22/94	0.2	ns	ns	ns	ns	ns	
GP-9	Month 11	12/13/94	0.2	ns	ns	ns	ns	ns	
GP-9	Quarter 4	1/10/95	0.3	011014	<0.2	<0.2	<0.5	<1	
GP-9	Month 13	2/8/95	0.2	ns	ns	ns	ns	ns	
GP-9	Month 14	3/15/95	0.3	ns	ns	ns	ns	ns	
GP-9	Quarter 5	4/12/95	0.5	041204	<0.1	<0.2	1.2	2	
GP-9	Month 16	5/19/95	0.4	ns	ns	ns	ns	ns	
GP-9	Month 17	6/9/95	0.2	ns	ns	ns	ns	ns	
GP-9	Quarter 6	7/17/95	0.2	071704	<0.1	<0.2	1.2	2	

TABLE B.1

SOIL GAS SAMPLING RESULTS - WEST BANK
WAUSAU WATER SUPPLY NPL SITE

Sample	*Period*	*Date*	*HNu*	*Run*	*c12DCE (ug/L)*	*TCE (ug/L)*	*Perc (ug/L)*	*Total VOCs (ug/L)*	*Foot Notes*
GP-10	PreStartUp	12/8/93	1.0	120813	<0.1	0.3	<0.5	<1	
GP-10	Week 1	1/10/94	26.0	011004	<0.9	<0.2	<0.5	<2	S
GP-10	Week 2	1/18/94	1.1	011812	<0.1	<0.2	<0.5	<1	S
GP-10	Week 3	1/24/94	0.9	012405	<0.1	<0.2	<0.5	<1	S
GP-10	Month 1	2/7/94	0.9	020707	<0.1	<0.2	<0.5	<1	S
GP-10	Month 2	3/8/94	1.0	030805	<0.1	<0.2	<0.5	<1	S
GP-10	Quarter 1	4/14/94	2.6	041411	<0.1	<0.2	<0.5	<1	S
GP-10	Month 4	5/11/94	11.2	ns	ns	ns	ns	ns	
GP-10	Month 5	6/8/94	2.0	ns	ns	ns	ns	ns	
GP-10	Quarter 2	8/9/94	0.8	080906	<0.4	<0.4	<0.5	<1	S
GP-10	Month 7	8/30/94	1.8	ns	ns	ns	ns	ns	
GP-10	Month 8	9/29/94	*0.0	ns	ns	ns	ns	ns	
GP-10	Quarter 3	10/18/94	*0.4	101805	<0.9	<1.0	1.1	1	S
GP-10	Month 10	11/23/94	0.2	ns	ns	ns	ns	ns	
GP-10	Month 11	12/13/94	0.2	ns	ns	ns	ns	ns	
GP-10	Quarter 4	1/10/95	0.2	011015	<0.2	<0.2	<0.5	<1	S
GP-10	Month 13	2/8/95	0.2	ns	ns	ns	ns	ns	
GP-10	Month 14	3/15/95	0.4	ns	ns	ns	ns	ns	
GP-10	Quarter 5	4/12/95	0.4	041205	<0.1	<0.2	<0.5	<1	S
GP-10	Month 16	5/19/95	0.5	ns	ns	ns	ns	ns	
GP-10	Month 17	6/9/95	0.4	ns	ns	ns	ns	ns	
GP-10	Quarter 6	7/17/95	0.4	071705	<0.1	<0.2	<0.5	<1	
GP-11	PreStartUp	12/8/93	1.7	120814	<0.1	2.4	<0.5	2	
GP-11	Week 1	1/11/94	9.5	011008	<0.9	<1.9	<0.5	<4	S
GP-11	Week 2	1/18/94	0.5	011813	<0.1	<0.2	<0.5	<1	S
GP-11	Week 3	1/24/94	0.6	012406	<0.1	<0.2	<0.5	<1	S
GP-11	Month 1	2/7/94	0.7	020708	<0.1	<0.2	<0.5	<1	S
GP-11	Month 2	3/8/94	0.8	030806	<0.1	<0.2	<0.5	<1	S
GP-11	Quarter 1	4/14/94	1.6	041417	<0.1	<0.2	<0.5	<1	S
GP-11	Month 4	5/11/94	7.2	ns	ns	ns	ns	ns	
GP-11	Month 5	6/8/94	0.8	ns	ns	ns	ns	ns	
GP-11	Quarter 2	8/9/94	0.4	080907	<0.4	<0.4	<0.5	<2	S
GP-11	Month 7	8/30/94	1.6	ns	ns	ns	ns	ns	
GP-11	Month 8	9/29/94	*0.0	ns	ns	ns	ns	ns	
GP-11	Quarter 3	10/18/94	*0.4	101806	<0.9	1.1	<1.0	1	S
GP-11	Month 10	11/23/94	0.3	ns	ns	ns	ns	ns	
GP-11	Month 11	12/13/94	0.3	ns	ns	ns	ns	ns	
GP-11	Quarter 4	1/10/95	0.4	011016	<0.2	<0.2	<0.5	<1	S
GP-11	Month 13	2/8/95	0.2	ns	ns	ns	ns	ns	
GP-11	Month 14	3/15/95	0.4	ns	ns	ns	ns	ns	
GP-11	Quarter 5	4/12/95	0.4	041206	<0.1	0.6	1.2	2	S
GP-11	Month 16	5/19/95	0.4	ns	ns	ns	ns	ns	
GP-11	Month 17	6/9/95	0.2	ns	ns	ns	ns	ns	
GP-11	Quarter 6	7/17/95	0.0	071706	<0.1	0.5	<0.5	<1	

TABLE B.1

SOIL GAS SAMPLING RESULTS - WEST BANK
WAUSAU WATER SUPPLY NPL SITE

Sample	*Period*	*Date*	*HNu*	*Run*	*c12DCE (ug/L)*	*TCE (ug/L)*	*Perc (ug/L)*	*Total VOCs (ug/L)*	*Foot Notes*
GP-12	PreStartUp	12/8/93	3.2	120815/16	<0.1	0.2	<0.5	<1	
GP-12	Week 1	1/11/94	0.5	011105	<0.1	<0.2	<0.5	<1	
GP-12	Week 2	1/18/94	0.3	011814	<0.1	0.2	<0.5	<1	
GP-12	Week 3	1/25/94	0.3	012506	<0.1	<0.2	<0.5	<1	
GP-12	Month 1	2/7/94	0.5	020709	<0.1	<0.2	<0.5	<1	
GP-12	Month 2	ns	ns	ns	ns	ns	ns	ns	
GP-12	Quarter 1	4/14/94	0.5	041413	<0.1	<0.2	<0.5	<1	
GP-12	Month 4	5/11/94	3.2	ns	ns	ns	ns	ns	
GP-12	Month 5	6/8/94	0.5	ns	ns	ns	ns	ns	
GP-12	Quarter 2	8/9/94	0.6	080908	<0.4	<0.4	<0.5	<2	
GP-12	Month 7	8/30/94	0.3	ns	ns	ns	ns	ns	
GP-12	Month 8	9/29/94	*0.0	ns	ns	ns	ns	ns	
GP-12	Quarter 3	10/18/94	*0.4	101807	<0.9	1.1	1.3	2	
GP-12	Month 10	11/29/94	0.4	ns	ns	ns	ns	ns	
GP-12	Month 11	12/13/94	0.4	ns	ns	ns	ns	ns	
GP-12	Quarter 4	1/10/95	0.4	011017	<0.2	0.2	0.5	1	
GP-12	Month 13	2/8/95	0.3	ns	ns	ns	ns	ns	
GP-12	Month 14	3/15/95	0.4	ns	ns	ns	ns	ns	
GP-12	Quarter 5	4/12/95	0.3	041208	<0.1	0.5	1.3	2	
GP-12	Month 16	5/19/95	0.4	ns	ns	ns	ns	ns	
GP-12	Month 17	6/9/95	0.4	ns	ns	ns	ns	ns	
GP-12	Quarter 6	7/17/95	0.2	071707	<0.1	<0.2	1.2	2	
GP-13	PreStartUp	12/8/93	1.5	120817	<0.1	0.6	<0.5	1	
GP-13	Week 1	1/10/94	5.8	011007	<0.9	1.7	<0.5	2	S
GP-13	Week 2	1/19/94	1.0	011906	<0.1	1.8	<0.5	2	S
GP-13	Week 3	1/25/94	0.6	012513	<0.1	0.9	<0.5	1	S
GP-13	Month 1	2/8/94	0.7	020804	<0.1	1.0	<0.5	1	S
GP-13	Month 2	3/8/94	0.6	030815	<0.1	0.3	<0.5	<1	S
GP-13	Quarter 1	4/14/94	1.0	041414	<0.1	0.3	<0.5	<1	S
GP-13	Month 4	5/11/94	2.5	ns	ns	ns	ns	ns	
GP-13	Month 5	6/8/94	0.6	ns	ns	ns	ns	ns	
GP-13	Quarter 2	8/9/94	0.5	080909	<0.4	0.3	<0.5	<1	S
GP-13	Month 7	8/30/94	0.3	ns	ns	ns	ns	ns	
GP-13	Month 8	9/29/94	*0.3	ns	ns	ns	ns	ns	
GP-13	Quarter 3	10/18/94	*0.1	101808	<0.9	1.2	<1.0	1	S
GP-13	Month 10	11/23/94	0.3	ns	ns	ns	ns	ns	
GP-13	Month 11	12/13/94	0.2	ns	ns	ns	ns	ns	
GP-13	Quarter 4	1/10/95	0.2	011018	<0.2	<0.2	<0.5	<1	S
GP-13	Month 13	2/8/95	0.2	ns	ns	ns	ns	ns	
GP-13	Month 14	3/15/95	0.8	ns	ns	ns	ns	ns	
GP-13	Quarter 5	4/12/95	0.2	041216	<0.1	0.5	1.2	2	S
GP-13	Month 16	5/19/95	0.5	ns	ns	ns	ns	ns	
GP-13	Month 17	6/9/95	0.4	ns	ns	ns	ns	ns	
GP-13	Quarater 6	7/18/95	0.2	071805	<0.1	<0.2	<0.5	<1	

TABLE B.1

SOIL GAS SAMPLING RESULTS - WEST BANK
WAUSAU WATER SUPPLY NPL SITE

Sample	*Period*	*Date*	*HNu*	*Run*	*c12DCE (ug/L)*	*TCE (ug/L)*	*Perc (ug/L)*	*Total VOCs (ug/L)*	*Foot Notes*

Notes:

The following compounds (with their respective detection limits) were included in the standard VOC calibration and were analyzed for: 11DCE (0.2 ug/l), t12DCE (0.2 ug/l), 11DCA (2.4 ug/l), c12DCE (0.1 ug/l), 111TCA (3.0 ug/l), Benzene (0.2 ug/l), 12DCA (3.0 ug/l), TCE (0.2 ug/l), Toluene (0.2 ug/l), 112TCA (3.0 ug/l), Perc (0.5 ug/l), Chlorobenzene (0.4 ug/l), Ethylbenzene (0.4 ug/l), m&p Xylene (0.4 ug/l), 0 Xylene (0.5 ug/l), 1122TCA (3.0 ug/l), 13DCB (1.2 ug/l), 14DCB (1.2 ug/l), 12 DCB (1.2 ug/l).

Only those compounds detected are reported above.

Unknown peaks, if present, are foot noted as described below.

Although Acetone was not in the calibration mixture, the presence of Acetone (in sufficient quantity) would have shown up as a peak eluting at the same time as 11DCE and would have probably been reported as 11DCE.

FOOT NOTES:

S = Unidentified peaks present believed to be associated with Silicon caulk used to seal the soil probe caps (after the pre-start up round of analysis). The magnitude of these peaks tended to diminish with time. By the fifth or sixth quarter, very little if any was observed.

G = Petroleum related hydrocarbons appear to be present in the gasoline (GRO) range..

HNU Reading by 11.7 eV lamp. All others by 10.2 eV lamp.

TABLE B.2

SCREENING RESULTS - EAST BANK
WAUSAU WATER SUPPLY NPL SITE

Sample	*Period*	*Date*	*HNu*	*Run*	*c12DCE (ug/L)*	*TCE (ug/L)*	*Perc (ug/L)*	*Total VOCs (ug/L)*	*Foot Notes*
GPN-6-4'	PreStartUp	12/10/93	3.5	121005	<0.9	<1.9	13.1	13	
GPN-6-4'	Week 1	1/13/94	1.3	011306	<0.1	<0.2	6.2	6	
GPN-6-4'	Week 2	1/21/94	1.1	012105	<0.1	<0.2	8.8	9	
GPN-6-4'	Week 3	1/28/94	0.6	012806	<0.1	<0.2	6.4	6	
GPN-6-4'	Month 1	2/10/94	0.6	021011	<0.1	<0.2	2.9	3	
GPN-6-4'	Month 2	3/11/94	0.4	031115	<0.1	<0.2	<0.5	<1	
GPN-6-4'	Quarter 1	4/12/94	0.4	041218	<0.1	<0.2	2.5	3	
GPN-6-4'	Month 4	5/12/94	4.0	ns	ns	ns	ns	ns	
GPN-6-4'	Month 5	6/9/94	1.6	ns	ns	ns	ns	ns	
GPN-6-4'	Quarter 2	8/11/94	1.8	081115	<0.4	<0.4	>15.5	>15	
GPN-6-4'	Month 7	8/30/94	1.0	ns	ns	ns	ns	ns	
GPN-6-4'	Month 8	9/30/94	*0.3	ns	ns	ns	ns	ns	
GPN-6-4'	Quarter 3	10/19/94	*0.2	101914	<0.9	<1.0	9.7	10	
GPN-6-4'	Month 10	11/23/94	0.6	ns	ns	ns	ns	ns	
GPN-6-4'	Month 11	12/13/94	0.6	ns	ns	ns	ns	ns	
GPN-6-4'	Quarter 4	1/13/95	0.5	011303	<0.2	<0.2	2.4	2	
GPN-6-4'	Month 13	2/8/95	0.4	ns	ns	ns	ns	ns	
GPN-6-4'	Month 14	3/15/95	1.7	ns	ns	ns	ns	ns	
GPN-6-4'	Quarter 5	4/11/95	5.1	041108	<0.1	<0.2	3.0	3	
GPN-6-4'	Month 16	5/19/95	1.7	ns	ns	ns	ns	ns	
GPN-6-4'	Month 17	6/9/95	1.4	ns	ns	ns	ns	ns	
GPN-6-4'	Quarter 6	7/21/95	0.8	072103	<0.1	<0.2	12.6	13	
GPN-6-8'	PreStartUp	12/10/93	4.8	121006	<0.9	<1.9	29.1	29	
GPN-6-8'	Week 1	1/13/94	6.1	011307	<0.9	<0.2	14.3	14	S
GPN-6-8'	Week 2	1/21/94	4.2	012106	<0.1	<0.2	18.3	18	S
GPN-6-8'	Week 3	1/27/94	4.6	012707/08	<0.1	<0.2	17.2	17	S
GPN-6-8'	Month 1	2/10/94	2.7	021012	<0.1	<0.2	15.5	16	S
GPN-6-8'	Month 2	3/11/94	3.0	031116	<0.1	<0.2	2.7	3	S
GPN-6-8'	Quarter 1	4/12/94	3.2	041219	<0.1	<0.2	2.9	3	S
GPN-6-8'	Month 4	5/12/94	9.2	ns	ns	ns	ns	ns	
GPN-6-8'	Month 5	6/9/94	2.3	ns	ns	ns	ns	ns	
GPN-6-8'	Quarter 2	8/11/94	2.7	081117	<0.4	<0.4	21.8	22	S
GPN-6-8'	Month 7	8/30/94	1.8	ns	ns	ns	ns	ns	
GPN-6-8'	Month 8	9/30/94	*0.4	ns	ns	ns	ns	ns	
GPN-6-8'	Quarter 3	10/19/94	*0.2	101915	<0.9	<1.0	16.8	17	S
GPN-6-8'	Month 10	11/23/94	1.6	ns	ns	ns	ns	ns	
GPN-6-8'	Month 11	12/13/94	1.0	ns	ns	ns	ns	ns	
GPN-6-8'	Quarter 4	1/13/95	1.0	011304	<0.2	<0.2	8.3	8	S
GPN-6-8'	Month 13	2/8/95	1.0	ns	ns	ns	ns	ns	
GPN-6-8'	Month 14	3/15/95	1.6	ns	ns	ns	ns	ns	
GPN-6-8'	Quarter 5	4/11/95	4.2	041109	<0.1	<0.2	3.7	4	S
GPN-6-8'	Month 16	5/19/95	2.1	ns	ns	ns	ns	ns	
GPN-6-8'	Month 17	6/9/95	1.2	ns	ns	ns	ns	ns	
GPN-6-8'	Quarter 6	7/21/95	1.5	072104	<0.1	<0.2	12.4	13	

TABLE B.2

SCREENING RESULTS - EAST BANK
WAUSAU WATER SUPPLY NPL SITE

Sample	Period	Date	HNu	Run	c12DCE (ug/L)	TCE (ug/L)	Perc (ug/L)	Total VOCs (ug/L)	Foot Notes
GPN-7-4'	PreStartUp	12/9/93	6.0	120907	<0.9	<1.9	19.1	19	
GPN-7-4'	Week 1	1/13/94	4.8	011311	<0.1	<0.2	<2.8	<3	
GPN-7-4'	Week 2	1/20/94	3.1	012019	<0.1	<0.2	<0.5	<1	S
GPN-7-4'	Week 3	1/27/94	1.8	012710	<0.1	<0.2	<0.5	<1	S
GPN-7-4'	Month 1	2/9/94	3.0	020913	<0.1	<0.2	<0.5	<1	S
GPN-7-4'	Month 2	3/10/94	4.8	031012	<0.1	<0.2	<0.5	<1	S
GPN-7-4'	Quarter 1	4/13/94	1.9	041308	<0.1	<0.2	2.4	2	S
GPN-7-4'	Month 4	5/12/94	9.6	ns	ns	ns	ns	ns	
GPN-7-4'	Month 5	6/9/94	1.3	ns	ns	ns	ns	ns	
GPN-7-4'	Quarter 2	8/11/94	1.0	081113	<0.4	<0.4	5.1	5	S
GPN-7-4'	Month 7	8/30/94	0.2	ns	ns	ns	ns	ns	
GPN-7-4'	Month 8	9/30/94	*0.2	ns	ns	ns	ns	ns	
GPN-7-4'	Quarter 3	10/19/94	*0.2	101912	<0.9	<1.0	1.9	2	S
GPN-7-4'	Month 10	11/23/94	0.5	ns	ns	ns	ns	ns	
GPN-7-4'	Month 11	12/13/94	0.3	ns	ns	ns	ns	ns	
GPN-7-4'	Quarter 4	1/12/95	0.3	011211	<1.5	<0.2	0.4	<1	S
GPN-7-4'	Month 13	2/8/95	0.3	ns	ns	ns	ns	ns	
GPN-7-4'	Month 14	3/15/95	3.4	ns	ns	ns	ns	ns	
GPN-7-4'	Quarter 5	4/10/95	0.4	041006	<0.1	<0.2	1.4	2	S
GPN-7-4'	Month 16	5/19/95	1.4	ns	ns	ns	ns	ns	
GPN-7-4'	Month 17	6/9/95	0.5	ns	ns	ns	ns	ns	
GPN-7-4'	Quarter 6	7/20/95	0.2	072003	<0.1	<0.2	<0.5	1	
GPN-7-8'	PreStartUp	12/9/93	6.8	120908	<0.9	<1.9	23.3	23	
GPN-7-8'	Week 1	1/13/94	0.6	011312	<0.1	<0.2	2.6	3	
GPN-7-8'	Week 2	1/20/94	0.5	012020	<0.1	<0.2	2.6	3	
GPN-7-8'	Week 3	1/27/94	0.3	012711	<0.1	<0.2	0.6	1	
GPN-7-8'	Month 1	2/9/94	0.6	020914	<0.1	<0.2	1.3	1	
GPN-7-8'	Month 2	3/10/94	0.9	031013	<0.1	<0.2	3.9	4	
GPN-7-8'	Quarter 1	4/13/94	0.6	041309	<0.1	<0.2	3.0	3	
GPN-7-8'	Month 4	5/12/94	2.8	ns	ns	ns	ns	ns	
GPN-7-8'	Month 5	6/9/94	0.9	ns	ns	ns	ns	ns	
GPN-7-8'	Quarter 2	8/11/94	1.1	081114	<0.4	<0.4	6.7	7	
GPN-7-8'	Month 7	8/30/94	0.5	ns	ns	ns	ns	ns	
GPN-7-8'	Month 8	9/30/94	*0.2	ns	ns	ns	ns	ns	
GPN-7-8'	Quarter 3	10/19/94	*0.2	101913	<0.9	<1.0	3.2	3	
GPN-7-8'	Month 10	11/23/94	0.5	ns	ns	ns	ns	ns	
GPN-7-8'	Month 11	12/13/94	0.3	ns	ns	ns	ns	ns	
GPN-7-8'	Quarter 4	1/12/95	0.4	011212	<0.2	<0.2	1.0	1	
GPN-7-8'	Month 13	2/8/95	0.3	ns	ns	ns	ns	ns	
GPN-7-8'	Month 14	3/15/95	2.4	ns	ns	ns	ns	ns	
GPN-7-8'	Quarter 5	4/10/95	0.4	041007	<0.1	<0.2	1.7	2	
GPN-7-8'	Month 16	5/19/95	1.4	ns	ns	ns	ns	ns	
GPN-7-8'	Month 17	6/9/95	0.5	ns	ns	ns	ns	ns	
GPN-7-8'	Quarter 6	7/20/95	0.5	072004	<0.1	<0.2	3.4	4	

