

QUARTERLY PROGRESS REPORT #36
July, August, September & October 2007
And
SEMI-ANNUAL OPERATION &
MAINTENANCE REPORT
April 2007 through October 2007

N.W. MAUTHE
GROUNDWATER TREATMENT SYSTEM
BRRTS I.D. #02-45-000127
Appleton, Wisconsin

Prepared For The
WISCONSIN DEPARTMENT OF
NATURAL RESOURCES

R + R - OSH
RECEIVED

DEC 12 2007

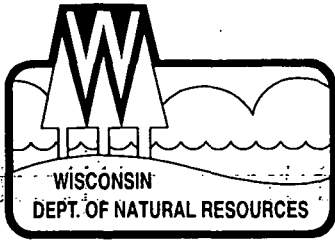
TRACKED 192
REVIEWED

McMAHON
ASSOCIATES

ENGINEERS | ARCHITECTS | SURVEYORS | PROJECT MANAGERS

November 26, 2007

McM. No. M0050-930746.26
SAB:car



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Matthew J. Frank, Secretary
Ronald W. Kazmierczak, Regional Director

Oshkosh Service Center
625 East County Road Y, STE 700
Oshkosh, Wisconsin 54901-9731
TELEPHONE 920-424-3050
FAX 920-424-4404

December 13, 2007

Mr. David Seely, RPM
U.S. EPA, HSRM-6J
77 W. Jackson Blvd.
Chicago, IL 60604-3590

SUBJECT: Quarterly Progress Report #36 (July, August, September & October 2007) and Semi-Annual Operation & Maintenance Report (April 2007 through October 2007) for N. W. Mauthe Superfund Site, 725 S. Outagamie St., Appleton, WI
WDNR BRRTS #:02-45-000127

Dear Mr. Seely:

Enclosed please find a copy of the *Quarterly Progress Report #36, July, August, September & October 2007 and Semi-Annual Operation & Maintenance Report (April 2007 through October 2007)*, for the N. W. Mauthe Superfund Site. The report was prepared by the operation and maintenance contractor, Midwest Contract Operations, Inc. (MCO).

Please note that on October 14, 2007, OMNNI Associates took over as operation and maintenance contractor for this site. Future reporting will be semi-annual.

Please call me at the number below if you have any questions.

Sincerely,

Jennifer Borski
Hydrogeologist
Bureau for Remediation & Redevelopment
(920) 424-7887

Encl.



McMAHON ASSOCIATES

ENGINEERS | ARCHITECTS | SURVEYORS | PROJECT MANAGERS

November 26, 2007

Ms. Jennifer Borski
Wisconsin Department Of Natural Resources
625 East County Road "Y", Suite #700
Oshkosh, WI 54901-9731

Re: N.W. Mauthe Groundwater Treatment System
Appleton, Wisconsin
Quarterly Progress Report #36 & Semi-Annual Operation & Maintenance Report
BRRTS I.D. #02-45-000127
McM. No. M0050-930746.26

Dear Ms. Borski:

Enclosed, please find McMahon Associates, Inc.'s "Quarterly Progress Report #36" and "Semi-Annual Operation & Maintenance Report" for the N.W. Mauthe Groundwater Treatment System, 725 South Outagamie Street, Appleton, Wisconsin.

The Progress Report includes a brief background of the site history, a summary of groundwater sampling results, compliance sampling, and groundwater extraction system performance, and operation and maintenance activities. The Progress Report includes the months of July, August, September and October 2007. The Semi-Annual Operation & Maintenance Report includes the period of April 2007 through October 13, 2007.

If you have any questions or require additional information, feel free to contact me.

Very truly yours,
McMahon Associates, Inc.



Stuart A. Boerst
Senior Hydrogeologist, P.S., P.H.

SAB:car

cc: Jessica Garratt - City of Appleton
Paul Much - MCO

Enclosure: Quarterly Progress Report #36 & Semi-Annual Operation & Maintenance Report



Professional Qualifications Statement

"I, Thomas J. Kispert, hereby certify that I am a Registered Professional Engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. 700 to 726, Wis. Adm. Code."