TABLE B.2

SCREENING RESULTS - EAST BANK
WAUSAU WATER SUPPLY NPL SITE

Sample	*Period*	*Date*	*HNu*	*Run*	*c12DCE (ug/L)*	*TCE (ug/L)*	*Perc (ug/L)*	*Total VOCs (ug/L)*	*Foot Notes*
GPN-8-4'	PreStartUp	12/29/93	12.0	122907	<0.1	<0.2	73.7	74	
GPN-8-4'	Week 1	1/13/94	24.0	011318	<0.9	<1.9	27.5	28	S
GPN-8-4'	Week 2	1/21/94	11.8	012112	<0.1	<0.2	26.8	27	S
GPN-8-4'	Week 3	1/28/94	0.6	012809	<0.1	<0.2	<0.5	<1	S
GPN-8-4'	Month 1	2/9/94	0.5	020921	<0.1	<0.2	<0.5	<1	S
GPN-8-4'	Month 2	3/11/94	1.1	031103	<0.1	<0.2	0.5	1	S
GPN-8-4'	Quarter 1	4/13/94	2.4	041303	<0.1	<0.2	3.9	4	S
GPN-8-4'	Month 4	5/12/94	9.8	ns	ns	ns	ns	ns	
GPN-8-4'	Month 5	6/8/94	4.8	ns	ns	ns	ns	ns	
GPN-8-4'	Quarter 2	8/11/94	3.4	081118	<0.4	<0.4	21.2	21	S
GPN-8-4'	Month 7	8/30/94	2.4	ns	ns	ns	ns	ns	
GPN-8-4'	Month 8	9/30/94	*0.4	ns	ns	ns	ns	ns	
GPN-8-4'	Quarter 3	10/21/94	*1.6	102113	<0.9	<1.0	4.8	5	S
GPN-8-4'	Month 10	11/23/94	0.4	ns	ns	ns	ns	ns	
GPN-8-4'	Month 11	12/13/94	0.2	ns	ns	ns	ns	ns	
GPN-8-4'	Quarter 4	1/12/95	0.4	011215	<0.2	<0.2	0.7	1	S
GPN-8-4'	Month 13	2/8/95	0.2	ns	ns	ns	ns	ns	
GPN-8-4'	Month 14	3/15/95	0.3	ns	ns	ns	ns	ns	
GPN-8-4'	Quarter 5	4/10/95	0.6	041019	<0.1	<0.2	3.5	4	S
GPN-8-4'	Month 16	5/19/95	1.6	ns	ns	ns	ns	ns	
GPN-8-4'	Month 17	6/9/95	0.8	ns	ns	ns	ns	ns	
GPN-8-4'	Quarter 6	7/20/95	1.0	072017	<0.1	<0.2	5.1	7	
GPN-8-8'	PreStartUp	12/10/93	36.0	121008	<1.5	<2.5	237.0	237	
GPN-8-8'	Week 1	1/13/94	3.5	011320	<1.5	<0.2	10.8	11	S
GPN-8-8'	Week 2	1/21/94	2.0	012113	<0.1	<0.2	6.2	6	S
GPN-8-8'	Week 3	1/28/94	2.0	012810	<1.5	<0.2	6.0	6	S
GPN-8-8'	Month 1	2/9/94	1.2	020922	<0.1	<0.2	3.8	4	S
GPN-8-8'	Month 2	3/11/94	2.6	031104	<0.1	<0.2	<2.8	<3	S
GPN-8-8'	Quarter 1	4/13/94	1.7	041305	<0.1	<0.2	2.4	2	S
GPN-8-8'	Month 4	5/12/94	4.5	ns	ns	ns	ns	ns	
GPN-8-8'	Month 5	6/8/94	1.4	ns	ns	ns	ns	ns	
GPN-8-8'	Quarter 2	8/11/94	1.6	081119	<0.4	<0.4	10.7	11	S
GPN-8-8'	Month 7	8/30/94	0.5	ns	ns	ns	ns	ns	
GPN-8-8'	Month 8	9/30/94	*0.2	ns	ns	ns	ns	ns	
GPN-8-8'	Quarter 3	10/21/94	*1.2	102114	<0.9	<1.0	3.2	3	S
GPN-8-8'	Month 10	11/23/94	0.4	ns	ns	ns	ns	ns	
GPN-8-8'	Month 11	12/13/94	0.2	ns	ns	ns	ns	ns	
GPN-8-8'	Quarter 4	1/12/95	0.3	011216	<0.2	<0.2	0.7	1	S
GPN-8-8'	Month 13	2/8/95	0.2	ns	ns	ns	ns	ns	
GPN-8-8'	Month 14	3/15/95	0.2	ns	ns	ns	ns	ns	
GPN-8-8'	Quarter 5	4/10/95	0.4	041020	<0.1	<0.2	3.0	3	S
GPN-8-8'	Month 16	5/19/95	0.9	ns	ns	ns	ns	ns	
GPN-8-8'	Month 17	6/9/95	0.6	ns	ns	ns	ns	ns	
GPN-8-8'	Quarter 6	7/20/95	0.5	072018	<0.1	<0.2	3.2	4	

TABLE B.2

SCREENING RESULTS - EAST BANK
WAUSAU WATER SUPPLY NPL SITE

Sample	Period	Date	HNu	Run	c12DCE (ug/L)	TCE (ug/L)	Perc (ug/L)	Total VOCs (ug/L)	Foot Notes
GPN-9-4'	PreStartUp	12/29/93	0.2	122905	<0.1	<0.2	<0.5	<1	
GPN-9-4'	Week 1	1/12/94	10.9	011216	<0.1	<0.2	1.3	1	S
GPN-9-4'	Week 2	1/20/94	3.7	012008	<0.1	<0.2	<0.5	<1	S
GPN-9-4'	Week 3	1/26/94	0.4	012616	<0.1	<0.2	<0.5	<1	S
GPN-9-4'	Month 1	2/8/94	0.6	020822	<0.1	<0.2	<0.5	<1	S
GPN-9-4'	Month 2	3/10/94	2.6	031006	<0.1	<0.2	<0.5	<1	S
GPN-9-4'	Quarter 1	4/12/94	2.4	041208	<0.1	<0.2	<0.5	<1	S
GPN-9-4'	Month 4	5/12/94	8.0	ns	ns	ns	ns	ns	
GPN-9-4'	Month 5	6/8/94	2.4	ns	ns	ns	ns	ns	
GPN-9-4'	Quarter 2	8/11/94	0.5	081103	<0.4	<0.4	<0.5	<2	S
GPN-9-4'	Month 7	8/30/94	0.4	ns	ns	ns	ns	ns	
GPN-9-4'	Month 8	9/30/94	*0.2	ns	ns	ns	ns	ns	
GPN-9-4'	Quarter 3	10/21/94	*0.0	102106	<0.9	<1.0	<1.0	<3	S
GPN-9-4'	Month 10	11/23/94	0.3	ns	ns	ns	ns	ns	
GPN-9-4'	Month 11	12/13/94	0.2	ns	ns	ns	ns	ns	
GPN-9-4'	Quarter 4	1/11/95	0.3	011121	<0.2	<0.2	<0.5	<1	S
GPN-9-4'	Month 13	2/8/95	0.2	ns	ns	ns	ns	ns	
GPN-9-4'	Month 14	3/15/95	0.3	ns	ns	ns	ns	ns	
GPN-9-4'	Quarter 5	4/7/95	0.3	040717	<0.1	<0.2	1.3	2	S
GPN-9-4'	Month 16	5/19/95	0.9	ns	ns	ns	ns	ns	
GPN-9-4'	Month 17	6/9/95	0.6	ns	ns	ns	ns	ns	
GPN-9-4'	Quarter 6	7/19/95	0.2	071913	<0.1	<0.2	<0.5	<1	
GPN-9-8'	PreStartUp	12/10/93	ns	ns	ns	ns	ns	ns	
GPN-9-8'	Week 1	1/12/94	4.0	011217	<0.1	<0.2	<0.5	<1	S
GPN-9-8'	Week 2	1/20/94	1.3	012009	<0.1	<0.2	<0.5	<1	S
GPN-9-8'	Week 3	1/26/94	3.2	012617	<0.1	<0.2	<0.5	<1	S
GPN-9-8'	Month 1	2/8/94	1.1	020823	<0.1	<0.2	<0.5	<1	S
GPN-9-8'	Month 2	3/10/94	0.8	031008	<0.1	<0.2	<0.5	<1	S
GPN-9-8'	Quarter 1	4/12/94	0.7	041209	<0.1	<0.2	<0.5	<1	S
GPN-9-8'	Month 4	5/12/94	3.2	ns	ns	ns	ns	ns	
GPN-9-8'	Month 5	6/8/94	0.7	ns	ns	ns	ns	ns	
GPN-9-8'	Quarter 2	8/11/94	0.4	081104	<0.4	<0.4	<0.5	<2	S
GPN-9-8'	Month 7	8/30/94	0.2	ns	ns	ns	ns	ns	
GPN-9-8'	Month 8	9/30/94	*0.2	ns	ns	ns	ns	ns	
GPN-9-8'	Quarter 3	10/21/94	*0.0	102107	<0.9	<1.0	1.7	2	S
GPN-9-8'	Month 10	11/23/94	0.2	ns	ns	ns	ns	ns	
GPN-9-8'	Month 11	12/13/94	0.2	ns	ns	ns	ns	ns	
GPN-9-8'	Quarter 4	1/11/95	0.3	011122	<0.2	<0.2	<0.5	<1	S
GPN-9-8'	Month 13	2/8/95	0.2	ns	ns	ns	ns	ns	
GPN-9-8'	Month 14	3/15/95	0.3	ns	ns	ns	ns	ns	
GPN-9-8'	Quarter 5	4/7/95	0.2	040718	<0.1	<0.2	<0.5	<1	S
GPN-9-8'	Month 16	5/19/95	0.7	ns	ns	ns	ns	ns	
GPN-9-8'	Month 17	6/9/95	0.4	ns	ns	ns	ns	ns	
GPN-9-8'	Quarter 6	7/19/95	0.2	071914	<0.1	<0.2	<0.5	<1	

TABLE B.2

SCREENING RESULTS - EAST BANK
WAUSAU WATER SUPPLY NPL SITE

Sample	*Period*	*Date*	*HNu*	*Run*	*c12DCE (ug/L)*	*TCE (ug/L)*	*Perc (ug/L)*	*Total VOCs (ug/L)*	*Foot Notes*
GPN-10-4'	PreStartUp	12/29/93	4.0	122906	<0.9	<1.9	30.6	31	
GPN-10-4'	Week 1	1/13/94	4.9	011313	<0.9	<0.2	<2.8	<4	S
GPN-10-4'	Week 2	1/20/94	1.1	012017	<0.1	<0.2	<0.5	<1	S
GPN-10-4'	Week 3	1/26/94	2.7	012618	<0.1	<0.2	<0.5	<1	S
GPN-10-4'	Month 1	2/9/94	1.3	020910	<0.1	<0.2	<0.5	<1	S
GPN-10-4'	Month 2	3/10/94	1.2	031009	<0.1	<0.2	1.1	1	S
GPN-10-4'	Quarter 1	4/12/94	1.8	041220	<0.1	<0.2	6.4	6	S
GPN-10-4'	Month 4	5/12/94	2.8	ns	ns	ns	ns	ns	
GPN-10-4'	Month 5	6/8/94	0.5	ns	ns	ns	ns	ns	
GPN-10-4'	Quarter 2	8/11/94	0.8	081120	<0.9	<1.9	11.4	11	S
GPN-10-4'	Month 7	8/30/94	0.2	ns	ns	ns	ns	ns	
GPN-10-4'	Month 8	9/30/94	*0.2	ns	ns	ns	ns	ns	
GPN-10-4'	Quarter 3	10/20/94	*0.7	102013	<0.9	<1.0	3.1	3	S
GPN-10-4'	Month 10	11/29/94	0.1	ns	ns	ns	ns	ns	
GPN-10-4'	Month 11	12/13/94	0.2	ns	ns	ns	ns	ns	
GPN-10-4'	Quarter 4	1/12/95	0.3	011213	<0.2	<0.2	0.7	1	S
GPN-10-4'	Month 13	2/8/95	0.2	ns	ns	ns	ns	ns	
GPN-10-4'	Month 14	3/15/95	0.3	ns	ns	ns	ns	ns	
GPN-10-4'	Quarter 5	4/7/95	0.3	040719	<0.1	<0.2	1.9	2	S
GPN-10-4'	Month 16	5/19/95	1.5	ns	ns	ns	ns	ns	
GPN-10-4'	Month 17	6/9/95	0.4	ns	ns	ns	ns	ns	
GPN-10-4'	Quarter 6	7/19/95	0.5	071915	<0.1	<0.2	5.6	6	
GPN-10-8'	PreStartUp	12/29/93	4.0	122909	<0.9	<1.9	24.2	24	
GPN-10-8'	Week 1	1/13/94	5.6	011314	<0.1	<0.2	2.0	2	S
GPN-10-8'	Week 2	1/20/94	3.5	012018	<0.1	<0.2	<0.5	<1	S
GPN-10-8'	Week 3	1/26/94	7.4	012619	<0.1	<0.2	<0.5	<1	S
GPN-10-8'	Month 1	2/9/94	2.2	020911	<0.1	<0.2	<0.5	<1	S
GPN-10-8'	Month 2	3/10/94	2.9	031010	<0.1	<0.2	<0.5	<1	S
GPN-10-8'	Quarter 1	4/12/94	5.4	041221	<0.1	<0.2	2.3	2	S
GPN-10-8'	Month 4	5/12/94	12.0	ns	ns	ns	ns	ns	
GPN-10-8'	Month 5	6/8/94	4.5	ns	ns	ns	ns	ns	
GPN-10-8'	Quarter 2	8/11/94	1.7	081121	<0.4	<0.4	6.7	7	S
GPN-10-8'	Month 7	8/30/94	0.7	ns	ns	ns	ns	ns	
GPN-10-8'	Month 8	9/30/94	*0.2	ns	ns	ns	ns	ns	
GPN-10-8'	Quarter 3	10/20/94	*0.3	102014	<0.9	<1.0	1.7	2	S
GPN-10-8'	Month 10	11/29/94	0.1	ns	ns	ns	ns	ns	
GPN-10-8'	Month 11	12/13/94	0.2	ns	ns	ns	ns	ns	
GPN-10-8'	Quarter 4	1/12/95	0.2	011214	<0.2	<0.2	<0.5	<1	S
GPN-10-8'	Month 13	2/8/95	0.2	ns	ns	ns	ns	ns	
GPN-10-8'	Month 14	3/15/95	0.4	ns	ns	ns	ns	ns	
GPN-10-8'	Quarter 5	4/7/95	0.3	040720	<0.1	<0.2	1.3	2	S
GPN-10-8'	Month 16	5/19/95	1.1	ns	ns	ns	ns	ns	
GPN-10-8'	Month 17	6/9/95	0.4	ns	ns	ns	ns	ns	
GPN-10-8'	Quarter 6	7/19/95	0.3	071916	<0.1	<0.2	1.6	2	

TABLE B.2

SCREENING RESULTS - EAST BANK
WAUSAU WATER SUPPLY NPL SITE

Sample	Period	Date	HNu	Run	c12DCE (ug/L)	TCE (ug/L)	Perc (ug/L)	Total VOCs (ug/L)	Foot Notes
GPN-11-4'	PreStartUp	12/29/93	4.0	122910	<0.9	4.1	16.3	20	
GPN-11-4'	Week 1	1/13/94	8.3	011309	<0.1	1.2	<2.8	<4	
GPN-11-4'	Week 2	1/19/94	2.6	011924	<1.5	<1.9	1.4	<5	S
GPN-11-4'	Week 3	1/27/94	1.9	012717	<0.1	0.6	1.9	3	S
GPN-11-4'	Month 1	2/10/11	1.9	021016	<0.1	0.3	1.1	1	S
GPN-11-4'	Month 2	3/11/15	3.0	031105	<0.1	0.6	2.4	3	S
GPN-11-4'	Quarter 1	4/13/94	6.4	041313	<0.1	4.3	18.9	23	S
GPN-11-4'	Month 4	5/12/94	7.0	ns	ns	ns	ns	ns	
GPN-11-4'	Month 5	6/9/94	5.3	ns	ns	ns	ns	ns	
GPN-11-4'	Quarter 2	8/12/94	13.5	081203	<0.9	11.7	58.6	70	S
GPN-11-4'	Month 7	8/30/94	3.0	ns	ns	ns	ns	ns	
GPN-11-4'	Month 8	9/30/94	*0.4	ns	ns	ns	ns	ns	
GPN-11-4'	Quarter 3	10/20/94	*2.2	102017	<0.9	5.4	21.8	27	S
GPN-11-4'	Month 10	11/29/94	1.0	ns	ns	ns	ns	ns	
GPN-11-4'	Month 11	12/13/94	0.8	ns	ns	ns	ns	ns	
GPN-11-4'	Quarter 4	1/13/95	1.0	011306	<0.2	1.3	6.1	7	S
GPN-11-4'	Month 13	2/8/95	0.6	ns	ns	ns	ns	ns	
GPN-11-4'	Month 14	3/15/95	0.7	ns	ns	ns	ns	ns	
GPN-11-4'	Quarter 5	4/11/95	0.9	041112	<0.1	1.7	6.5	9	S
GPN-11-4'	Month 16	5/19/95	1.6	ns	ns	ns	ns	ns	
GPN-11-4'	Month 17	6/9/95	1.8	ns	ns	ns	ns	ns	
GPN-11-4'	Quarter 6	7/21/95	2.0	072107	<0.1	4.8	26.6	32	
GPN-11-8'	PreStartUp	12/29/93	3.2	122911	<0.9	2.0	21.9	24	
GPN-11-8'	Week 1	1/13/94	11.0	011310	<0.1	13.3	43.6	57	
GPN-11-8'	Week 2	1/19/94	2.4	011925	<0.1	3.6	15.9	20	
GPN-11-8'	Week 3	1/27/94	5.2	012718	<0.1	7.1	37.1	44	
GPN-11-8'	Month 1	2/10/11	2.7	021017	<0.1	4.4	20.7	25	
GPN-11-8'	Month 2	3/11/15	4.4	031106	<0.1	4.8	34.7	40	
GPN-11-8'	Quarter 1	4/13/94	3.6	041314	<0.1	5.0	25.2	30	
GPN-11-8'	Month 4	5/12/94	5.3	ns	ns	ns	ns	ns	
GPN-11-8'	Month 5	6/9/94	6.2	ns	ns	ns	ns	ns	
GPN-11-8'	Quarter 2	8/12/94	13.0	081204	<0.4	13.0	52.9	66	
GPN-11-8'	Month 7	8/30/94	5.0	ns	ns	ns	ns	ns	
GPN-11-8'	Month 8	9/30/94	*2.0	ns	ns	ns	ns	ns	
GPN-11-8'	Quarter 3	10/20/94	*2.6	102018	<0.9	7.2	26.5	34	
GPN-11-8'	Month 10	11/29/94	5.4	ns	ns	ns	ns	ns	
GPN-11-8'	Month 11	12/13/94	5.4	ns	ns	ns	ns	ns	
GPN-11-8'	Quarter 4	1/13/95	1.9	011307	<0.2	3.1	18.1	21	
GPN-11-8'	Month 13	2/8/95	2.8	ns	ns	ns	ns	ns	
GPN-11-8'	Month 14	3/15/95	1.9	ns	ns	ns	ns	ns	
GPN-11-8'	Quarter 5	4/11/95	0.7	041113	<0.1	2.7	9.4	13	
GPN-11-8'	Month 16	5/19/95	1.2	ns	ns	ns	ns	ns	
GPN-11-8'	Month 17	6/9/95	2.2	ns	ns	ns	ns	ns	
GPN-11-8'	Quarter 6	7/21/95	1.8	072108	<0.1	4.0	16.5	21	

TABLE B.2

SCREENING RESULTS - EAST BANK
WAUSAU WATER SUPPLY NPL SITE

Sample	Period	Date	HNu	Run	c12DCE (ug/L)	TCE (ug/L)	Perc (ug/L)	Total VOCs (ug/L)	Foot Notes
GPN-12-4'	PreStartUp	12/29/94	0.8	122912	<0.1	<0.2	3.1	3	
GPN-12-4'	Week 1	1/12/94	13.9	011220	<0.1	<0.2	1.9	2	S
GPN-12-4'	Week 2	1/20/94	1.5	012021	<0.1	<0.2	1.3	1	S
GPN-12-4'	Week 3	1/26/94	1.8	012606	<0.1	<0.2	1.4	1	S
GPN-12-4'	Month 1	2/9/94	1.2	020915	<0.1	<0.2	0.6	1	S
GPN-12-4'	Month 2	3/10/94	2.3	031016	<0.1	<0.2	<0.5	<1	S
GPN-12-4'	Quarter 1	4/12/94	1.6	041213	<0.1	<0.2	0.5	<1	S
GPN-12-4'	Month 4	5/12/94	6.1	ns	ns	ns	ns	ns	
GPN-12-4'	Month 5	6/8/94	1.7	ns	ns	ns	ns	ns	
GPN-12-4'	Quarter 2	8/11/94	0.7	081107	<0.4	<0.4	<0.5	<2	S
GPN-12-4'	Month 7	8/30/94	0.5	ns	ns	ns	ns	ns	
GPN-12-4'	Month 8	9/30/94	*0.6	ns	ns	ns	ns	ns	
GPN-12-4'	Quarter 3	10/21/94	*0.6	102108	<0.9	<1.0	<1.0	<3	S
GPN-12-4'	Month 10	11/29/94	0.4	ns	ns	ns	ns	ns	
GPN-12-4'	Month 11	12/13/94	0.2	ns	ns	ns	ns	ns	
GPN-12-4'	Quarter 4	1/12/95	0.2	011203	<0.2	<0.2	<0.5	<1	S
GPN-12-4'	Month 13	2/8/95	0.2	ns	ns	ns	ns	ns	
GPN-12-4'	Month 14	3/15/95	0.3	ns	ns	ns	ns	ns	
GPN-12-4'	Quarter 5	4/10/95	0.3	041008	<0.1	<0.2	<0.5	<1	S
GPN-12-4'	Month 16	5/19/95	0.8	ns	ns	ns	ns	ns	
GPN-12-4'	Month 17	6/9/95	0.4	ns	ns	ns	ns	ns	
GPN-12-4'	Quarter 6	7/20/95	0.0	072005	<0.1	<0.2	<0.5	<1	
GPN-12-8'	PreStartUp	12/29/93	2.8	122913	<0.9	<1.9	13.8	14	
GPN-12-8'	Week 1	1/12/94	35.0	011221	<0.9	<0.2	<2.8	<4	S
GPN-12-8'	Week 2	1/20/94	11.2	012023	<0.1	<0.2	<0.5	<1	S
GPN-12-8'	Week 3	1/27/94	4.9	012707	<0.1	<0.2	<0.5	<1	S
GPN-12-8'	Month 1	2/9/94	3.3	020916	<0.1	<0.2	<0.5	<1	S
GPN-12-8'	Month 2	3/10/94	2.5	031017	<0.1	<0.2	<0.5	<1	S
GPN-12-8'	Quarter 1	4/12/94	4.4	041214	<0.1	<0.2	<0.5	<1	S
GPN-12-8'	Month 4	5/12/94	10.0	ns	ns	ns	ns	ns	
GPN-12-8'	Month 5	6/8/94	5.2	ns	ns	ns	ns	.ns	
GPN-12-8'	Quarter 2	8/11/94	0.5	081108	<0.4	<0.4	<0.5	<1	S
GPN-12-8'	Month 7	8/30/94	0.8	ns	ns	ns	ns	ns	
GPN-12-8'	Month 8	9/30/94	*0.0	ns	ns	ns	ns	ns	
GPN-12-8'	Quarter 3	10/21/94	*0.7	102109	<0.9	<1.0	1.4	1	S
GPN-12-8'	Month 10	11/29/94	0.2	ns	ns	ns	ns	ns	
GPN-12-8'	Month 11	12/13/94	0.2	ns	ns	ns	ns	ns	
GPN-12-8'	Quarter 4	1/12/95	0.2	011204	<0.2	<0.2	<0.5	<1	S
GPN-12-8'	Month 13	2/8/95	0.2	ns	ns	ns	ns	ns	
GPN-12-8'	Month 14	3/15/95	0.3	ns	ns	ns	ns	ns	
GPN-12-8'	Quarter 5	4/10/95	0.2	041009	<0.1	<0.2	<0.5	<1	S
GPN-12-8'	Month 16	5/19/95	1.0	ns	ns	ns	ns	ns	
GPN-12-8'	Month 17	6/9/95	0.5	ns	ns	ns	ns	ns	
GPN-12-8'	Quarter 6	7/20/95	0.2	072006	<0.1	<0.2	<0.5	<1	

TABLE B.2

SCREENING RESULTS - EAST BANK
WAUSAU WATER SUPPLY NPL SITE

Sample	*Period*	*Date*	*HNu*	*Run*	*c12DCE (ug/L)*	*TCE (ug/L)*	*Perc (ug/L)*	*Total VOCs (ug/L)*	*Foot Notes*
GPN-13-4'	PreStartUp	12/29/93	4.6	122914	1.0	7.3	11.7	20	
GPN-13-4'	Week 1	1/13/94	32.0	011315	<0.9	<1.9	<3.6	<6	S
GPN-13-4'	Week 2	1/21/94	12.4	012103	<0.1	1.0	2.6	4	S
GPN-13-4'	Week 3	1/27/94	7.0	012713	<0.1	0.8	3.3	4	S
GPN-13-4'	Month 1	2/10/11	1.8	021009	<0.1	0.8	2.8	4	S
GPN-13-4'	Month 2	3/10/94	3.8	031023	<0.1	1.2	6.5	8	S
GPN-13-4'	Quarter 1	4/13/94	6.5	041306	0.2	2.9	10.1	13	S
GPN-13-4'	Month 4	5/12/94	11.6	ns	ns	ns	ns	ns	
GPN-13-4'	Month 5	6/9/94	6.6	ns	ns	ns	ns	ns	
GPN-13-4'	Quarter 2	8/11/94	4.2	081122	<0.9	4.5	20.1	25	S
GPN-13-4'	Month 7	8/30/94	1.2	ns	ns	ns	ns	ns	
GPN-13-4'	Month 8	9/30/94	ns	ns	ns	ns	ns	ns	
GPN-13-4'	Quarter 3	10/20/94	*1.2	102015	<0.9	1.9	6.5	8	S
GPN-13-4'	Month 10	11/29/94	0.3	ns	ns	ns	ns	ns	
GPN-13-4'	Month 11	12/13/94	0.3	ns	ns	ns	ns	ns	
GPN-13-4'	Quarter 4	1/12/95	0.5	011225	<0.2	<0.2	1.0	1	S
GPN-13-4'	Month 13	2/8/95	0.4	ns	ns	ns	ns	ns	
GPN-13-4'	Month 14	3/15/95	ns	ns	ns	ns	ns	ns	
GPN-13-4'	Quarter 5	4/10/95	0.5	041015	<0.1	<0.2	2.0	2	S
GPN-13-4'	Month 16	5/19/95	1.2	ns	ns	ns	ns	ns	
GPN-13-4'	Month 17	6/9/95	0.4	ns	ns	ns	ns	ns	
GPN-13-4'	Quarter 6	7/20/95	0.7	072013	<0.1	1.2	5.6	7	
GPN-13-8'	PreStartUp	12/29/93	12.0	122915/16	5.4	18.2	30.2	54	
GPN-13-8'	Week 1	1/13/94	10.2	011316	<0.9	<1.9	5.4	5	S
GPN-13-8'	Week 2	1/21/94	2.4	012104	<0.1	0.4	2.7	3	S
GPN-13-8'	Week 3	1/27/94	3.0	012714	<0.1	0.3	2.0	2	S
GPN-13-8'	Month 1	2/10/11	1.7	021010	<0.1	<0.2	0.7	1	S
GPN-13-8'	Month 2	3/10/94	5.1	031022	<0.1	0.4	4.0	4	S
GPN-13-8'	Quarter 1	4/13/94	3.8	041307	<0.1	1.0	5.9	7	S
GPN-13-8'	Month 4	5/12/94	7.3	ns	ns	ns	ns	ns	
GPN-13-8'	Month 5	6/9/94	4.0	ns	ns	ns	ns	ns	
GPN-13-8'	Quarter 2	8/11/94	2.6	081123	<0.9	1.9	16.4	18	S
GPN-13-8'	Month 7	8/30/94	2.0	ns	ns	ns	ns	ns	
GPN-13-8'	Month 8	9/30/94	ns	ns	ns	ns	ns	ns	
GPN-13-8'	Quarter 3	10/20/94	*1.2	102016	<0.9	1.2	15.5	17	S
GPN-13-8'	Month 10	11/29/94	0.5	ns	ns	ns	ns	ns	
GPN-13-8'	Month 11	12/13/94	0.6	ns	ns	ns	ns	ns	
GPN-13-8'	Quarter 4	1/12/95	0.6	011226	<0.2	<0.2	3.9	4	S
GPN-13-8'	Month 13	2/8/95	0.3	ns	ns	ns	ns	ns	
GPN-13-8'	Month 14	3/15/95	0.4	ns	ns	ns	ns	ns	
GPN-13-8'	Quarter 5	4/10/95	0.4	041016	<0.1	0.5	3.0	4	S
GPN-13-8'	Month 16	5/19/95	1.4	ns	ns	ns	ns	ns	
GPN-13-8'	Month 17	6/9/95	0.4	ns	ns	ns	ns	ns	
GPN-13-8'	Quarter 6	7/20/95	0.8	072014	<0.1	0.5	6.5	7	

TABLE B.2

SCREENING RESULTS - EAST BANK
WAUSAU WATER SUPPLY NPL SITE

Sample	Period	Date	HNu	Run	c12DCE (ug/L)	TCE (ug/L)	Perc (ug/L)	Total VOCs (ug/L)	Foot Notes
GPN-14-4'	PreStartUp	12/29/93	55.0	122917	11.5	20.4	434.0	466	
GPN-14-4'	Week 1	1/14/94	4.3	011408	<0.1	0.2	<3.6	<4	S
GPN-14-4'	Week 2	1/21/94	7.9	012107	<0.1	<0.2	1.5	2	S
GPN-14-4'	Week 3	1/27/94	3.7	012715	<0.1	<0.2	0.8	1	S
GPN-14-4'	Month 1	2/9/94	4.6	020919	<0.1	<0.2	0.7	1	S
GPN-14-4'	Month 2	3/11/15	7.1	031107	<0.1	0.2	3.5	4	S
GPN-14-4'	Quarter 1	4/13/94	14.5	041318	5.7	8.1	60.4	74	S
GPN-14-4'	Month 4	5/12/94	17.4	ns	ns	ns	ns	ns	
GPN-14-4'	Month 5	6/9/94	9.3	ns	ns	ns	ns	ns	
GPN-14-4'	Quarter 2	8/12/94	4.4	081213	3.3	6.8	71.9	82	S
GPN-14-4'	Month 7	8/30/94	0.4	ns	ns	ns	ns	ns	
GPN-14-4'	Month 8	9/30/94	*0.7	ns	ns	ns	ns	ns	
GPN-14-4'	Quarter 3	10/21/94	*3.2	102121	2.6	3.3	17.5	23	S
GPN-14-4'	Month 10	11/23/94	0.4	ns	ns	ns	ns	ns	
GPN-14-4'	Month 11	12/13/94	0.4	ns	ns	ns	ns	ns	
GPN-14-4'	Quarter 4	1/13/95	1.1	011308	<0.2	0.8	4.5	5	S
GPN-14-4'	Month 13	2/8/95	0.4	ns	ns	ns	ns	ns	
GPN-14-4'	Month 14	3/15/95	0.4	ns	ns	ns	ns	ns	
GPN-14-4'	Quarter 5	4/10/95	1.1	041017	<0.1	<0.2	5.6	6	S
GPN-14-4'	Month 16	5/19/95	1.8	ns	ns	ns	ns	ns	
GPN-14-4'	Month 17	6/9/95	1.2	ns	ns	ns	ns	ns	
GPN-14-4'	Quarter 6	7/20/95	2.0	072015	2.2	3.5	16.9	24	
GPN-14-8'	PreStartUp	12/29/93	53.0	122918	17.4	27.2	377.0	422	
GPN-14-8'	Week 1	1/14/94	1.3	011409/10	0.6	<0.2	<0.5	1	
GPN-14-8'	Week 2	1/21/94	2.8	012108	1.0	0.2	3.1	4	S
GPN-14-8'	Week 3	1/27/94	2.0	012716	1.3	0.3	3.8	5	S
GPN-14-8'	Month 1	2/9/94	2.4	020920	0.8	0.3	5.2	6	S
GPN-14-8'	Month 2	3/11/15	1.4	031108	<0.1	<0.2	0.8	1	S
GPN-14-8'	Quarter 1	4/13/94	25.0	041319	6.1	5.6	152.0	164	S
GPN-14-8'	Month 4	5/12/94	2.7	ns	ns	ns	ns	ns	
GPN-14-8'	Month 5	6/9/94	0.5	ns	ns	ns	ns	ns	
GPN-14-8'	Quarter 2	8/12/94	11.2	081215	4.3	4.6	>155.	>164.	S
GPN-14-8'	Month 7	8/30/94	0.3	ns	ns	ns	ns	ns	
GPN-14-8'	Month 8	9/30/94	*0.8	ns	ns	ns	ns	ns	
GPN-14-8'	Quarter 3	10/21/94	*5.8	102122	2.6	1.8	40.6	45	S
GPN-14-8'	Month 10	11/23/94	0.3	ns	ns	ns	ns	ns	
GPN-14-8'	Month 11	12/13/94	0.3	ns	ns	ns	ns	ns	
GPN-14-8'	Quarter 4	1/13/95	4.2	011309	1.9	0.6	23.7	26	S
GPN-14-8'	Month 13	2/8/95	0.4	ns	ns	ns	ns	ns	
GPN-14-8'	Month 14	3/15/95	0.3	ns	ns	ns	ns	ns	
GPN-14-8'	Quarter 5	4/10/95	2.8	041018	4.2	2.5	32.0	39	S
GPN-14-8'	Month 16	5/19/95	0.9	ns	ns	ns	ns	ns	
GPN-14-8'	Month 17	6/9/95	0.5	ns	ns	ns	ns	ns	
GPN-14-8'	Quarter 6	7/20/95	1.8	072016	0.8	0.5	17.1	19	

TABLE B.2

SCREENING RESULTS - EAST BANK
WAUSAU WATER SUPPLY NPL SITE

Sample	*Period*	*Date*	*HNu*	*Run*	*c12DCE (ug/L)*	*TCE (ug/L)*	*Perc (ug/L)*	*Total VOCs (ug/L)*	*Foot Notes*
GPN-15-4'	PreStartUp	12/29/93	230.0	122919	89.0	80.3	1,640.0	1,809	
GPN-15-4'	Week 1	1/14/94	1.3	011411	<0.1	<0.2	0.7	1	S
GPN-15-4'	Week 2	1/20/94	1.0	012013	<0.1	<0.2	0.7	1	S
GPN-15-4'	Week 3	1/27/94	1.2	012720	<0.1	<0.2	0.7	1	S
GPN-15-4'	Month 1	2/10/11	0.6	021003	<0.1	<0.2	<0.5	<1	S
GPN-15-4'	Month 2	3/10/94	1.4	031018	<0.1	<0.2	0.5	1	S
GPN-15-4'	Quarter 1	4/13/94	3.6	041321	1.1	0.7	11.9	14	S
GPN-15-4'	Month 4	5/12/94	1.6	ns	ns	ns	ns	ns	
GPN-15-4'	Month 5	6/9/94	0.6	ns	ns	ns	ns	ns	
GPN-15-4'	Quarter 2	8/12/94	0.0	081207	<0.9	<1.9	5.2	5	S
GPN-15-4'	Month 7	8/30/94	0.3	ns	ns	ns	ns	ns	
GPN-15-4'	Month 8	9/30/94	*0.4	ns	ns	ns	ns	ns	
GPN-15-4'	Quarter 3	10/20/94	*1.4	102019	0.9	<1.0	2.4	3	S
GPN-15-4'	Month 10	11/29/94	0.2	ns	ns	ns	ns	ns	
GPN-15-4'	Month 11	12/13/94	0.2	ns	ns	ns	ns	ns	
GPN-15-4'	Quarter 4	1/12/95	0.3	011222	0.2	<0.2	0.6	1	S
GPN-15-4'	Month 13	2/8/95	0.2	ns	ns	ns	ns	ns	
GPN-15-4'	Month 14	3/15/95	0.3	ns	ns	ns	ns	ns	
GPN-15-4'	Quarter 5	4/10/95	0.3	041012	<0.1	<0.2	1.3	2	S
GPN-15-4'	Month 16	5/19/95	1.0	ns	ns	ns	ns	ns	
GPN-15-4'	Month 17	6/9/95	0.6	ns	ns	ns	ns	ns	
GPN-15-4'	Quarter 6	7/20/95	0.4	072009	<0.1	<0.2	1.1	1	
GPN-15-8'	PreStartUp	12/29/93	350.0	122920	151.0	123.0	3,310.0	3,584	
GPN-15-8'	Week 1	1/14/94	2.5	011412	<0.1	<0.2	0.5	1	S
GPN-15-8'	Week 2	1/20/94	1.5	012014	<0.1	<0.2	1.2	1	S
GPN-15-8'	Week 3	1/26/94	2.6	012621	<0.1	<0.2	0.9	1	S
GPN-15-8'	Month 1	2/10/11	1.6	021004	<0.1	<0.2	0.5	1	S
GPN-15-8'	Month 2	3/10/94	1.2	031019	<0.1	<0.2	<0.5	<1	S
GPN-15-8'	Quarter 1	4/13/94	7.5	041322	6.4	2.9	46.4	56	S
GPN-15-8'	Month 4	5/12/94	2.4	ns	ns	ns	ns	ns	
GPN-15-8'	Month 5	6/9/94	1.6	ns	ns	ns	ns	ns	
GPN-15-8'	Quarter 2	8/12/94	1.4	081208	7.1	<1.9	22.0	29	S
GPN-15-8'	Month 7	8/30/94	0.6	ns	ns	ns	ns	ns	
GPN-15-8'	Month 8	9/30/94	*0.4	ns	ns	ns	ns	ns	
GPN-15-8'	Quarter 3	10/20/94	*2.4	102020	3.2	1.2	8.7	13	S
GPN-15-8'	Month 10	11/29/94	0.5	ns	ns	ns	ns	ns	
GPN-15-8'	Month 11	12/13/94	0.5	ns	ns	ns	ns	ns	
GPN-15-8'	Quarter 4	1/12/95	0.8	011223	1.8	0.2	4.0	6	S
GPN-15-8'	Month 13	2/8/95	0.5	ns	ns	ns	ns	ns	
GPN-15-8'	Month 14	3/15/95	0.3	ns	ns	ns	ns	ns	
GPN-15-8'	Quarter 5	4/10/95	0.8	041013	<0.1	0.7	3.5	5	S
GPN-15-8'	Month 16	5/19/95	1.1	ns	ns	ns	ns	ns	
GPN-15-8'	Month 17	6/9/95	0.8	ns	ns	ns	ns	ns	
GPN-15-8'	Quarter 6	7/20/95	1.1	072011	2.4	0.4	4.8	8	

TABLE B.2

SCREENING RESULTS - EAST BANK
WAUSAU WATER SUPPLY NPL SITE

Sample	Period	Date	HNu	Run	c12DCE (ug/L)	TCE (ug/L)	Perc (ug/L)	Total VOCs (ug/L)	Foot Notes
GPN-15-11'	PreStartUp	12/29/93	350.0	122921	170.0	133.0	3,320.0	3,623	
GPN-15-11'	Week 1	1/14/94	2.0	011413	<0.1	<0.2	0.8	1	S
GPN-15-11'	Week 2	1/20/94	2.6	012015	<0.1	<0.2	0.6	1	S
GPN-15-11'	Week 3	1/26/94	1.3	012622	<0.1	<0.2	0.7	1	S
GPN-15-11'	Month 1	2/10/11	1.4	021005	<0.1	<0.2	<0.5	<1	S
GPN-15-11'	Month 2	3/10/94	1.0	031021	<0.1	<0.2	<0.5	<1	S
GPN-15-11'	Quarter 1	4/13/94	8.5	041323	5.7	4.3	87.0	97	S
GPN-15-11'	Month 4	5/12/94	1.1	ns	ns	ns	ns	ns	
GPN-15-11'	Month 5	6/9/94	0.3	ns	ns	ns	ns	ns	
GPN-15-11'	Quarter 2	8/12/94	1.0	081209	4.3	1.5	22.1	28	S
GPN-15-11'	Month 7	8/30/94	0.2	ns	ns	ns	ns	ns	
GPN-15-11'	Month 8	9/30/94	*0.3	ns	ns	ns	ns	ns	
GPN-15-11'	Quarter 3	10/20/94	*2.0	102021	1.2	1.1	6.2	9	S
GPN-15-11'	Month 10	11/29/94	0.1	ns	ns	ns	ns	ns	
GPN-15-11'	Month 11	12/13/94	0.2	ns	ns	ns	ns	ns	
GPN-15-11'	Quarter 4	1/12/95	2.4	011224	0.4	<0.2	21.3	22	S
GPN-15-11'	Month 13	2/8/95	0.3	ns	ns	ns	ns	ns	
GPN-15-11'	Month 14	3/15/95	0.4	ns	ns	ns	ns	ns	
GPN-15-11'	Quarter 5	4/10/95	1.2	041014	<0.1	0.7	15.1	16	S
GPN-15-11'	Month 16	5/19/95	0.8	ns	ns	ns	ns	ns	
GPN-15-11'	Month 17	6/9/95	0.6	ns	ns	ns	ns	ns	
GPN-15-11'	Quarter 6	7/20/95	0.6	072012	0.4	<0.2	2.8	4	
GPN-16-4'	PreStartUp	12/30/93	730.0	123003	487.0	2,310.0	14,200.0	16,997	
GPN-16-4'	Week 1	1/14/94	3.5	011416	<0.9	0.4	22.9	23	S
GPN-16-4'	Week 2	1/21/94	3.8	012114	<0.1	0.3	16.9	17	S
GPN-16-4'	Week 3	1/28/94	2.2	012803	<0.1	0.2	12.5	13	S
GPN-16-4'	Month 1	2/10/11	2.0	021006	<0.1	<0.2	7.8	8	S
GPN-16-4'	Month 2	3/11/15	6.8	031109	<0.1	0.9	46.4	47	S
GPN-16-4'	Quarter 1	4/14/94	46.0	041405	22.5	52.8	524.0	599	S
GPN-16-4'	Month 4	5/12/94	7.3	ns	ns	ns	ns	ns	
GPN-16-4'	Month 5	6/9/94	2.4	ns	ns	ns	ns	ns	
GPN-16-4'	Quarter 2	8/12/94	42.0	081222	18.4	>50.6	>711.0	>780	S
GPN-16-4'	Month 7	8/30/94	1.0	ns	ns	ns	ns	ns	
GPN-16-4'	Month 8	9/30/94	*1.1	ns	ns	ns	ns	ns	
GPN-16-4'	Quarter 3	10/20/94	*6.2	102022	17.5	34.2	220.0	272	S
GPN-16-4'	Month 10	ns	ns	ns	ns	ns	ns	ns	
GPN-16-4'	Month 11	12/13/94	1.8	ns	ns	ns	ns	ns	
GPN-16-4'	Quarter 4	1/13/95	14.5	011312	9.0	19.0	104.0	131	S
GPN-16-4'	Month 13	2/8/95	0.4	ns	ns	ns	ns	ns	
GPN-16-4'	Month 14	3/15/95	1.3	ns	ns	ns	ns	ns	
GPN-16-4'	Quarter 5	4/11/95	12.1	041103	8.4	17.2	133.0	159	S
GPN-16-4'	Month 16	5/19/95	1.9	ns	ns	ns	ns	ns	
GPN-16-4'	Month 17	6/9/95	2.4	ns	ns	ns	ns	ns	
GPN-16-4'	Quarter 6	7/20/95	13.0	072019	9.5	22.4	142.0	174	

TABLE B.2

SCREENING RESULTS - EAST BANK
WAUSAU WATER SUPPLY NPL SITE

Sample	Period	Date	HNu	Run	c12DCE (ug/L)	TCE (ug/L)	Perc (ug/L)	Total VOCs (ug/L)	Foot Notes
GPN-16-8'	PreStartUp	12/30/93	720.0	123004	261.0	1,760.0	17,900.0	19,921	
GPN-16-8'	Week 1	1/14/94	1.2	011417	<0.1	<0.2	2.8	3	S
GPN-16-8'	Week 2	1/21/94	1.3	012115	<0.1	<0.2	3.6	4	S
GPN-16-8'	Week 3	1/28/94	1.3	012804	<0.1	<0.2	9.0	9	S
GPN-16-8'	Month 1	2/10/11	1.2	021007	<0.1	<0.2	2.2	2	S
GPN-16-8'	Month 2	3/11/15	1.4	031110	<0.1	<0.2	1.8	2	S
GPN-16-8'	Quarter 1	4/14/94	12.5	041406	<0.5	<1.0	190.0	190	S
GPN-16-8'	Month 4	5/12/94	2.9	ns	ns	ns	ns	ns	
GPN-16-8'	Month 5	6/9/94	1.4	ns	ns	ns	ns	ns	
GPN-16-8'	Quarter 2	8/12/94	42.0	081223	17.7	56.8	868.0	943	S
GPN-16-8'	Month 7	8/30/94	1.4	ns	ns	ns	ns	ns	
GPN-16-8'	Month 8	9/30/94	*1.0	ns	ns	ns	ns	ns	
GPN-16-8'	Quarter 3	10/20/94	*3.0	102024	<10.	<10.	55.0	55	S
GPN-16-8'	Month 10	ns	ns	ns	ns	ns	ns	ns	
GPN-16-8'	Month 11	12/13/94	1.1	ns	ns	ns	ns	ns	
GPN-16-8'	Quarter 4	1/13/95	2.2	011313	<0.2	<0.2	22.1	22	S
GPN-16-8'	Month 13	2/8/95	0.2	ns	ns	ns	ns	ns	
GPN-16-8'	Month 14	3/15/95	0.5	ns	ns	ns	ns	ns	
GPN-16-8'	Quarter 5	4/11/95	2.2	041104	<0.1	<0.2	20.4	21	S
GPN-16-8'	Month 16	5/19/95	102.0	ns	ns	ns	ns	ns	
GPN-16-8'	Month 17	6/9/95	1.6	ns	ns	ns	ns	ns	
GPN-16-8'	Quarter 6	7/20/95	0.7	072020	<0.1	<0.2	6.4	7	
GPN-16-11'	PreStartUp	12/30/93	790.0	123005	520.0	3,210.0	41,200.0	45,511	
GPN-16-11'	Week 1	1/14/94	1.8	011419	<0.1	<0.2	6.5	7	S
GPN-16-11'	Week 2	1/21/94	3.9	012116	<0.1	<0.2	6.2	6	S
GPN-16-11'	Week 3	1/27/94	2.4	012705	<0.1	<0.2	6.4	6	S
GPN-16-11'	Month 1	2/10/11	2.0	021008	<0.1	<0.2	4.0	4	S
GPN-16-11'	Month 2	3/11/15	1.8	031111	<0.1	<0.2	14.6	15	S
GPN-16-11'	Quarter 1	4/14/94	410.0	041407	10.1	308.0	15,800.0	16,301	S
GPN-16-11'	Month 4	5/12/94	128.0	ns	ns	ns	ns	ns	
GPN-16-11'	Month 5	6/9/94	122.0	ns	ns	ns	ns	ns	
GPN-16-11'	Quarter 2	8/12/94	192.0	081224	<10.	115.0	>5,200.0	>5,310	S
GPN-16-11'	Month 7	8/30/94	152.0	ns	ns	ns	ns	ns	
GPN-16-11'	Month 8	9/30/94	*120.0	ns	ns	ns	ns	ns	
GPN-16-11'	Quarter 3	10/21/94	*130.0	102103	<50.	251.0	>8,240.0	>8,490	S
GPN-16-11'	Month 10	ns	ns	ns	ns	ns	ns	ns	
GPN-16-11'	Month 11	12/13/94	>200.	ns	ns	ns	ns	ns	
GPN-16-11'	Quarter 4	1/13/95	340.0	011314	<25.0	222.0	18200.0	18422	S
GPN-16-11'	Month 13	2/8/95	120.0	ns	ns	ns	ns	ns	
GPN-16-11'	Month 14	3/15/95	ns	ns	ns	ns	ns	ns	
GPN-16-11'	Quarter 5	4/11/95	220.0	041106	<50.0	148.0	8780.0	8928	S
GPN-16-11'	Month 16	5/19/95	ns	ns	ns	ns	ns	ns	
GPN-16-11'	Month 17	6/9/95	98.0	ns	ns	ns	ns	ns	
GPN-16-11'	Quarter 6	7/20/95	145.0	072021	<12.5	81.1	9850.0	9926	

TABLE B.2

SCREENING RESULTS - EAST BANK
WAUSAU WATER SUPPLY NPL SITE

Sample	Period	Date	HNu	Run	c12DCE (ug/L)	TCE (ug/L)	Perc (ug/L)	Total VOCs (ug/L)	Foot Notes
GPN-17-4'	PreStartUp	12/30/93	650.0	123006	572.0	112.0	>18,300.0	>19,000	
GPN-17-4'	Week 1	1/14/94	480.0	011414	41.8	30.2	3,800.0	3,872	S
GPN-17-4'	Week 2	1/21/94	250.0	012118	21.9	15.7	2,690.0	2,728	S
GPN-17-4'	Week 3	1/27/94	146.0	012713	21.4	27.0	5,260.0	5,308	S
GPN-17-4'	Month 1	2/11/94	76.0	021104	6.8	7.7	1,810.0	1,825	S
GPN-17-4'	Month 2	3/11/15	11.0	031119	0.7	<0.2	133.0	134	S
GPN-17-4'	Quarter 1	4/13/94	600.0	041324	105.0	58.0	26,600.0	26,763	S
GPN-17-4'	Month 4	5/12/94	370.0	ns	ns	ns	ns	ns	
GPN-17-4'	Month 5	6/9/94	320.0	ns	ns	ns	ns	ns	
GPN-17-4'	Quarter 2	8/12/94	520.0	081225	74.6	84.9	>12,300.0	>12,400	S
GPN-17-4'	Month 7	8/30/94	280.0	ns	ns	ns	ns	ns	
GPN-17-4'	Month 8	9/30/94	*110.0	ns	ns	ns	ns	ns	
GPN-17-4'	Quarter 3	10/21/94	*180.0	102104	(120.0)	(135.0)	10,500.0	10,700	S
GPN-17-4'	Month 10	11/23/94	28.0	ns	ns	ns	ns	ns	
GPN-17-4'	Month 11	12/13/94	48.0	ns	ns	ns	ns	ns	
GPN-17-4'	Quarter 4	1/13/95	250.0	011315	<25.0	<25.0	6850.0	6888	S
GPN-17-4'	Month 13	2/8/95	6.5	ns	ns	ns	ns	ns	
GPN-17-4'	Month 14	3/15/95	1.4	ns	ns	ns	ns	ns	
GPN-17-4'	Quarter 5	4/11/95	225.0	041115	<50.0	<50.0	13,100.0	13,100	S
GPN-17-4'	Month 16	5/19/95	36.0	ns	ns	ns	ns	ns	
GPN-17-4'	Month 17	6/9/95	45.0	ns	ns	ns	ns	ns	
GPN-17-4'	Quarter 6	7/21/95	210.0	072110	<12.5	<25.0	10,480.0	10,480	
GPN-17-8'	PreStartUp	12/30/93	730.0	123007	51.4	136.0	23,100.0	23,287	
GPN-17-8'	Week 1	1/14/94	5.2	011415	<0.1	<1.9	3.2	3	S
GPN-17-8'	Week 2	1/21/94	3.8	012120	<0.1	<0.2	7.9	8	S
GPN-17-8'	Week 3	1/28/94	2.2	012815	<0.1	<0.2	6.8	7	S
GPN-17-8'	Month 1	2/11/94	1.4	021105	<0.1	<0.2	4.2	4	S
GPN-17-8'	Month 2	3/11/15	1.2	031118	<0.1	<0.2	<0.5	<1	S
GPN-17-8'	Quarter 1	4/13/94	300.0	041325	8.8	14.5	8,260.0	8,283	S
GPN-17-8'	Month 4	5/12/94	0.9	ns	ns	ns	ns	ns	
GPN-17-8'	Month 5	6/9/94	0.6	ns	ns	ns	ns	ns	
GPN-17-8'	Quarter 2	8/12/94	270.0	081226	(19.6)	(16.6)	>8,700.0	>8,700	S
GPN-17-8'	Month 7	8/30/94	0.3	ns	ns	ns	ns	ns	
GPN-17-8'	Month 8	9/30/94	*7.4	ns	ns	ns	ns	ns	
GPN-17-8'	Quarter 3	10/21/94	*135.0	102105	(71.6)	(82.3)	6,340.0	6,490	S
GPN-17-8'	Month 10	11/23/94	1.3	ns	ns	ns	ns	ns	
GPN-17-8'	Month 11	12/13/94	0.4	ns	ns	ns	ns	ns	
GPN-17-8'	Quarter 4	1/13/95	10.0	011316/17	3.4	2.2	4780.0	4786	S
GPN-17-8'	Month 13	2/8/95	0.4	ns	ns	ns	ns	ns	
GPN-17-8'	Month 14	3/15/95	0.4	ns	ns	ns	ns	ns	
GPN-17-8'	Quarter 5	4/11/95	140.0	041116	<25.0	<25.0	4,530.0	4,530	S
GPN-17-8'	Month 16	5/19/95	ns	ns	ns	ns	ns	ns	
GPN-17-8'	Month 17	6/9/95	0.6	ns	ns	ns	ns	ns	
GPN-17-8'	Quarter 6	7/21/95	200.0	072111	<12.5	<25.0	10,310.0	10,310	

TABLE B.2

SCREENING RESULTS - EAST BANK
WAUSAU WATER SUPPLY NPL SITE

Sample	Period	Date	HNu	Run	c12DCE (ug/L)	TCE (ug/L)	Perc (ug/L)	Total VOCs (ug/L)	Foot Notes
GPN-18-4'	PreStartUp	12/30/93	8.3	123009	<0.9	<1.9	53.5	54	
GPN-18-4'	Week 1	1/14/94	1.6	011403	<0.1	<0.2	10.2	10	
GPN-18-4'	Week 2	1/21/94	0.9	012109	<0.1	<0.2	6.8	7	
GPN-18-4'	Week 3	1/28/94	0.6	012811	<0.1	<0.2	6.6	7	
GPN-18-4'	Month 1	2/10/11	0.8	021014	<0.1	<0.2	4.7	5	
GPN-18-4'	Month 2	3/11/15	0.4	031113	<0.1	<0.2	2.0	2	
GPN-18-4'	Quarter 1	4/13/94	1.9	041311	<0.1	<0.2	17.5	18	
GPN-18-4'	Month 4	5/12/94	4.0	ns	ns	ns	ns	ns	
GPN-18-4'	Month 5	6/8/94	1.3	ns	ns	ns	ns	ns	
GPN-18-4'	Quarter 2	8/12/94	0.0	081210	<0.4	<0.4	27.7	28	
GPN-18-4'	Month 7	8/30/94	0.5	ns	ns	ns	ns	ns	
GPN-18-4'	Month 8	9/30/94	*0.2	ns	ns	ns	ns	ns	
GPN-18-4'	Quarter 3	10/21/94	*1.0	102119	<0.9	<1.0	8.1	8	
GPN-18-4'	Month 10	11/23/94	0.9	ns	ns	ns	ns	ns	
GPN-18-4'	Month 11	12/13/94	0.3	ns	ns	ns	ns	ns	
GPN-18-4'	Quarter 4	1/12/95	0.4	011210	<0.2	<0.2	1.3	1	
GPN-18-4'	Month 13	2/8/95	0.4	ns	ns	ns	ns	ns	
GPN-18-4'	Month 14	3/15/95	0.4	ns	ns	ns	ns	ns	
GPN-18-4'	Quarter 5	4/11/95	1.4	041110	<0.1	<0.2	4.5	5	
GPN-18-4'	Month 16	5/19/95	1.8	ns	ns	ns	ns	ns	
GPN-18-4'	Month 17	6/9/95	0.6	ns	ns	ns	ns	ns	
GPN-18-4'	Quarter 6	7/21/95	0.7	072105	<0.1	<0.2	12.9	13	
GPN-18-8'	PreStartUp	12/10/93	38.0	121007	<1.5	<2.5	191.0	191	
GPN-18-8'	PreStartUp	12/30/93	38.0	123010	<4.5	<9.5	427.0	427	
GPN-18-8'	Week 1	1/14/94	3.8	011404	<0.1	<0.2	20.3	20	
GPN-18-8'	Week 2	1/21/94	3.6	012110	<0.2	<0.2	33.3	33	
GPN-18-8'	Week 3	1/28/94	1.9	012812	<0.1	<0.2	18.9	19	
GPN-18-8'	Month 1	2/10/11	1.7	021015	<0.1	<0.2	9.3	9	
GPN-18-8'	Month 2	3/11/15	0.8	031114	<0.1	<0.2	<2.8	<3	
GPN-18-8'	Quarter 1	4/13/94	4.3	041312	<0.1	<0.2	55.8	56	
GPN-18-8'	Month 4	5/12/94	5.5	ns	ns	ns	ns	ns	
GPN-18-8'	Month 5	6/8/94	3.8	ns	ns	ns	ns	ns	
GPN-18-8'	Quarter 2	8/12/94	0.0	081212	<0.4	1.3	128.0	129	
GPN-18-8'	Month 7	8/30/94	2.3	ns	ns	ns	ns	ns	
GPN-18-8'	Month 8	9/30/94	*0.5	ns	ns	ns	ns	ns	
GPN-18-8'	Quarter 3	10/21/94	*2.6	102120	<0.9	<1.0	55.4	55	
GPN-18-8'	Month 10	11/23/94	3.4	ns	ns	ns	ns	ns	
GPN-18-8'	Month 11	12/13/94	1.0	ns	ns	ns	ns	ns	
GPN-18-8'	Quarter 4	1/13/95	1.4	011310	<0.4	<0.4	13.6	14	
GPN-18-8'	Month 13	2/8/95	1.0	ns	ns	ns	ns	ns	
GPN-18-8'	Month 14	3/15/95	0.4	ns	ns	ns	ns	ns	
GPN-18-8'	Quarter 5	4/11/95	1.4	041111	<0.1	<0.2	10.4	11	
GPN-18-8'	Month 16	5/19/95	2.4	ns	ns	ns	ns	ns	
GPN-18-8'	Month 17	6/9/95	0.6	ns	ns	ns	ns	ns	
GPN-18-8'	Quarter 6	7/21/95	1.8	072106	<0.1	<0.2	33.6	34	

TABLE B.2

SCREENING RESULTS - EAST BANK
WAUSAU WATER SUPPLY NPL SITE

Sample	Period	Date	HNu	Run	c12DCE (ug/L)	TCE (ug/L)	Perc (ug/L)	Total VOCs (ug/L)	Foot Notes
GPN-19-4'	PreStartUp	12/30/93	42.0	123011	4.7	5.4	306.0	316	
GPN-19-4'	Week 1	1/14/94	0.3	011406	<0.1	<0.2	<0.5	<1	
GPN-19-4'	Week 2	1/20/94	0.7	012010	<0.1	<0.2	<0.5	<1	
GPN-19-4'	Week 3	1/27/94	0.2	012704	<0.1	<0.2	<0.5	<1	
GPN-19-4'	Month 1	2/9/94	0.2	020905	<0.1	<0.2	<0.5	<1	
GPN-19-4'	Month 2	3/10/94	0.3	031004	<0.1	<0.2	<0.5	<1	
GPN-19-4'	Quarter 1	4/13/94	2.5	041316	0.4	0.7	21.6	23	
GPN-19-4'	Month 4	5/12/94	0.5	ns	ns	ns	ns	ns	
GPN-19-4'	Month 5	6/9/94	0.4	ns	ns	ns	ns	ns	
GPN-19-4'	Quarter 2	8/11/94	1.8	081124	<0.9	<1.9	13.0	13	
GPN-19-4'	Month 7	8/30/94	0.1	ns	ns	ns	ns	ns	
GPN-19-4'	Month 8	9/30/94	*0.4	ns	ns	ns	ns	ns	
GPN-19-4'	Quarter 3	10/21/94	*2.2	102116	<0.9	<1.0	8.1	8	
GPN-19-4'	Month 10	11/23/94	0.2	ns	ns	ns	ns	ns	
GPN-19-4'	Month 11	12/13/94	0.2	ns	ns	ns	ns	ns	
GPN-19-4'	Quarter 4	1/12/95	0.3	011220	<0.2	<0.2	0.3	<1	
GPN-19-4'	Month 13	2/8/95	0.3	ns	ns	ns	ns	ns	
GPN-19-4'	Month 14	3/15/95	0.3	ns	ns	ns	ns	ns	
GPN-19-4'	Quarter 5	4/10/95	0.7	041003	<0.1	<0.2	3.8	4	
GPN-19-4'	Month 16	5/19/95	0.8	ns	ns	ns	ns	ns	
GPN-19-4'	Month 17	6/9/95	0.5	ns	ns	ns	ns	ns	
GPN-19-4'	Quarter 6	7/19/95	1.1	071918	<0.1	0.7	14.0	15	
GPN-19-8'	PreStartUp	12/10/93	46.0	121009/11	5.2	5.8	225.0	236	
GPN-19-8'	Week 1	1/14/94	0.2	011407	<0.1	<0.2	<0.5	<1	
GPN-19-8'	Week 2	1/20/94	0.5	012011	<0.1	<0.2	1.1	1	
GPN-19-8'	Week 3	1/27/94	0.3	012705	<0.1	<0.2	<0.5	<1	
GPN-19-8'	Month 1	2/9/94	0.3	020906	<0.1	<0.2	<0.5	<1	
GPN-19-8'	Month 2	3/10/94	0.6	031005	<0.1	<0.2	1.3	1	
GPN-19-8'	Quarter 1	4/13/94	3.4	041317	0.5	1.4	31.1	33	
GPN-19-8'	Month 4	5/12/94	0.3	ns	ns	ns	ns	ns	
GPN-19-8'	Month 5	6/9/94	0.4	ns	ns	ns	ns	ns	
GPN-19-8'	Quarter 2	8/11/94	1.8	081125	<0.9	<1.9	9.4	9	
GPN-19-8'	Month 7	8/30/94	0.2	ns	ns	ns	ns	ns	
GPN-19-8'	Month 8	9/30/94	*0.2	ns	ns	ns	ns	ns	
GPN-19-8'	Quarter 3	10/21/94	*1.7	102117	<0.9	<1.0	4.6	5	
GPN-19-8'	Month 10	11/23/94	0.2	ns	ns	ns	ns	ns	
GPN-19-8'	Month 11	12/13/94	0.2	ns	ns	ns	ns	ns	
GPN-19-8'	Quarter 4	1/12/95	0.3	011221	<0.2	<0.2	0.4	<1	
GPN-19-8'	Month 13	2/8/95	0.2	ns	ns	ns	ns	ns	
GPN-19-8'	Month 14	3/15/95	0.3	ns	ns	ns	ns	ns	
GPN-19-8'	Quarter 5	4/10/95	0.5	041005	<0.1	<0.2	1.9	2	
GPN-19-8'	Month 16	5/19/95	0.8	ns	ns	ns	ns	ns	
GPN-19-8'	Month 17	6/9/95	0.3	ns	ns	ns	ns	ns	
GPN-19-8'	Quarter 6	7/19/95	0.2	071919	<0.1	<0.2	1.1	2	

TABLE B.2

SCREENING RESULTS - EAST BANK
WAUSAU WATER SUPPLY NPL SITE

Sample	*Period*	*Date*	*HNu*	*Run*	*c12DCE (ug/L)*	*TCE (ug/L)*	*Perc (ug/L)*	*Total VOCs (ug/L)*	*Foot Notes*
GP-14	PreStartUp	12/30/93	1.0	123012	<0.1	<0.2	6.3	6	
GP-14	Week 1	1/13/94	0.6	011303	<0.1	<0.2	2.0	2	S
GP-14	Week 2	1/20/94	0.5	012016	<0.1	<0.2	1.8	2	S
GP-14	Week 3	1/27/94	0.3	012708	<0.1	<0.2	1.4	1	S
GP-14	Month 1	2/9/94	0.5	020917	<0.1	<0.2	0.9	1	S
GP-14	Month 2	3/10/94	0.7	031014	<0.1	<0.2	0.7	1	S
GP-14	Quarter 1	4/12/94	1.0	041215	<0.1	<0.2	0.9	1	S
GP-14	Month 4	5/12/94	1.8	ns	ns	ns	ns	ns	
GP-14	Month 5	6/9/94	0.5	ns	ns	ns	ns	ns	
GP-14	Quarter 2	8/11/94	0.5	081109	<0.4	<0.4	0.9	1	S
GP-14	Month 7	8/30/94	0.2	ns	ns	ns	ns	ns	
GP-14	Month 8	9/30/94	*0.2	ns	ns	ns	ns	ns	
GP-14	Quarter 3	10/19/94	*0.0	101916	<0.9	<1.0	1.5	2	S
GP-14	Month 10	11/23/94	0.3	ns	ns	ns	ns	ns	
GP-14	Month 11	12/13/94	0.2	ns	ns	ns	ns	ns	
GP-14	Quarter 4	1/12/95	0.6	011209	<0.2	<0.2	0.7	1	S
GP-14	Month 13	2/8/95	0.2	ns	ns	ns	ns	ns	
GP-14	Month 14	3/15/95	0.5	ns	ns	ns	ns	ns	
GP-14	Quarter 5	4/10/95	0.2	041010	<0.1	<0.2	1.3	2	S
GP-14	Month 16	5/19/95	0.8	ns	ns	ns	ns	ns	
GP-14	Month 17	6/9/95	1.6	ns	ns	ns	ns	ns	
GP-14	Quarter 6	7/20/95	0.3	072007	<0.1	<0.2	0.3	1	
GP-15	PreStartUp	12/30/94	0.3	123013	<0.1	<0.2	4.9	5	
GP-15	Week 1	1/12/94	3.1	011218	<0.1	<0.2	<0.5	<1	S
GP-15	Week 2	1/20/94	0.5	012004	<0.1	<0.2	<0.5	<1	S
GP-15	Week 3	1/26/94	1.1	012612	<0.1	<0.2	<0.5	<1	S
GP-15	Month 1	2/9/94	0.6	020903	<0.1	<0.2	<0.5	<1	S
GP-15	Month 2	3/9/94	3.2	030917	<0.1	<0.2	<0.5	<1	S
GP-15	Quarter 1	4/12/94	0.8	041212	<0.1	<0.2	<0.5	<1	
GP-15	Month 4	5/12/94	2.0	ns	ns	ns	ns	ns	
GP-15	Month 5	6/9/94	1.1	ns	ns	ns	ns	ns	
GP-15	Quarter 2	8/11/94	0.5	081110	<0.4	<0.4	(0.4)	<1	S
GP-15	Month 7	8/30/94	0.1	ns	ns	ns	ns	ns	
GP-15	Month 8	9/30/94	*0.2	ns	ns	ns	ns	ns	
GP-15	Quarter 3	10/20/94	*0.8	102010	<0.9	<1.0	<1.0	<3	S
GP-15	Month 10	11/29/94	0.1	ns	ns	ns	ns	ns	
GP-15	Month 11	12/13/94	0.2	ns	ns	ns	ns	ns	
GP-15	Quarter 4	1/12/95	0.3	011205	<0.2	<0.2	<0.3	<1	S
GP-15	Month 13	2/8/95	0.2	ns	ns	ns	ns	ns	
GP-15	Month 14	3/15/95	0.7	ns	ns	ns	ns	ns	
GP-15	Quarter 5	4/7/95	0.3	040713	<0.1	<0.2	1.5	2	S
GP-15	Month 16	5/19/95	0.8	ns	ns	ns	ns	ns	
GP-15	Month 17	6/9/95	1.0	ns	ns	ns	ns	ns	
GP-15	Quarter 6	7/19/95	0.3	071908	<0.1	<0.2	<0.5	<1	

TABLE B.2

SCREENING RESULTS - EAST BANK
WAUSAU WATER SUPPLY NPL SITE

Sample	Period	Date	HNu	Run	c12DCE (ug/L)	TCE (ug/L)	Perc (ug/L)	Total VOCs (ug/L)	Foot Notes
GP-16	PreStartUp	12/30/93	12.2	123014	<0.9	<1.9	90.3	90	
GP-16	Week 1	1/13/94	9.1	011317	<0.9	<1.9	44.0	44	S
GP-16	Week 2	1/20/94	5.5	012025	0.2	0.3	45.7	46	S
GP-16	Week 3	1/27/94	4.2	012719	0.2	0.2	34.3	35	S
GP-16	Month 1	2/11/94	4.6	021106	0.1	0.2	37.1	37	S
GP-16	Month 2	3/11/15	3.2	031117	0.1	<0.2	8.8	9	S
GP-16	Quarter 1	4/13/94	6.2	041315	0.4	0.3	40.4	41	S
GP-16	Month 4	5/12/94	10.4	ns	ns	ns	ns	ns	
GP-16	Month 5	6/9/94	8.1	ns	ns	ns	ns	ns	
GP-16	Quarter 2	8/12/94	13.5	081205	<0.9	<1.9	141.0	141	S
GP-16	Month 7	8/30/94	5.6	ns	ns	ns	ns	ns	
GP-16	Month 8	9/30/94	*1.4	ns	ns	ns	ns	ns	
GP-16	Quarter 3	10/20/94	*4.5	102011	0.9	1.1	60.8	63	S
GP-16	Month 10	11/29/94	2.0	ns	ns	ns	ns	ns	
GP-16	Month 11	12/13/94	2.4	ns	ns	ns	ns	ns	
GP-16	Quarter 4	1/13/95	1.8	011311	0.3	<0.2	19.1	19	S
GP-16	Month 13	2/8/95	1.4	ns	ns	ns	ns	ns	
GP-16	Month 14	3/15/95	2.3	ns	ns	ns	ns	ns	
GP-16	Quarter 5	4/11/95	3.2	041114	<0.1	<0.2	28.0	28	S
GP-16	Month 16	5/19/95	3.3	ns	ns	ns	ns	ns	
GP-16	Month 17	6/9/95	3.4	ns	ns	ns	ns	ns	
GP-16	Quarter 6	7/21/95	4.8	072109	<0.1	<0.2	69.9	70	
GP-17	PreStartUp	12/30/93	50.0	123015	<0.9	<1.9	343.0	343	
GP-17	Week 1	1/13/94	1.3	011321	<0.1	<0.2	3.6	4	S
GP-17	Week 2	1/20/94	1.2	012024	<0.1	<0.2	2.0	2	S
GP-17	Week 3	1/27/94	0.4	012709	<0.1	<0.2	1.6	2	S
GP-17	Month 1	2/9/94	0.6	020918	<0.1	<0.2	0.9	1	S
GP-17	Month 2	3/10/94	1.8	031015	<0.1	<0.2	16.8	17	S
GP-17	Quarter 1	4/14/94	3.1	041404	<0.1	0.4	34.1	34	S
GP-17	Month 4	5/12/94	1.4	ns	ns	ns	ns	ns	
GP-17	Month 5	6/9/94	1.0	ns	ns	ns	ns	ns	
GP-17	Quarter 2	8/12/94	0.0	081206	<0.4	<0.4	20.9	21	S
GP-17	Month 7	8/30/94	0.2	ns	ns	ns	ns	ns	
GP-17	Month 8	9/30/94	*0.0	ns	ns	ns	ns	ns	
GP-17	Quarter 3	10/21/94	*1.5	102118	<0.9	<1.0	5.4	5	S
GP-17	Month 10	11/23/94	0.4	ns	ns	ns	ns	ns	
GP-17	Month 11	12/13/94	0.2	ns	ns	ns	ns	ns	
GP-17	Quarter 4	1/12/95	0.3	011218	<0.2	<0.2	1.4	1	S
GP-17	Month 13	2/8/95	0.3	ns	ns	ns	ns	ns	
GP-17	Month 14	3/15/95	0.9	ns	ns	ns	ns	ns	
GP-17	Quarter 5	4/10/95	0.3	041011	<0.1	<0.2	1.7	2	S
GP-17	Month 16	5/19/95	0.9	ns	ns	ns	ns	ns	
GP-17	Month 17	6/9/95	0.6	ns	ns	ns	ns	ns	
GP-17	Quarter 6	7/20/95	0.3	072008	<0.1	<0.2	3.0	3	

TABLE B.2

SCREENING RESULTS - EAST BANK
WAUSAU WATER SUPPLY NPL SITE

Sample	Period	Date	HNu	Run	c12DCE (ug/L)	TCE (ug/L)	Perc (ug/L)	Total VOCs (ug/L)	Foot Notes
GP-18	PreStartUp	12/30/93	2.8	123016	<0.1	<0.2	14.6	15	
GP-18	Week 1	1/13/94	0.3	011305	<0.1	<0.2	<0.5	<1	S
GP-18	Week 2	1/20/94	0.4	012005	<0.1	<0.2	<0.5	<1	S
GP-18	Week 3	1/26/94	0.4	012613	<0.1	<0.2	<0.5	<1	S
GP-18	Month 1	2/9/94	0.3	020904	<0.1	<0.2	<0.5	<1	S
GP-18	Month 2	3/9/94	0.8	030918	<0.1	<0.2	<0.5	<1	S
GP-18	Quarter 1	4/12/94	1.2	041216	<0.1	<0.2	2.3	2	S
GP-18	Month 4	5/12/94	1.2	ns	ns	ns	ns	ns	
GP-18	Month 5	6/9/94	0.6	ns	ns	ns	ns	ns	
GP-18	Quarter 2	8/11/94	0.8	081111	<0.4	<0.4	4.8	5	S
GP-18	Month 7	8/30/94	0.2	ns	ns	ns	ns	ns	
GP-18	Month 8	9/30/94	*0.4	ns	ns	ns	ns	ns	
GP-18	Quarter 3	10/21/94	*1.2	102110	<0.9	<1.0	1.8	2	S
GP-18	Month 10	11/23/94	1.0	ns	ns	ns	ns	ns	
GP-18	Month 11	12/13/94	0.3	ns	ns	ns	ns	ns	
GP-18	Quarter 4	1/12/95	0.3	011217	<0.2	<0.2	0.5	1	S
GP-18	Month 13	2/8/95	0.4	ns	ns	ns	ns	ns	
GP-18	Month 14	3/15/95	0.4	ns	ns	ns	ns	ns	
GP-18	Quarter 5	4/7/95	0.3	040714	<0.1	<0.2	1.7	2	S
GP-18	Month 16	5/19/95	0.8	ns	ns	ns	ns	ns	
GP-18	Month 17	6/9/95	0.6	ns	ns	ns	ns	ns	
GP-18	Quarter 6	7/19/95	0.3	071909	<0.1	<0.2	1.6	2	
GP-19	PreStartUp	12/30/93	7.2	123020	<0.1	<0.2	4.8	5	
GP-19	Week 1	1/13/94	15.4	011304	<0.9	<0.2	<2.8	<4	S
GP-19	Week 2	1/20/94	1.4	012006	<0.1	<0.2	<0.5	<1	S
GP-19	Week 3	1/26/94	1.4	012614	<0.1	<0.2	<0.5	<1	S
GP-19	Month 1	2/9/94	1.2	020908	<0.1	<0.2	<0.5	<1	S
GP-19	Month 2	3/9/94	1.1	030919	<0.1	0.3	2.0	2	S
GP-19	Month 2	3/10/94	1.2	031003	<0.1	1.3	5.3	7	S
GP-19	Quarter 1	4/12/94	4.6	041211	<0.1	<0.2	<0.5	<1	S
GP-19	Month 4	5/12/94	12.8	ns	ns	ns	ns	ns	
GP-19	Month 5	6/9/94	0.3	ns	ns	ns	ns	ns	
GP-19	Quarter 2	8/11/94	0.6	081112	<0.4	<0.4	0.5	1	S
GP-19	Month 7	8/30/94	0.2	ns	ns	ns	ns	ns	
GP-19	Month 8	9/30/94	*0.2	ns	ns	ns	ns	ns	
GP-19	Quarter 3	10/21/94	*6.6	102111	<0.9	<1.0	1.1	1	S
GP-19	Month 10	11/23/94	6.2	ns	ns	ns	ns	ns	
GP-19	Month 11	12/13/94	0.6	ns	ns	ns	ns	ns	
GP-19	Quarter 4	1/12/95	4.5	011207	<0.2	0.6	0.9	GRO present	S,G
GP-19	Month 13	2/8/95	1.2	ns	ns	ns	ns	ns	
GP-19	Month 14	3/15/95	28.0	ns	ns	ns	ns	ns	
GP-19	Quarter 5	4/7/95	0.5	040715	<0.1	<0.2	1.4	2	S
GP-19	Month 16	5/19/95	49.0	ns	ns	ns	ns	ns	
GP-19	Month 17	6/9/95	1.6	ns	ns	ns	ns	ns	
GP-19	Quarter 6	7/19/95	1.3	071911	<0.1	<0.2	<0.5	7	

TABLE B.2

SCREENING RESULTS - EAST BANK
WAUSAU WATER SUPPLY NPL SITE

Sample	Period	Date	HNu	Run	c12DCE (ug/L)	TCE (ug/L)	Perc (ug/L)	Total VOCs (ug/L)	Foot Notes
GP-20	PreStartUp	12/30/93	0.3	123018	<0.1	<0.2	2.9	3	
GP-20	Week 1	1/12/94	1.2	011219	<0.1	<0.2	<0.5	<1	S
GP-20	Week 2	1/20/94	0.4	012007	<0.1	<0.2	<0.5	<1	S
GP-20	Week 3	1/26/94	1.1	012615	<0.1	<0.2	<0.5	<1	S
GP-20	Month 1	2/9/94	0.6	020909	<0.1	<0.2	<0.5	<1	S
GP-20	Month 2	3/9/94	1.2	030920	<0.1	<0.2	<0.5	<1	S
GP-20	Quarter 1	4/12/94	1.2	041210	<0.1	<0.2	<0.5	<1	S
GP-20	Month 4	5/12/94	2.6	ns	ns	ns	ns	ns	
GP-20	Month 5	6/8/94	0.9	ns	ns	ns	ns	ns	
GP-20	Quarter 2	8/11/94	0.6	081115	<0.4	<1.9	>15.5	>15	S
GP-20	Month 7	8/30/94	0.2	ns	ns	ns	ns	ns	
GP-20	Month 8	9/30/94	*0.7	ns	ns	ns	ns	ns	
GP-20	Quarter 3	10/20/94	*0.8	102009	<0.9	<1.0	<1.0	<3	S
GP-20	Month 10	11/23/94	0.2	ns	ns	ns	ns	ns	
GP-20	Month 11	12/13/94	0.2	ns	ns	ns	ns	ns	
GP-20	Quarter 4	1/12/95	0.3	011206	<0.2	<0.2	<0.3	<1	S
GP-20	Month 13	2/8/95	0.4	ns	ns	ns	ns	ns	
GP-20	Month 14	3/15/95	0.5	ns	ns	ns	ns	ns	
GP-20	Quarter 5	4/7/95	0.3	040716	<0.1	<0.2	1.4	2	S
GP-20	Month 16	5/19/95	0.7	ns	ns	ns	ns	ns	
GP-20	Month 17	6/9/95	0.5	ns	ns	ns	ns	ns	
GP-20	Quarter 6	7/19/95	0.2	071912	<0.1	<0.2	<0.5	<1	

Notes:

The following compounds (with their respective detection limits) were included in the standard VOC calibration and were analyzed for: 11 DCE (0.2 ug/l), t12DCE (0.2 ug/l), 11DCA (2.4 ug/l), c12DCE (0.1 ug/l), 111TCA (3.0 ug/l), Benzene (0.2 ug/l), 12DCA (3.0 ug/l), TCE (0.2 ug/l), Toluene (0.2 ug/l), 112TCA (3.0 ug/l), Perc (0.5 ug/l), Chlorobenzene (0.4 ug/l), Ethylbenzene (0.4 ug/l), m&p Xylene (0.4 ug/l), o Xylene (0.5 ug/l), 1122TCA (3.0 ug/l), 13DCB (1.2 ug/l), 14DCB (1.2ug/l), 12DCB (1.2 ug/l)

Only those compounds detected are reported above.

Unknown peaks, if present, are foot noted as described below.

Although Acetone was not in the calibration mixture, the presence of Acetone (in sufficient quantity) would have shown up as a peak eluting at the same time as 11DCE and would have probably been reported as 11DCE.

FOOT NOTES:

S = Unidentified peaks present, believed to be associated with Silicon caulk used to seal the soil probe caps (after the pre-start up round of analysis). The magnitude of these peaks tended to diminish with time. By the fifth or sixth quarter, very little if any was observed.

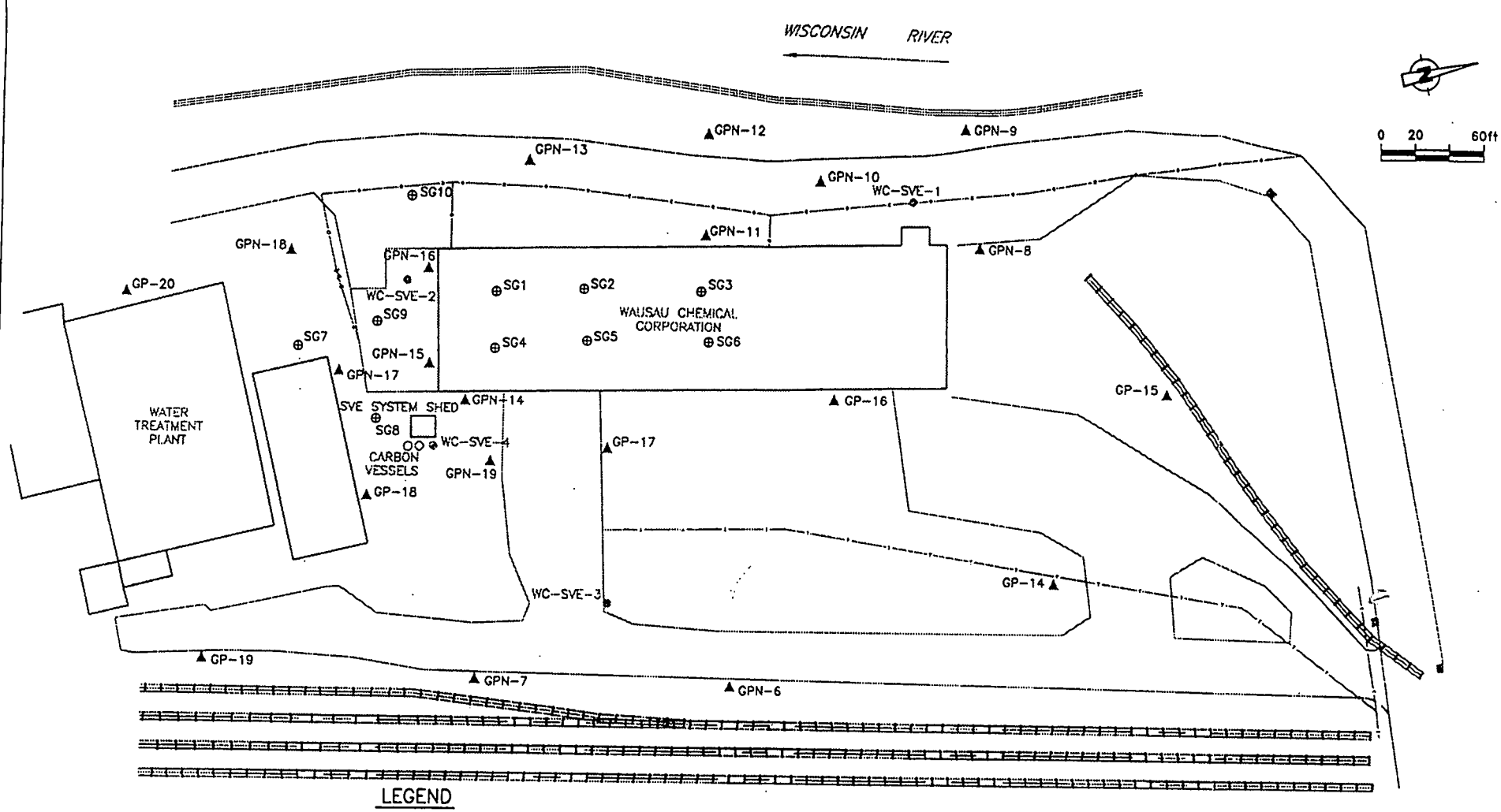
* HNu reading by 11.7 eV lamp. All others by 10.2 eV lamp.

TABLE B.3

WAUSAU WATER SUPPLY NPL SITE
SOIL GAS SURVEY CONDUCTED APRIL 6-7, 1995
EAST BANK

Probe	*HNu*	*Run*	*c12DCE (µg/L)*	*TCE (µg/L)*	*Perc (µg/L)*	*Total VOCs (µg/L)*
SG-1-4'	2.8	040604	<0.2	<0.2	9.5	16
SG-1-8'	8.1	040605	<1.0	2.2	88.9	100
SG-2-4'	14.0	040609	8.7	6.0	188.0	229
SG-2-8'	6.5	040610	6.3	3.4	80.4	103
SG-3-4'	1.0	040616	<0.2	0.6	6.5	8
SG-3-8'	2.6	040617	<0.2	3.5	17.3	24
SG-3-11'	5.0	040618	<0.2	9.8	45.6	59
SG-4-4'	13.0	040606	<1.0	8.5	164.5	174
SG-4-8'	40.0	011213	35.5	24.3	646.8	707
SG-4-11'	30.0	040608	<2.0	<2.0	457.6	458
SG-5-4'	75.0	040611	24.3	22.0	1,460.0	1,510
SG-5-7'	14.0	040612	<1.0	9.0	174.0	183
SG-6-4'	1.6	040613	<0.2	<0.2	11.9	12
SG-6-8'	12.0	040614	<1.0	23.5	126.5	150
SG-6-11'	6.2	040615	<0.4	11.1	61.8	74
SG-7-4'	0.9	040706	<0.2	0.7	2.3	4
SG-7-8'	0.7	040707	<0.2	0.6	1.9	3
SG-8-4'	16.0	040708	<1.0	<1.0	212.0	212
SG-8-8'	30.0	040709	<2.0	<2.0	439.0	439
SG-9-4'	0.9	040710	<0.2	0.5	3.5	4
SG-9-8'	16.0	040711	<1.0	<1.0	206.0	206
SG-9-11'	16.0	040712	<1.0	3.0	201.0	204
SG-10-4'	7.2	040703	1.5	14.6	41.6	58
SG-10-8'	1.2	040704	<0.2	1.1	4.6	6

Note:
HNu reading by 10.2 eV lamp.



LEGEND

- ● SOIL VAPOR EXTRACTION WELL LOCATION
- ▲ SOIL GAS PROBE LOCATION
- GPN NESTED PROBES (4',8') EXCEPT GPN-15 & GPN-16 (4',8',11')
- GP SINGLE PROBE (2'-12')
- ⊕ MULTIPLE DEPTH SOIL GAS SURVEY LOCATION (APRIL 6,7 1995)

figure 1

SOIL GAS SURVEY SAMPLE LOCATIONS
WAUSAU CHEMICAL CORPORATION
Wausau, Wisconsin

CRA

3978(L)-APRIL 28/95-REV.0 (B-01)(MN)

APPENDIX C

GROUNDWATER DATA

APPENDIX C

GROUNDWATER DATA
WAUSAU WATER SUPPLY NPL SITE

Location	Date		1,1,1-Trichloroethane ug/L	1,1,2,2-Tetrachloroethane ug/L	1,1,2-Trichloroethane ug/L	1,1,2-Trichlorotrifluoroethane ug/L	1,1-Dichloroethane ug/L	1,1-Dichloroethene ug/L	1,2-Dichloroethane ug/L	1,2-Dichloropropane ug/L	2-Hexanone ug/L	Acetone ug/L	Benzene ug/L	Bromodichloromethane ug/L	Bromoform ug/L	Bromomethane ug/L	Carbon disulfide ug/L
C2S	12/7/93		< 1		< 1	< 1	< 1	< 1				< 10 R	< 1				
C2S	10/18/94				< 1			< 1				< 10	< 1				
C4D	12/7/93		< 1		< 1	< 1	< 1	< 1				< 10 R	< 1				
C4D	4/11/94		< 1		< 1	< 1	< 1	< 1				< 10	< 1				
C4D	7/12/94		< 1		< 1	< 1	< 1	< 1				< 10	< 1				
C4D	10/19/94				< 1			< 1				< 10	< 1				
C4D	1/19/95				< 1			< 1				< 10	< 1				
C4D	4/12/95				< 1			< 1				< 10	0.2 J				
C4S	12/7/93		< 1		< 1	< 1	< 1	< 1					36 J	2				
C4S	10/19/94				< 1			< 1				< 10	2				
CW3	12/10/93		< 1		< 1	< 1	< 1	< 1				< 10 R	3				
CW3	10/21/94				< 1			< 1				< 10	0.7				
CW6	12/10/93		< 1		< 1	< 1	< 1	< 1				< 10 R	< 1				
CW6	10/21/94				< 1			< 1				< 10	< 1				
CWD	7/27/95				< 1			< 1 UJ				< 10	< 1				
E21	12/9/93		< 1		< 1	< 1	< 1	< 1				< 10 R	< 1				
E21	4/11/94		< 1		< 1	< 1	< 1	< 1				< 10	< 1				
E21	7/12/94		< 1		< 1	< 1	< 1	< 1				< 10	< 1				
E21	10/20/94				< 1			< 1				< 10	< 1				
E21	1/19/95				< 1			< 1				< 10	< 1				
E21	4/12/95				< 1			< 1				< 10	< 1				
E21	4/12/95	D			< 1			< 1				< 10	< 1				
E21	7/27/95				< 1			< 1 UJ				< 10	< 1				
E22A	12/8/93		< 1		< 1	< 1	< 1	< 1					48 J	< 1				
E22A	10/21/94				< 1			< 1				< 10	< 1				
E23A	12/3/93		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10		13 J	< 1	< 1	< 1	< 1	< 1	< 1
E23A	4/11/94		< 1		< 1	< 1	< 1	0.6 J					13	< 1				
E23A	4/11/94	D	< 1		< 1	< 1	< 1 UJ	0.6 J				< 10	< 1					
E23A	7/12/94		< 1		< 1	< 1	< 1	3				< 10	< 1					
E23A	10/18/94		< 1	< 1	< 1	< 1	< 1	1	< 1	< 1	< 10	< 10	< 1	< 1	< 1	< 1	< 1	< 1 U

APPENDIX C

GROUNDWATER DATA
WAUSAU WATER SUPPLY NPL SITE

Location	Date		Carbon tetrachloride ug/L	Chlorobenzene ug/L	Chloroethane ug/L	Chloroform ug/L	Chloromethane ug/L	cis-1,2-Dichloroethene ug/L	cis-1,3-Dichloropropene ug/L	Dibromochloromethane ug/L	Ethylbenzene ug/L	m/P-Xylene ug/L
C2S	12/7/93		< 1	< 1		< 1	< 1	< 1			< 1	< 1
C2S	10/18/94		< 1			< 1		2			< 1	< 1
C4D	12/7/93		< 1	< 1		< 1	< 1	< 1			< 1	< 1
C4D	4/11/94		< 1	< 1		< 1	< 1	< 1			< 1	< 1
C4D	7/12/94		< 1	< 1		< 1	< 1 UJ	< 1			< 1	< 1
C4D	10/19/94		< 1			< 1		0.3			< 1	< 1
C4D	1/19/95		< 1			< 1		0.3			< 1	< 1
C4D	4/12/95		< 1			< 1		0.3 J			< 1	0.4 J
C4S	12/7/93		< 1	< 1		< 1	< 1	< 1			< 1	< 1
C4S	10/19/94		< 1			< 1		< 1			< 1	< 1
CW3	12/10/93		< 1	< 1		1	< 1	5			< 1	< 1
CW3	10/21/94		< 1			< 1 U		5			< 1	< 1
CW6	12/10/93		< 1	< 1		< 1	< 1	< 1			< 1	< 1
CW6	10/21/94		< 1			< 1		0.3			< 1	< 1
CWD	7/27/95		< 1			< 1		< 1			< 1	< 1
E21	12/9/93		< 1	< 1		< 1	< 1	< 1			< 1	< 1
E21	4/11/94		< 1	< 1		< 1	< 1	< 1			< 1	< 1
E21	7/12/94		< 1	< 1		< 1	< 1 UJ	< 1			< 1	< 1
E21	10/20/94		< 1			< 1		< 1			< 1	< 1
E21	1/19/95		< 1			< 1		< 1			< 1	< 1
E21	4/12/95		< 1			< 1		< 1			< 1	< 1
E21	4/12/95	D	< 1			< 1		< 1			< 1	< 1
E21	7/27/95		< 1			< 1		< 1			< 1	< 1
E22A	12/8/93		< 1	< 1		< 1	< 1	6			< 1	< 1
E22A	10/21/94		< 1			< 1		29			< 1	< 1
E23A	12/3/93		< 1	< 1	< 1 R	< 1	< 1	6	< 1	< 1	< 1	< 1
E23A	4/11/94		< 1	< 1		< 1	< 1	9			< 1	< 1
E23A	4/11/94	D	< 1	< 1		< 1	< 1	9			< 1	< 1
E23A	7/12/94		< 1	< 1		< 1	< 1 UJ	22			< 1	< 1
E23A	10/18/94		< 1	< 1	< 2 R	< 1	< 1	11	< 1	< 1	< 1	< 1

GROUNDWATER DATA
WAUSAU WATER SUPPLY NPL SITE

Location	Date		Methylethylketone ug/L	Methylisobutylketone ug/L	Methylene chloride ug/L	o-Xylene ug/L	Styrene ug/L	Tetrachloroethene ug/L	Toluene ug/L	trans-1,2-Dichloroethene ug/L	trans-1,3-Dichloropropene ug/L	Trichloroethene ug/L	Vinyl chloride ug/L
C2S	12/7/93		< 10	< 10	< 2	< 1		< 1	< 1	< 1		25	< 1
C2S	10/18/94				< 2	< 1		0.3	< 1 U			49	< 1
C4D	12/7/93		< 10	< 10	< 2	< 1		< 1	< 1	< 1		< 1	< 1
C4D	4/11/94		< 10	< 10	< 2	< 1		< 1	< 1	< 1		< 1	< 1
C4D	7/12/94		< 10	< 10	< 2	< 1		< 1	< 1	< 1		0.6 J	< 1
C4D	10/19/94				< 2	< 1		< 1	< 1			1	< 1
C4D	1/19/95				< 2	< 1		< 1	< 1			0.6	< 1
C4D	4/12/95				< 2	0.4 J		0.3 J	0.4 J			0.8 J	< 1
C4S	12/7/93		< 10	< 10	< 2	< 1		< 1	< 1	< 1		< 1	6
C4S	10/19/94				< 2	< 1		< 1	< 1			0.4	4
CW3	12/10/93		< 10	< 10	< 2	< 1		11	< 1	< 1		18	0.5 J
CW3	10/21/94				< 2	< 1		7	< 1			17	0.6
CW6	12/10/93		< 10	< 10	< 2	< 1		< 1	< 1	< 1		53	< 1
CW6	10/21/94				< 2	< 1		< 1	< 1			49	< 1
CWD	7/27/95				< 2	< 1		< 1	< 1			0.7 J	< 1 UJ
E21	12/9/93		< 10	< 10	< 2	< 1		< 1	< 1	< 1		1	< 1
E21	4/11/94		< 10	< 10	< 2	< 1		< 1	< 1	< 1		0.9 J	< 1
E21	7/12/94		< 10	< 10	< 2	< 1		< 1	< 1	< 1		0.8 J	< 1
E21	10/20/94				< 2	< 1		< 1	< 1			0.6	< 1
E21	1/19/95				< 2	< 1		< 1	< 1			0.6	< 1
E21	4/12/95				< 2	< 1 UJ		< 1	< 1			0.5 J	< 1
E21	4/12/95	D			< 2	< 1 UJ		< 1	< 1			0.5 J	< 1
E21	7/27/95				< 2	< 1		< 1	< 1			0.6 J	< 1 UJ
E22A	12/8/93		< 10	< 10	< 2	< 1		36	< 1	< 1		4	< 1
E22A	10/21/94				< 2	< 1		170	< 1			21	3
E23A	12/3/93		< 10	< 10	< 2	< 1 UJ	< 1	48	< 1	< 1	< 1	4	< 1
E23A	4/11/94		< 10	< 10	< 2	< 1		77	< 1	< 1		5	5
E23A	4/11/94	D	< 10	< 10	< 6 U	< 1		81	< 1	< 1		5	5
E23A	7/12/94		< 10	< 10	< 2	< 1		140	< 1 U	0.8 J		10	41
E23A	10/18/94		< 10	< 10	6 J	< 1	< 1	90	< 1	0.4	< 1	7	13

APPENDIX C

GROUNDWATER DATA
WAUSAU WATER SUPPLY NPL SITE

Location	Date		1,1,1-Trichloroethane ug/L	1,1,2,2-Tetrachloroethane ug/L	1,1,2-Trichloroethane ug/L	1,1,2-Trichlorotrifluoroethane ug/L	1,1-Dichloroethane ug/L	1,1-Dichloroethene ug/L	1,2-Dichloroethane ug/L	1,2-Dichloropropane ug/L	2-Hexanone ug/L	Acetone ug/L	Benzene ug/L	Bromodichloromethane ug/L	Bromoform ug/L	Bromomethane ug/L	Carbon disulfide ug/L
E23A	1/19/95				< 1			0.7				6	< 1				
E23A	1/19/95	D			< 1			0.9				4	< 1				
E23A	4/12/95				< 1			0.6 J				< 10	< 1				
E23A	7/27/95				< 1			1 J				< 10	< 1				
E23A	7/27/95	D			< 1			1 J				< 10 U	< 1				
E24A	12/9/93		< 1		< 1	< 1	< 1	< 1				10 J	< 1				
E24A	10/21/94				< 1			< 1				< 10	< 1				
E30	12/8/93		< 1		< 1	< 1	< 1	< 1				< 10 R	< 1				
E30	12/8/93	D	< 1		< 1	< 1	< 1	< 1				< 10 R	< 1				
E30	10/21/94				< 1			< 1				< 10	< 1				
E37A	12/8/93		< 1		< 1	< 1	< 1	2				88 J	< 1				
E37A	10/20/94				< 1			1				< 10	< 1				
FVD5	12/8/93		< 50		< 50	< 50	< 50	< 50				< 500 R	240				
FVD5	10/20/94				< 100			< 100				< 1000	62				
GM15	12/6/93		< 1		< 1	< 1	< 1	< 1				< 10 R	< 1				
GM15	10/19/94				< 1			< 1				< 10	< 1				
GM6D	12/8/93		< 1		< 1	< 1	< 1	< 1				< 10 R	< 1				
GM6D	10/21/94				< 1			< 1				< 10	< 1				
IWD	4/11/94		< 1		< 1	< 1	< 1 UJ	< 1				< 10	< 1				
IWD	7/12/94		< 1		< 1	< 1	< 1	< 1				< 10	< 1				
IWD	10/20/94				< 1			< 1				< 10	< 1				
IWD	4/12/95				< 1			< 1				< 10	< 1				
IWD	4/12/95	D			< 1			< 1				< 10	< 1				
IWD	7/27/95				< 1			< 1 UJ				< 10	< 1				
MW10A	10/18/94				< 1			< 1				< 10	< 1				
MW10A	10/18/94	D			< 1			< 1				< 10	< 1				
MW10B	12/8/93		< 1		< 1	< 1	< 1	< 1				< 10 R	< 1				
MW10B	10/18/94				< 1			< 1				< 10	< 1				
MW4B	12/6/93		< 1		< 1	< 1	< 1	< 1				< 10 R	< 1				
MW4B	10/19/94				< 1			< 1				< 10	< 1				

GROUNDWATER DATA
WAUSAU WATER SUPPLY NPL SITE

Location	Date		Carbon tetrachloride ug/L	Chlorobenzene ug/L	Chloroethane ug/L	Chloroform ug/L	Chloromethane ug/L	cis-1,2-Dichloroethene ug/L	cis-1,3-Dichloropropene ug/L	Dibromochloromethane ug/L	Ethylbenzene ug/L	m/p-Xylene ug/L
E23A	1/19/95		< 1			< 1		15			< 1	< 1
E23A	1/19/95	D	< 1			< 1		19			< 1	< 1
E23A	4/12/95		< 1			< 1		15			< 1	< 1
E23A	7/27/95		< 1			< 1		30			< 1	< 1
E23A	7/27/95	D	< 1			< 1		35			< 1	< 1
E24A	12/9/93		< 1	< 1		< 1	< 1	< 1			< 1	< 1
E24A	10/21/94		< 1			< 1		0.5			< 1	< 1
E30	12/8/93		< 1	< 1		< 1	< 1	< 1			< 1	< 1
E30	12/8/93	D	< 1	< 1		< 1	< 1	< 1			< 1	< 1
E30	10/21/94		< 1			< 2 U		< 1			< 1	< 1
E37A	12/8/93		< 1	< 1		< 1	< 1	18			< 1	0.9 J
E37A	10/20/94		< 1			< 1		30			< 1	< 1
FVD5	12/8/93		< 50	< 50		< 50	< 50	< 50			300	800
FVD5	10/20/94		< 100			< 100		< 100			200	390
GM15	12/6/93		< 1	< 1		< 1	< 1	< 1			< 1	< 1
GM15	10/19/94		< 1			< 1		< 1			< 1	< 1
GM6D	12/8/93		< 1	< 1		< 1	< 1	3			< 1	< 1
GM6D	10/21/94		< 1			< 1 U		< 1			< 1	< 1
IWD	4/11/94		< 1	< 1		< 1	< 1	3			< 1	< 1
IWD	7/12/94		< 1	< 1		< 1	0.8 J	0.4 J			< 1	< 1
IWD	10/20/94		< 1			< 1		0.6			< 1	< 1
IWD	4/12/95		< 1			< 1		0.4 J			< 1	< 1
IWD	4/12/95	D	< 1			< 1		0.3 J			< 1	< 1
IWD	7/27/95		< 1			< 1		0.4 J			< 1	< 1
MW10A	10/18/94		< 1			0.5		< 1			< 1	< 1
MW10A	10/18/94	D	< 1			0.5		< 1			< 1	< 1
MW10B	12/8/93		< 1	< 1		< 1	< 1	< 1			< 1	< 1
MW10B	10/18/94		< 1			< 1		< 1			< 1	< 1
MW4B	12/6/93		< 1	< 1		< 1	< 1	< 1			< 1	< 1
MW4B	10/19/94		< 1			< 1		< 1			< 1	< 1

APPENDIX C

GROUNDWATER DATA
WAUSAU WATER SUPPLY NPL SITE

Location	Date		Methyl ethyl ketone ug/L	Methyl isobutyl ketone ug/L	Methylene chloride ug/L	o-Xylene ug/L	Styrene ug/L	Tetrachloroethene ug/L	Toluene ug/L	trans-1,2-Dichloroethene ug/L	trans-1,3-Dichloropropene ug/L	Trichloroethene ug/L	Vinyl chloride ug/L
E23A	1/19/95				< 2	< 1		25	< 1			4	13
E23A	1/19/95	D			< 2	< 1		30	< 1			4	17
E23A	4/12/95				< 2	< 1 UJ		24	< 1			4	8
E23A	7/27/95				< 2	< 1		23	< 1			7	11 J
E23A	7/27/95	D			< 2	< 1		26	< 1			8	12 J
E24A	12/9/93		< 10	< 10	< 2	< 1		5	< 1	< 1		0.7 J	< 1
E24A	10/21/94				< 3 U	0.3		8	< 1			0.8	0.7
E30	12/8/93		< 10	< 10	< 2	< 1		< 1	< 1	< 1		< 1	< 1
E30	12/8/93	D	< 10	< 10	< 2	< 1		< 1	< 1	< 1		< 1	< 1
E30	10/21/94				< 2	< 1		< 1	< 1			< 1	< 1
E37A	12/8/93		< 10	< 10	< 2	0.7 J		110	< 1	< 1		8	12
E37A	10/20/94				< 2	< 1		17	< 1			7	18
FVD5	12/8/93		< 500	< 500	< 100	470		< 50	340	< 50		< 50	< 50
FVD5	10/20/94				< 200	160		32	58			< 100	< 100
GM15	12/6/93		< 10	< 10 UJ	< 2	< 1		< 1	< 1	< 1		0.8 J	< 1
GM15	10/19/94				< 2 U	< 1		< 1	< 1			< 1	< 1
GM6D	12/8/93		< 10	< 10	< 2	< 1		18	< 1	< 1		3	< 1
GM6D	10/21/94				< 2	< 1		0.4	< 1			0.4	< 1
IWD	4/11/94		< 10	< 10	< 6 UJ	< 1		< 1	< 1	< 1		15	< 1
IWD	7/12/94		< 10	< 10	< 2	< 1		< 1	< 1	< 1		6	< 1
IWD	10/20/94				< 2	< 1		< 1	< 1			9	< 1
IWD	4/12/95				< 2	< 1 UJ		< 1	< 1			8	< 1
IWD	4/12/95	D			< 2	< 1 UJ		< 1	< 1			7	< 1
IWD	7/27/95				< 2	< 1		< 1	< 1			8	< 1 UJ
MW10A	10/18/94				< 2	< 1		2	< 1 U			0.7	< 1
MW10A	10/18/94	D			< 2	< 1		2	< 1			0.4	< 1
MW10B	12/8/93		< 10	< 10	< 2	< 1		5	< 1	< 1		1	< 1
MW10B	10/18/94				< 2	< 1		2	< 1			0.4	< 1
MW4B	12/6/93		< 10	< 10 UJ	< 2	< 1		< 1	< 1	< 1		< 1	< 1
MW4B	10/19/94				< 4 U	< 1		< 1	< 1			< 1	< 1

GROUNDWATER DATA
WAUSAU WATER SUPPLY NPL SITE

Location	Date		1,1,1-Trichloroethane ug/L	1,1,2,2-Tetrachloroethane ug/L	1,1,2-Trichloroethane ug/L	1,1,2-Trichlorotrifluoroethane ug/L	1,1-Dichloroethane ug/L	1,1-Dichloroethene ug/L	1,2-Dichloroethane ug/L	1,2-Dichloropropane ug/L	2-Hexanone ug/L	Acetone ug/L	Benzene ug/L	Bromodichloromethane ug/L	Bromoform ug/L	Bromomethane ug/L	Carbon disulfide ug/L
MW7	12/10/93		< 1		< 1	< 1	< 1	< 1				< 10 R	< 1				
MW7	10/19/94				< 1			< 1				< 10	< 1				
MW7	10/19/94	D			< 1			< 1				< 10	< 1				
R2D	12/6/93		< 1		2	< 1	< 1	1				< 10 R	< 1				
R2D	4/11/94		< 1		1	< 1	< 1	0.9 J				< 10	< 1				
R2D	7/12/94		< 1		1	< 1	< 1	0.8 J				< 10	< 1				
R2D	7/12/94	D	< 1		1	< 1	< 1	0.8 J				< 10	< 1				
R2D	10/18/94				1			0.8				< 10	< 1				
R2D	1/19/95				< 1 U			1				< 10 U	< 1				
R2D	4/12/95				2			1				< 10	< 1				
R2D	7/27/95				2			1 J				< 10	< 1				
R2S	12/6/93		< 1		< 1	< 1	< 1	< 1				< 10 R	< 1				
R2S	4/11/94		< 1		< 1	< 1	< 1	< 1				< 10	< 1				
R2S	4/11/94	D	< 1		< 1	< 1	< 1	< 1				< 10	< 1				
R2S	7/12/94		< 1		< 1	< 1	< 1	< 1				< 10	< 1				
R2S	10/18/94				< 1			< 1				< 10	< 1				
R2S	1/19/95				< 1			< 1				< 10	< 1				
R2S	4/12/95				< 1			< 1				< 10	< 1				
R2S	7/27/95				< 1			< 1 UJ				< 10	< 1				
R3D	12/7/93		< 1		< 1	< 1	< 1	< 1				< 10 R	< 1				
R3D	10/19/94				< 1			< 1				< 10	< 1				
R3S	12/7/93		< 1		< 1	< 1	< 1	< 1				11 J	< 1				
R3S	10/19/94				< 1			< 1				< 10	< 1				
R4D	12/3/93		< 1	< 1	< 1	< 1	< 1	0.5 J	< 1	< 1	< 10	< 10 R	< 1	< 1	< 1	< 1	< 1
R4D	4/11/94		< 1		< 1	< 1	< 1	< 1				< 10	< 1				
R4D	7/12/94		< 1		0.5 J	< 1	< 1	0.5 J				< 10	< 1				
R4D	10/18/94		< 1	< 1	0.6	< 1	< 1	0.7	< 1	< 1	< 10	< 10	< 1	< 1	< 1	< 1	< 1 U
R4D	1/19/95				< 1 U			0.8				< 10	< 1				
R4D	4/12/95				0.5 J			0.7 J				< 6 UJ	< 1				
R4D	7/27/95				0.6 J			1 J				< 10	< 1				

APPENDIX C

GROUNDWATER DATA
WAUSAU WATER SUPPLY NPL SITE

Location	Date	ug/L Carbon tetrachloride	ug/L Chlorobenzene	ug/L Chloroethane	ug/L Chloroform	ug/L Chloromethane	ug/L cis-1,2-Dichloroethene	ug/L cis-1,3-Dichloropropene	ug/L Dibromochloromethane	ug/L Ethylbenzene	ug/L m/p-Xylene
MW7	12/10/93	< 1	< 1		< 1	< 1	< 1			< 1	< 1
MW7	10/19/94	< 1			< 1		< 1			< 1	< 1
MW7	10/19/94 D	< 1			< 1		< 1			< 1	< 1
R2D	12/6/93	< 1	< 1		< 1	< 1	32			< 1	< 1
R2D	4/11/94	< 1	< 1		< 1	< 1	30			< 1	< 1
R2D	7/12/94	< 1	< 1		< 1	0.9 J	26			< 1	< 1
R2D	7/12/94 D	< 1	< 1		< 1	< 1 UJ	27			< 1	< 1
R2D	10/18/94	< 1			< 1		28			< 1	< 1
R2D	1/19/95	< 1			< 1		28			< 1	< 1
R2D	4/12/95	< 1			< 1		31			< 1	< 1
R2D	7/27/95	< 1			< 1		31			< 1	< 1
R2S	12/6/93	< 1	< 1		< 1	< 1	< 1			< 1	< 1
R2S	4/11/94	< 1	< 1		< 1	< 1	< 1			< 1	< 1
R2S	4/11/94 D	< 1	< 1		< 1	< 1	< 1			< 1	< 1
R2S	7/12/94	< 1	< 1		< 1	< 1 UJ	< 1			< 1	< 1
R2S	10/18/94	< 1			< 1		< 1			< 1	< 1
R2S	1/19/95	< 1			< 1		< 1			< 1	< 1
R2S	4/12/95	< 1			< 1		< 1			< 1	< 1
R2S	7/27/95	< 1			< 1		< 1			< 1	< 1
R3D	12/7/93	< 1	< 1		0.5 J	< 1	< 1			< 1	< 1
R3D	10/19/94	< 1			< 1		1			< 1	< 1
R3S	12/7/93	< 1	< 1		< 1	< 1	< 1			< 1	< 1
R3S	10/19/94	< 1			< 1		< 1			< 1	< 1
R4D	12/3/93	< 1	< 1	< 1 R	< 1	< 1	16	< 1	< 1	< 1	< 1
R4D	4/11/94	< 1	< 1		< 1	< 1	14			< 1	< 1
R4D	7/12/94	< 1	< 1		< 1	< 1 UJ	15			< 1	< 1
R4D	10/18/94	< 1	< 1	< 2 R	< 1	< 1	16	< 1	< 1	< 1	< 1
R4D	1/19/95	< 1 UJ			< 1		17			< 1	< 1
R4D	4/12/95	< 1			< 1		15			< 1	< 1
R4D	7/27/95	< 1			< 1		20			< 1	< 1

GROUNDWATER DATA
WAUSAU WATER SUPPLY NPL SITE

Location	Date		Methyl ethyl ketone ug/L	Methyl isobutyl ketone ug/L	Methylene chloride ug/L	o-Xylene ug/L	Styrene ug/L	Tetrachloroethene ug/L	Toluene ug/L	trans-1,2-Dichloroethene ug/L	trans-1,3-Dichloropropene ug/L	Trichloroethene ug/L	Vinyl chloride ug/L
MW7	12/10/93		< 10	< 10	< 2	< 1		< 1	< 1	< 1		< 1	< 1
MW7	10/19/94				< 3 U	< 1		< 1	< 1			< 1	< 1
MW7	10/19/94	D			< 3 U	< 1		< 1	< 1			< 1	< 1
R2D	12/6/93		< 10	< 10 UJ	< 2	< 1		0.8 J	< 1	0.8 J		3600	< 1
R2D	4/11/94		< 10	< 10	< 2	< 1		0.6 J	< 1	0.7 J		3300	< 1
R2D	7/12/94		< 10	< 10	4	< 1		0.5 J	< 1	0.9 J		1900	< 1
R2D	7/12/94	D	< 10	< 10	< 5 U	< 1		0.6 J	< 1	0.9 J		2000	< 1
R2D	10/18/94				< 2	< 1		0.6	< 1			2100	< 1
R2D	1/19/95				< 2	< 1		0.6	< 1			2400	< 1
R2D	4/12/95				< 2	< 1 UJ		0.6 J	< 1			2000	0.1 J
R2D	7/27/95				< 2	< 1		0.6 J	< 1			1900	0.2 J
R2S	12/6/93		< 10	< 10 UJ	< 2	< 1		< 1	< 1	< 1		< 1	< 1
R2S	4/11/94		< 10	< 10	< 2	< 1		< 1	< 1	< 1		< 1	< 1
R2S	4/11/94	D	< 10	< 10	< 2	< 1		< 1	< 1	< 1		< 1	< 1
R2S	7/12/94		< 10	< 10	< 3 U	< 1		< 1	< 1	< 1		< 1	< 1
R2S	10/18/94				< 2	< 1		< 1	< 1			< 1	< 1
R2S	1/19/95				< 2	< 1		< 1	< 1			< 1	< 1
R2S	4/12/95				< 2	< 1 UJ		< 1	< 1			< 1	< 1
R2S	7/27/95				< 2	< 1		< 1	< 1			< 1	< 1 UJ
R3D	12/7/93		< 10	< 10	< 2	< 1		< 1	< 1	< 1		4	< 1
R3D	10/19/94				< 2	< 1		< 1	< 1			10	< 1
R3S	12/7/93		< 10	< 10	< 2	< 1		< 1	< 1	< 1		< 1	< 1
R3S	10/19/94				< 2	0.3		< 1	< 1			< 1	< 1
R4D	12/3/93		< 10	< 10	< 2	< 1 UJ	< 1	< 1	< 1	0.6 J	< 1	1000	< 1
R4D	4/11/94		< 10	< 10	< 2	< 1		< 1	< 1	0.6 J		660	< 1
R4D	7/12/94		< 10	< 10	< 2	< 1		< 1	< 1	0.6 J		980	< 1
R4D	10/18/94		< 10	< 10	< 2 UJ	< 1	< 1	0.4	< 1	0.9	< 1	1000	< 1
R4D	1/19/95				< 2	< 1		0.4	< 1			1300 J	< 1
R4D	4/12/95				< 2	< 1 UJ		0.2 J	< 1			990	< 1
R4D	7/27/95				< 2	< 1		0.3 J	< 1			1100	< 1 UJ

APPENDIX C

GROUNDWATER DATA
WAUSAU WATER SUPPLY NPL SITE

Location	Date		1,1,1-Trichloroethane ug/L	1,1,2,2-Tetrachloroethane ug/L	1,1,2-Trichloroethane ug/L	1,1,2-Trichlorotrifluoroethane ug/L	1,1-Dichloroethane ug/L	1,1-Dichloroethene ug/L	1,2-Dichloroethane ug/L	1,2-Dichloropropane ug/L	2-Hexanone ug/L	Acetone ug/L	Benzene ug/L	Bromodichloromethane ug/L	Bromoform ug/L	Bromomethane ug/L	Carbon disulfide ug/L
W52	12/6/93		< 1		< 1	< 1	< 1	< 1				< 10 R	< 1				
W52	10/18/94				< 1			< 1				< 10	< 1				
W53	12/2/93		< 1	0.6 J	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 10 R	< 1	< 1	< 1	< 1	< 1
W53	4/11/94		< 1		< 1	< 1	< 1	< 1				< 10	< 1				
W53	7/12/94		< 1		< 1	< 1	< 1	< 1				< 10	< 1				
W53	7/12/94	D	< 1		< 1	< 1	< 1	< 1				< 10	< 1				
W53	10/18/94		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 10	< 1	< 1	< 1	< 1	< 1
W53	10/18/94	D	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 10	< 1	< 1	< 1	< 1	< 1 U
W53	1/19/95				< 1			< 1				< 10	< 1				
W53	4/12/95				< 1			< 1				< 10 U	< 1				
W53	7/27/95				< 1			< 1 UJ				< 10	< 1				
W53A	12/2/93		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 10 R	< 1	< 1	< 1	< 1	0.6 J
W53A	12/2/93	D	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 10 R	< 1	< 1	< 1	< 1	< 1
W53A	10/18/94		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 10	< 1	< 1	< 1	< 1	< 1
W54	12/2/93		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 10 R	< 1	< 1	< 1	< 1	< 1
W54	10/18/94		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 10	< 1	< 1	< 1	< 1	< 1 U
W55	12/3/93		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 10 R	< 1	< 1	< 1	< 1	< 1
W55	7/12/94		< 1		< 1	< 1	< 1	< 1				< 10	< 1				
W55	10/18/94		< 1	< 1	0.4	0.3	< 1	0.6	< 1	< 1	< 10	< 10	< 1	< 1	< 1	< 1	< 1 U
W55	1/19/95				< 1			< 1				< 13 U	< 1				
W55	4/12/95				< 1			< 1				< 10	< 1				
W55	7/27/95				< 1			0.3 J				< 10	< 1				
W55A	12/6/93		< 1		< 1	< 1	< 1	< 1				< 10 R	< 1				
W55A	4/11/94		< 1		< 1	< 1	< 1	< 1				< 10	< 1				
W55A	7/12/94		< 1		< 1	< 1	< 1	< 1				< 10	< 1				
W55A	10/18/94				< 1			< 1				< 10	< 1				
W55A	1/19/95				< 1 U			0.3				< 11 U	< 1				
W55A	4/12/95				< 1			< 1				< 10	< 1				
W55A	7/27/95				< 1			< 1 UJ				< 10	< 1				
W56	12/6/93		< 1		< 1	< 1	< 1	< 1				< 10 R	< 1				

GROUNDWATER DATA
WAUSAU WATER SUPPLY NPL SITE

Location	Date		Carbon tetrachloride ug/L	Chlorobenzene ug/L	Chloroethane ug/L	Chloroform ug/L	Chloromethane ug/L	cis-1,2-Dichloroethene ug/L	cis-1,3-Dichloropropene ug/L	Dibromochloromethane ug/L	Ethylbenzene ug/L	m/p-Xylene ug/L
W52	12/6/93		< 1	< 1		< 1	< 1	7			< 1	< 1
W52	10/18/94		< 1			< 1		0.7			< 1	< 1
W53	12/2/93		< 1	< 1	< 1 R	< 1	< 1	< 1	< 1	< 1	< 1	< 1
W53	4/11/94		< 1	< 1		< 1	< 1	2			< 1	< 1
W53	7/12/94		< 1	< 1		< 1	< 1 UJ	< 1			< 1	< 1
W53	7/12/94	D	< 1	< 1		< 1	< 1 UJ	< 1			< 1	< 1
W53	10/18/94		< 1	< 1	< 2 R	< 1	< 1	< 1	< 1	< 1	< 1	< 1
W53	10/18/94	D	< 1	< 1	< 2 R	< 1	< 1	< 1	< 1	< 1	< 1	< 1
W53	1/19/95		< 1			< 1		< 1			< 1	< 1
W53	4/12/95		< 1			< 1		< 1			< 1	0.3 J
W53	7/27/95		< 1			< 1		< 1			< 1	< 1
W53A	12/2/93		0.6 J	< 1	< 1 R	0.9 J	< 1	10	< 1	< 1	< 1	< 1
W53A	12/2/93	D	0.6 J	< 1	< 1 R	1	< 1	11	< 1	< 1	< 1	< 1
W53A	10/18/94		< 1	< 1	< 2 R	< 1	< 1	0.4	< 1	< 1	< 1	< 1
W54	12/2/93		< 1	< 1	< 1 R	< 1	< 1	< 1	< 1	< 1	< 1	< 1
W54	10/18/94		< 1	< 1	< 2 R	< 1	< 1	< 1	< 1	< 1	< 1	< 1
W55	12/3/93		< 1	< 1	< 1 R	< 1	< 1	12	< 1	< 1	< 1	< 1
W55	7/12/94		< 1	< 1		< 1	< 1 UJ	3			< 1	< 1
W55	10/18/94		< 1	< 1	< 2 R	< 1	< 1	7	< 1	< 1	0.3	0.3
W55	1/19/95		< 1			< 1		< 1			< 1	< 1
W55	4/12/95		< 1			< 1		2			< 1	< 1
W55	7/27/95		< 1			< 1		4			< 1	< 1
W55A	12/6/93		< 1	< 1		< 1	< 1	< 1			< 1	< 1
W55A	4/11/94		< 1	< 1		< 1	< 1	< 1			< 1	< 1
W55A	7/12/94		< 1	< 1		< 1	< 1 UJ	< 1			< 1	< 1
W55A	10/18/94		< 1			< 1		< 1			< 1	< 1
W55A	1/19/95		< 1			< 1		5			< 1	< 1
W55A	4/12/95		< 1			< 1		< 1			< 1	< 1
W55A	7/27/95		< 1			< 1		< 1			< 1	< 1
W56	12/6/93		< 1	< 1		< 1	< 1	2			< 1	< 1

APPENDIX C

GROUNDWATER DATA
WAUSAU WATER SUPPLY NPL SITE

Location	Date		Methyl ethyl ketone ug/L	Methyl isobutyl ketone ug/L	Methylene chloride ug/L	o-Xylene ug/L	Styrene ug/L	Tetrachloroethene ug/L	Toluene ug/L	trans-1,2-Dichloroethene ug/L	trans-1,3-Dichloropropene ug/L	Trichloroethene ug/L	Vinyl chloride ug/L
W52	12/6/93		< 10	< 10 UJ	5	< 1		< 1	< 1	< 1		27	< 1
W52	10/18/94				< 2	< 1		< 1	< 1			12	< 1
W53	12/2/93		< 10	< 10	< 2	< 1 UJ	< 1	< 1	< 1	< 1	< 1	2	< 1
W53	4/11/94		< 10	< 10	< 2	< 1		< 1	< 1	< 1		9	< 1
W53	7/12/94		< 10	< 10	< 2	< 1		< 1	< 1	< 1		3	< 1
W53	7/12/94	D	< 10	< 10	< 2	< 1		< 1	< 1	< 1		3	< 1
W53	10/18/94		< 10	< 10	< 2 UJ	< 1	< 1	< 1	< 1	< 1	< 1	3	< 1
W53	10/18/94	D	< 10	< 10	< 2 UJ	< 1	< 1	< 1	< 1	< 1	< 1	3	< 1
W53	1/19/95				< 2	< 1		< 1	< 1			5	< 1
W53	4/12/95				< 2	< 1 UJ		< 1	< 1			13	< 1
W53	7/27/95				< 2	< 1		< 1	< 1			5	< 1 UJ
W53A	12/2/93		< 10	< 10	< 2	< 1 UJ	< 1	< 1	< 1	< 1	< 1	28	< 1
W53A	12/2/93	D	< 10	< 10	< 2	< 1 UJ	< 1	< 1	< 1	< 1	< 1	31	< 1
W53A	10/18/94		< 10	< 10	< 2 UJ	< 1	< 1	< 1	< 1	< 1	< 1	3	< 1
W54	12/2/93		< 10	< 10	< 2	< 1 UJ	< 1	< 1	< 1	< 1	< 1	< 1	< 1
W54	10/18/94		< 10	< 10	< 2 UJ	0.3	< 1	< 1	< 1	< 1	< 1	0.4	< 1
W55	12/3/93		< 10	< 10	< 2	< 1 UJ	< 1	< 1	< 1	0.8 J	< 1	640	< 1
W55	7/12/94		< 10	< 10	< 3 U	< 1		< 1	< 1	< 1		140	< 1
W55	10/18/94		< 10	< 10	< 2 UJ	0.4	< 1	0.4	< 1	0.9	< 1	330	< 1
W55	1/19/95				< 2	< 1		< 1	< 1			< 1	< 1
W55	4/12/95				< 2	0.3 J		< 1	< 1			100	< 1
W55	7/27/95				< 2	< 1		< 1	< 1			170	< 1 UJ
W55A	12/6/93		< 10	< 10 UJ	< 2	< 1		< 1	< 1	< 1		< 1	< 1
W55A	4/11/94		< 10	< 10	< 2	< 1		< 1	< 1	< 1		< 1	< 1
W55A	7/12/94		< 10	< 10	< 5 U	< 1		< 1	< 1	< 1		< 1	< 1
W55A	10/18/94				< 2	< 1		0.3	< 1			< 1	< 1
W55A	1/19/95				< 2	< 1		< 1	< 1			250	< 1
W55A	4/12/95				< 2	< 1 UJ		< 1	< 1			1	< 1
W55A	7/27/95				< 2	< 1		< 1	< 1			< 1	< 1 UJ
W56	12/6/93		< 10	< 10 UJ	< 2	< 1		< 1	< 1	< 1		16	< 1

GROUNDWATER DATA
WAUSAU WATER SUPPLY NPL SITE

Location	Date		1,1,1-Trichloroethane ug/L	1,1,2,2-Tetrachloroethane ug/L	1,1,2-Trichloroethane ug/L	1,1,2-Trichlorotrifluoroethane ug/L	1,1-Dichloroethane ug/L	1,1-Dichloroethene ug/L	1,2-Dichloroethane ug/L	1,2-Dichloropropane ug/L	2-Hexanone ug/L	Acetone ug/L	Benzene ug/L	Bromodichloromethane ug/L	Bromoform ug/L	Bromomethane ug/L	Carbon disulfide ug/L
W56	12/6/93	D	< 1		< 1	< 1	< 1	< 1				< 10 R	< 1				
W56	10/19/94				< 1			< 1				< 10	< 1				
W56A	12/6/93		< 1		< 1	< 1	< 1	< 1				< 10 R	< 1				
W56A	10/19/94				< 1			< 1				< 10	< 1				
WC2	12/2/93		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 10 R	< 1	< 1	< 1	< 1	< 1
WC2	4/11/94		< 1		< 1	< 1	< 1	< 1				< 10	< 1				
WC2	7/12/94		< 1		< 1	< 1	< 1	< 1				< 10	< 1				
WC2	10/18/94		< 1	0.4	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 10	< 1	< 1	< 1	< 1	< 1 U
WC2	1/19/95				< 1			< 1				< 10	< 1				
WC2	4/12/95				< 1			< 1				< 10	< 1				
WC2	7/27/95				< 1			< 1 UJ				< 10	< 1				
WC3B	12/10/93		< 1		< 1	< 1	< 1	2				22 J	< 1				
WC3B	10/20/94				< 1			< 1				< 10 U	< 1				
WC4	12/9/93		< 1		< 1	< 1	< 1	< 1				< 10 R	< 1				
WC4	4/11/94		< 1		< 1	< 1	< 1	< 1				< 10	< 1				
WC4	7/12/94		< 1		< 1	< 1	< 1	< 1				< 10	< 1				
WC4	10/20/94				< 1			< 1				< 10	< 1				
WC4	1/19/95				< 1			< 1				< 10	< 1				
WC4	4/12/95				< 1			< 1				< 10	< 1				
WC4	7/27/95				< 1			< 1 UJ				< 10	< 1				
WC4A	12/9/93		< 1		< 1	< 1	< 1	< 1				6 J	< 1				
WC4A	10/20/94				< 1			< 1				12 J	< 1				
WC5	12/8/93		< 1		< 1	< 1	< 1	< 1				< 10	< 1				
WC5	10/20/94				< 1 UJ			< 1 UJ				< 10 R	< 1				
WC5A	10/20/94				< 1			0.6				< 10 UJ	< 1 UJ				
WC6	12/9/93		< 1		< 1	< 1	< 1	< 1				< 10	< 1				
WC6	10/20/94				< 1			< 1				24 J	< 1				
WC6	10/20/94	D			< 1			< 1				< 10	< 1				
WC6A	12/9/93		< 1		< 1	< 1	< 1	< 1				< 10	< 1				
WC6A	10/20/94				< 1			< 1				< 10 R	< 1				
												< 10	< 1				

APPENDIX C

GROUNDWATER DATA
WAUSAU WATER SUPPLY NPL SITE

Location	Date		Carbon tetrachloride ug/L	Chlorobenzene ug/L	Chloroethane ug/L	Chloroform ug/L	Chloromethane ug/L	cis-1,2-Dichloroethene ug/L	cis-1,3-Dichloropropene ug/L	Dibromochloromethane ug/L	Ethylbenzene ug/L	m/p-Xylene ug/L
W56	12/6/93	D	< 1	< 1		< 1	< 1	1			< 1	< 1
W56	10/19/94		< 1			< 1		1			< 1	< 1
W56A	12/6/93		< 1	< 1		< 1	< 1	< 1			< 1	< 1
W56A	10/19/94		< 1			< 1		< 1			< 1	< 1
WC2	12/2/93		< 1	< 1	< 1 R	< 1	< 1	1	< 1	< 1	< 1	< 1
WC2	4/11/94		< 1	< 1		< 1	< 1	2			< 1	< 1
WC2	7/12/94		< 1	< 1		< 1	< 1 UJ	5			< 1	< 1
WC2	10/18/94		< 1	< 1	< 2 R	< 1	< 1	3	< 1	< 1	< 1	< 1
WC2	1/19/95		< 1			< 1		0.5			< 1	< 1
WC2	4/12/95		< 1			< 1		0.8 J			< 1	< 1
WC2	7/27/95		< 1			< 1		0.7 J			< 1	< 1
WC3B	12/10/93		< 1	< 1		< 1	< 1	4			< 1	0.6 J
WC3B	10/20/94		< 1			< 1		< 1			< 1	0.3
WC4	12/9/93		< 1	< 1		< 1	< 1	< 1			< 1	< 1
WC4	4/11/94		< 1	< 1		< 1	< 1	< 1			< 1	< 1
WC4	7/12/94		< 1	< 1		< 1	< 1 UJ	< 1			< 1	< 1
WC4	10/20/94		< 1			< 1		< 1			< 1	< 1
WC4	1/19/95		< 1			< 1		< 1			< 1	< 1
WC4	4/12/95		< 1			< 1		< 1			< 1	< 1
WC4	7/27/95		< 1			< 1		< 1			< 1	< 1
WC4A	12/9/93		< 1	< 1		< 1	< 1	< 1			< 1	< 1
WC4A	10/20/94		< 1			< 1		< 1			< 1	< 1
WC5	12/8/93		< 1	< 1		< 1	< 1	< 1			< 1	< 1
WC5	10/20/94		< 1 UJ			0.4 J		< 1 UJ			< 1 UJ	< 1 UJ
WC5A	10/20/94		< 1			< 1		38			< 1	< 1
WC6	12/9/93		< 1	< 1		< 1	< 1	< 1			< 1	< 1
WC6	10/20/94		< 1			< 1		< 1			< 1	< 1
WC6	10/20/94	D	< 1			< 1		< 1			< 1	< 1
WC6A	12/9/93		< 1	< 1		< 1	< 1	< 1			< 1	< 1
WC6A	10/20/94		< 1			< 1		< 1			< 1	< 1

GROUNDWATER DATA
WAUSAU WATER SUPPLY NPL SITE

Location	Date		Methyl ethyl ketone ug/L	Methyl isobutyl ketone ug/L	Methylene chloride ug/L	o-Xylene ug/L	Styrene ug/L	Tetrachloroethene ug/L	Toluene ug/L	trans-1,2-Dichloroethene ug/L	trans-1,3-Dichloropropene ug/L	Trichloroethene ug/L	Vinyl chloride ug/L
W56	12/6/93	D	< 10	< 10 UJ	< 2	< 1		< 1	< 1	< 1		16	< 1
W56	10/19/94				< 2	< 1		< 1	< 1			16	< 1
W56A	12/6/93		< 10	< 10 UJ	< 2	< 1		< 1	< 1	< 1		0.7 J	< 1
W56A	10/19/94				< 2	< 1		< 1	< 1			< 1	< 1
WC2	12/2/93		< 10	< 10	< 2	< 1 UJ	< 1	22	< 1	< 1	< 1	1	2
WC2	4/11/94		< 10	< 10	< 2	< 1		38	< 1	< 1		4	1
WC2	7/12/94		< 10	< 10	< 2	< 1		74	< 1	< 1		4	4
WC2	10/18/94		< 10	< 10	< 2 UJ	0.3	0.3	95	< 1	< 1	< 1	3	2
WC2	1/19/95				< 2	< 1		9	< 1			0.9	0.8
WC2	4/12/95				< 2	< 1 UJ		9	< 1			1	2
WC2	7/27/95				< 2	< 1		10	< 1			2	1 J
WC3B	12/10/93		< 10	< 10	< 2	< 1		34	< 1	< 1		11	3
WC3B	10/20/94				< 2	< 1		< 1	< 1			< 1	< 1
WC4	12/9/93		< 10	< 10	< 2	< 1		< 1	< 1	< 1		< 1	< 1
WC4	4/11/94		< 10	< 10	< 2	< 1		< 1	0.5 J	< 1		< 1	< 1
WC4	7/12/94		< 10	< 10	< 2	< 1		< 1	< 1	< 1		< 1	< 1
WC4	10/20/94				< 2	< 1		< 1	< 1			< 1	< 1
WC4	1/19/95				< 2	< 1		< 1	< 1			< 1	< 1
WC4	4/12/95				< 2	< 1 UJ		< 1	< 1			< 1	< 1
WC4	7/27/95				< 2	< 1		< 1	< 1			0.6 J	< 1 UJ
WC4A	12/9/93		< 10	< 10	< 2	< 1		< 1	< 1	< 1		< 1	< 1
WC4A	10/20/94				< 2	< 1		< 1	< 1			< 1	< 1
WC5	12/8/93		< 10	< 10	< 2	< 1		< 1	< 1	< 1		1	< 1
WC5	10/20/94				< 2 UJ	< 1 UJ		< 1 UJ	0.6 J			< 1 UJ	< 1 UJ
WC5A	10/20/94				< 2	< 1		75	< 1			7	27
WC6	12/9/93		< 10	< 10	< 2	< 1		< 1	0.5 J	< 1		< 1	< 1
WC6	10/20/94				< 2	< 1		< 1	< 1			< 1	< 1
WC6	10/20/94	D			< 3 U	< 1		< 1	< 1			< 1	< 1
WC6A	12/9/93		< 10	< 10	< 2	< 1		6	< 1	< 1		< 1	< 1
WC6A	10/20/94				< 2	< 1		6	< 1			0.3	< 1

APPENDIX C

GROUNDWATER DATA
WAUSAU WATER SUPPLY NPL SITE

Location	Date		1,1,1-Trichloroethane ug/L	1,1,2,2-Tetrachloroethane ug/L	1,1,2-Trichloroethane ug/L	1,1,2-Trichlorotrifluoroethane ug/L	1,1-Dichloroethane ug/L	1,1-Dichloroethene ug/L	1,2-Dichloroethane ug/L	1,2-Dichloropropane ug/L	2-Hexanone ug/L	Acetone ug/L	Benzene ug/L	Bromodichloromethane ug/L	Bromoform ug/L	Bromomethane ug/L	Carbon disulfide ug/L
WSWD	12/7/93		< 1		< 1	< 1	< 1	< 1				< 10 R	< 1				
WSWD	10/20/94				< 1			< 1				< 10	< 1				
WW4	12/9/93		< 1		< 1	< 1	< 1	< 1				< 10 R	< 1				
WW4	12/9/93	D	< 1		< 1	< 1	< 1	< 1				< 10 R	< 1				
WW4	10/21/94				< 1			< 1				< 10	< 1				
WW5	12/8/93		< 1		< 1	< 1	< 1	< 1				37 J	< 1				
WW5	10/21/94				< 1 UJ			< 1 UJ				< 10 UJ	< 1 UJ				
WW5	10/21/94	D			< 1			< 1				< 10	< 1				

GROUNDWATER DATA
WAUSAU WATER SUPPLY NPL SITE

Location	Date		Carbon tetrachloride ug/L	Chlorobenzene ug/L	Chloroethane ug/L	Chloroform ug/L	Chloromethane ug/L	cis-1,2-Dichloroethene ug/L	cis-1,3-Dichloropropene ug/L	Dibromochloromethane ug/L	Ethylbenzene ug/L	m/p-Xylene ug/L
WSWD	12/7/93		2	< 1		2	< 1	< 1			< 1	< 1
WSWD	10/20/94		0.8			0.7		< 1			< 1	< 1
WW4	12/9/93		< 1	< 1		20	< 1	< 1			< 1	< 1
WW4	12/9/93	D	< 1	< 1		20	< 1	< 1			< 1	< 1
WW4	10/21/94		< 1			< 1		< 1			< 1	< 1
WW5	12/8/93		< 1	< 1		1	< 1	< 1			< 1	< 1
WW5	10/21/94		< 1 UJ			< 2 UJ		< 1 UJ			< 1 UJ	< 1 UJ
WW5	10/21/94	D	< 1			< 2 U		< 1			< 1	< 1

APPENDIX C

GROUNDWATER DATA
WAUSAU WATER SUPPLY NPL SITE

Location	Date		Methyl ethyl ketone ug/L	Methyl isobutyl ketone ug/L	Methylene chloride ug/L	o-Xylene ug/L	Styrene ug/L	Tetrachloroethene ug/L	Toluene ug/L	trans-1,2-Dichloroethene ug/L	trans-1,3-Dichloropropene ug/L	Trichloroethene ug/L	Vinyl chloride ug/L
WSWD	12/7/93		< 10	< 10	< 2	< 1		< 1	< 1	< 1		11	< 1
WSWD	10/20/94				< 2	< 1		< 1	< 1			5	< 1
WW4	12/9/93		< 10	< 10	< 2	< 1		< 1	< 1	< 1		< 1	< 1
WW4	12/9/93	D	< 10	< 10	< 2	< 1		< 1	< 1	< 1		< 1	< 1
WW4	10/21/94				< 2	< 1		< 1	< 1			< 1	< 1
WW5	12/8/93		< 10	< 10	< 2	< 1		0.5 J	< 1	< 1		< 1	< 1
WW5	10/21/94				< 3 UJ	< 1 UJ		0.8 J	< 1 UJ			0.3 J	< 1 UJ
WW5	10/21/94	D			< 2	< 1		0.7	< 1			0.3	< 1

APPENDIX D

WELL STATUS

APPENDIX D

WELL STATUS
WAUSAU WATER SUPPLY NPL SITE

Location	Top of Casing Elevation	Well Depth	Well Log Enclosed	State Well I.D. Number	Property Owner	Well Owner	Well Surveyed	On Monitoring Plan List	Well Missing	Located and Proposed for Abandonment
	(FT. AMSL)	(FT. BELOW TOC)								
ZONE 1										
CW4	1199.44	130.0						W		
WC2	1198.28	24.0					X	W, C		
WC3	1198.36	161.0					X	W		
WC3B	1198.15	24.0					X	W, C		
WC4	1196.82	60.0					X	W, C		
WC4A	1196.65	30.0					X	W, C		
WC5	1196.73	70.0					X	W, C		
WC5A	1196.75	30.0					X	W		
WC6	1198.23	70.0					X	W, C		
WC6A	1198.72	30.0					X	W, C		
WC7	1197.02	60.0					X	W		
WC7A	1196.85	30.0					X	W		
MW10A (1)	1210.77	76.5				WDNR	X	W, C		
MW10B (1)	1210.48	35.0				WDNR	X	W, C		
E24	1210.11	85.7	X				X	W		
E24A	1211.17	35.0	X				X	W, C		
WC3A	1198.01	65.0					X			X
WC3C	1198.64	29.0					X			X
MW9A	1196.89	141.0				WDNR	X			X
E25	1213.93	135.0	X						X	
E25A	1213.87	37.5	X						X	
MW8 (4)									X	

APPENDIX D

WELL STATUS
WAUSAU WATER SUPPLY NPL SITE

Location	Top of Casing Elevation	Well Depth	Well Log Enclosed	State Well I.D. Number	Property Owner	Well Owner	Well Surveyed	On Monitoring Plan List	Well Missing	Located and Proposed for Abandonment
	(FT. AMSL)	(FT. BELOW TOC)								
MW11	1210.15	35.0				WDNR			X	
MW13	1211.34	45.0				WDNR			X	
WCX1 - WCX15	(3)									
WC1	1197.22	23.0						Abandoned '94		
ZONE 1 TOTALS			4			5	18	16	5	3

APPENDIX D

WELL STATUS
WAUSAU WATER SUPPLY NPL SITE

Location	Top of Casing Elevation	Well Depth	Well Log Enclosed	State Well I.D. Number	Property Owner	Well Owner	Well Surveyed	On Monitoring Plan List	Well Missing	Located and Proposed for Abandonment
	(FT. AMSL)	(FT. BELOW TOC)								
ZONE 2										
CW3	1202.33	92.0						C		
WW4	1202.38	40.0					X	W		
WW5	1210.35	37.0					X	W, C		
WW6	1200.64	41.0					X	W		
GM6D	1198.70	126.0					X	W, C		
FVD5	1198.94	20.5					X	W, C		
TCT 5 (44)	1204.49	23.0					X	W		
E21	1197.66	129.5	X				X	W, C		
E21A	1198.00	22.0	X				X	W		
E22	1195.57	93.7	X				X	W		
E22A	1195.98	22.0	X				X	W		
E23A	1197.72	21.5	X				X	W, C		
E26	1199.11	95.0	X				X	W		
E26A	1199.22	23.0	X				X	W		
E28A	1211.73	37.0	X				X	W		
E30	1204.62	132.8	X				X	W, C		
E37A	1197.92	26.0	X				X	W, C		
IWS	1192.99	15.0	X				X	W		
IWM	1192.66	77.3	X				X	W		
IWD	1192.10	140.4	X				X	W, C		
W. HURD	1199.78	100.0					X	W		
FVD1	1199.71	22.0					X			X

APPENDIX D

WELL STATUS
WAUSAU WATER SUPPLY NPL SITE

Location	Top of Casing Elevation	Well Depth	Well Log Enclosed	State Well I.D. Number	Property Owner	Well Owner	Well Surveyed	On Monitoring Plan List	Well Missing	Located and Proposed for Abandonment
	(FT. AMSL)	(FT. BELOW TOC)								
FVD2	1199.28	20.0					X			X
FVD7	1196.49	18.5					X			
WW7	1200.85	48.0					X			X
WERGIN	1200.93	50.0					X			X
E20	1199.18	79.5	X						X	
E29A	1200.30	29.0	X						X	
E31	1201.15	135.5	X						X	
GM5D	1200.38	114.0							X	
GM7D	1198.77	123.0							X	
GM8D	1196.18	122.5							X	
GM9S	1198.94	20.0							X	
MW14	1198.21	45.0				WDNR			X	
MW7A	1201.28	69.5				WDNR	X			X
TCT 40	1204.55	72.1							X	
TCT 41	1203.54	22.1							X	
TCT 42	1201.66	54.0							X	
TCT 43	1203.23	23.8							X	
WW1	1198.61	40.0							X	
WW2	1203.26	40.0							X	
WW3	1201.90	40.0							X	
E27	1195.71	136.5	X						X	
ZONE 2 TOTAL			17			2	26	21	17	5

APPENDIX D

WELL STATUS
WAUSAU WATER SUPPLY NPL SITE

Location	Top of Casing Elevation	Well Depth	Well Log Enclosed	State Well I.D. Number	Property Owner	Well Owner	Well Surveyed	On Monitoring Plan List	Well Missing	Located and Proposed for Abandonment
	(FT. AMSL)	(FT. BELOW TOC)								
ZONE 3										
EW1	NA	143.5						W		
C2S	1219.12	37.9					X	C		
C3S	1220.44	38.9					X	W		
C4S	1216.83	32.2					X	C		
C4D	1216.23	104.2					X	C		
C6S	1221.71	39.5					X	W		
C7S	1220.98	36.0					X	W		
R1S	1222.11	40.5					X	W		
R1D	1222.36	121.0					X	W		
R3S	1215.30	32.0					X	W, C		
R3D	1215.53	136.0					X	W, C		
R4D	1218.97	133.0					X	W, C		
W50	1215.66	82.8	X				X	W		
W51A	1224.52	44.7	X				X	W		
W52	1219.17	124.0	X				X	W		
W52A	1219.06	36.0	X				X	W		
W53	1216.80	125.5	X				X	W, C		
W53A	1217.02	41.3	X				X	W, C		
W54	1216.31	65.5	X				X	W, C		
WSWS	1192.83	18.6	X				X	W		
WSWD	1192.98	152.4	X				X	W, C		
MW1	1221.92	39.6					X	Abandoned 1/95		

APPENDIX D

WELL STATUS
WAUSAU WATER SUPPLY NPL SITE

Location	Top of Casing Elevation	Well Depth	Well Log Enclosed	State Well I.D. Number	Property Owner	Well Owner	Well Surveyed	On Monitoring Plan List	Well Missing	Located and Proposed for Abandonment
	(FT. AMSL)	(FT. BELOW TOC)								
MW2	1220.26	40.9					X	Abandoned 1/95		
MW3	1218.84	41.4					X	Abandoned 1/95		
MW4	1221.50	40.0					X	Abandoned 1/95		
C1S	1223.73	29.9					X			X
ME1	1220.36	NA					X			X
S.G. #1	NA	NA								
ZONE 3 TOTAL			9				25	21	0	2

APPENDIX D

WELL STATUS
WAUSAU WATER SUPPLY NPL SITE

Location	Top of Casing Elevation	Well Depth	Well Log Enclosed	State Well I.D. Number	Property Owner	Well Owner	Well Surveyed	On Monitoring Plan List	Well Missing	Located and Proposed for Abandonment
	(FT. AMSL)	(FT. BELOW TOC)								
ZONE 4										
CW6	1220.50	100.0						W, C		
CW7	1223.93	100.0						W		
CW9 OBS	1224.29	78.0					X	W		
CW10	1224.40	NA						W		
MW1A	1215.83	130.0				WDNR	X	W		
MW3A	1223.29	140.0				WDNR	X	W		
MW3B	1223.58	74.7				WDNR	X	W		
MW4A	1215.26	100.0				WDNR	X	W		
MW4B	1215.64	60.5				WDNR	X	W, C		
MW4C (2)	1215.23	40.0				WDNR	X	W		
MW7 (2)	1218.67	45.0				WDNR	X	W, C		
GM1S	1216.08	37.0					X	W, C		
GM2S	1211.78	34.0					X	W		
GM4S	1216.05	36.0					X	W		
GM4D	1216.38	145.0					X	W		
R2S	1209.84	28.0					X	W, C		
R2D	1209.56	135.0					X	W, C		
W55	1217.17	115.5	X				X	W, C		
W55A	1217.45	43.0	X				X	W, C		
W56	1200.13	66.5	X				X	W, C		
W56A	1200.96	20.0	X				X	W, C		
W57	1205.31	77.5	X				X	W		

APPENDIX D

WELL STATUS
WAUSAU WATER SUPPLY NPL SITE

Location	Top of Casing Elevation	Well Depth	Well Log Enclosed	State Well I.D. Number	Property Owner	Well Owner	Well Surveyed	On Monitoring Plan List	Well Missing	Located and Proposed for Abandonment
	(FT. AMSL)	(FT. BELOW TOC)								
CW9	1226.28	100.0								
S.G. #2	NA	NA								
GM3S	1214.72	37.0							X	
MW5	NA	NA				WDNR			X	
MW6	NA	NA				WDNR			X	
MW8	1198.96	23.5				WDNR			X	
MW9	NA	NA							X	
PLUM DRIVE	1215.85	95.0								
ZONE 4 TOTALS			5			10	18	22	5	0
ZONE 1-4 TOTALS			35	0	0	17	87	80	27	10

Notes:

W - Water level monitoring list

C - Comprehensive sampling list

NA - Not Available

(1) - New T.O.C. elevation as of 1/95

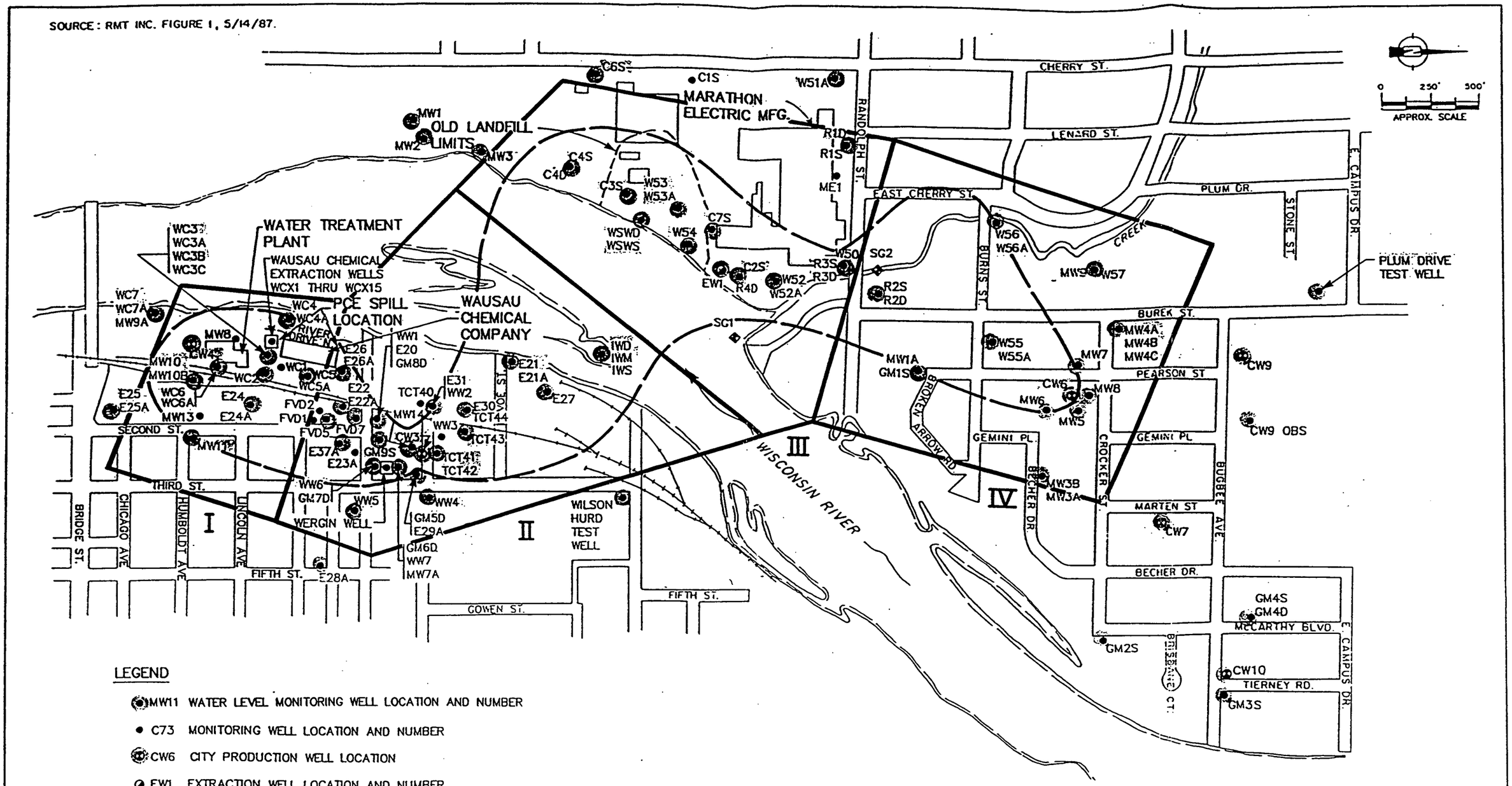
(2) - New T.O.C. elevation as of 10/94

(3) - Wausau Chemical extraction wells used for on-Site water treatment.

(4) - Two wells are labeled MW8, one in Zone 1 and one in Zone 4.

- Three additional wells, MW2A, MW9A, and MW12, are owned by WDNR, however no information exists concerning these wells.

SOURCE: RMT INC. FIGURE 1, 5/14/87.



LEGEND

- MW11 WATER LEVEL MONITORING WELL LOCATION AND NUMBER
- C73 MONITORING WELL LOCATION AND NUMBER
- CW6 CITY PRODUCTION WELL LOCATION
- EW1 EXTRACTION WELL LOCATION AND NUMBER
- SG1 STAFF GAGE LOCATION AND NUMBER
- INDUSTRIAL WELL LOCATION
- I MONITORING ZONE
- —— —— LIMIT OF ZONE OF COMPLIANCE

figure 2.8

WATER LEVEL MONITORING WELL NETWORK

Wausau Superfund Site

CRA

3978 (10) AUG.20/93 (W) REV.0