Thomas J. Kispert, P.E., C.C.S. P.E. No. E-26225
Senior Project Engineer

12-7-07

Date



[P.E. Stamp] 12-7-07

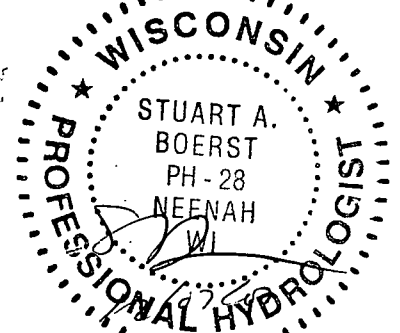
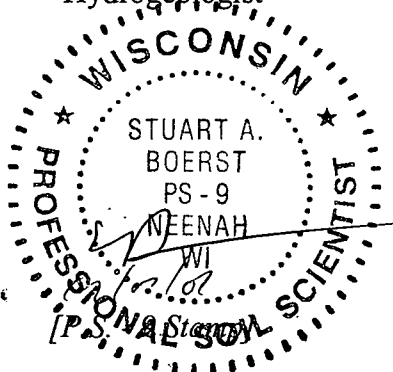
"I, Stuart A. Boerst, hereby certify that I am a Hydrogeologist, as the term is defined in s. NR 712.03(1), Wisconsin Administrative Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wisconsin Administrative Code."



Stuart A. Boerst, P.S., P.H.
Hydrogeologist

12/07/07

Date



[PH. - 28 Stamp]

QUARTERLY PROGRESS REPORT #36
July, August, September & October 2007
And
SEMI-ANNUAL
OPERATION & MAINTENANCE REPORT
April 2007 through October 2007

N.W. MAUTHE
GROUNDWATER TREATMENT SYSTEM
BRRTS I.D. #02-45-000127
Appleton, Wisconsin

Prepared For The
WISCONSIN DEPARTMENT OF
NATURAL RESOURCES

Prepared By
McMahon Associates, Inc.
Neenah, Wisconsin
November 26, 2007
McM. No. M0050-930746.26

Table Of Contents

- I. SITE BACKGROUND
- II. GROUNDWATER EXTRACTION PROCESS
 - A. Groundwater Extraction System
 - B. Permit Monitoring & Reporting
 - 1. Monthly Reporting
 - 2. Quarterly & Semi-Annual Reporting
- III. GROUNDWATER COLLECTION SYSTEM
 - A. Collection Trenches
- IV. COMPLIANCE SAMPLING
- V. GROUNDWATER SAMPLING
 - A. Groundwater Sampling Procedures
 - B. Groundwater Sampling Results
- VI. ROUTINE OPERATION & MAINTENANCE ACTIVITIES
 - A. Weekly Operation & Maintenance Activities
 - B. Monthly Operation & Maintenance Activities
 - C. Annual Operation & Maintenance Activities
 - D. Periodic Operation & Maintenance Activities
 - E. Significant Operation & Maintenance Activities
 - F. Emergency Operation Shut Downs

Table Of Contents (continued)

VII. PUBLIC CONTACTS

VIII. CONCLUSIONS & RECOMMENDATIONS

List Of Figures

- Figure #1 - Site Location Map
- Figure #2 - Collection Trench & Monitoring Well Locations
- Figure #3 - Groundwater Monitoring Well Locations & Groundwater Contours
- Figure #4 - Isoconcentration Map – Total Chromium (ug/l) In Groundwater

List Of Tables

- Table #1 - Groundwater Effluent Discharges
July, August, September & October 2007
- Table #2 - City Of Appleton Effluent Compliance Limits
- Table #3 - Effluent Point #001 Analytical Results
- Table #4 - Groundwater Elevations
- Table #5 - Groundwater Geochemical Parameters
- Table #6 - Groundwater Analytical Results / Selected Metals
- Table #7 - Groundwater Analytical Results / Volatile Organic Compounds (VOC's)
- Table #8 - Influent Hexavalent Chromium Results

List Of Appendices

- Appendix A - Form 4400-194, "Operation, Maintenance, Monitoring & Optimization Reporting Of Soil & Groundwater Remediation Systems"
- Appendix B - Laboratory Analytical Results, Outfall #001
- Appendix C - Groundwater Sampling Data Sheets
- Appendix D - Laboratory Analytical Results, Groundwater Monitoring Wells
- Appendix E - Groundwater Elevations Versus Time Graphs / MW-102, MW-103, MW-104, MW-107, MW-109, MW-110, MW-111, MW-112, & MW-113
- Appendix F - Chromium & Manganese Versus Time Graphs / MW-103, MW-104, MW-107, MW-109, MW-110, MW-111, MW-112 & MW-113
- Appendix G - Volatile Organic Compounds (VOC's) Versus Time Graph / MW-107, MW-110 & MW-113

QUARTERLY PROGRESS REPORT #36
July, August, September & October 2007
And
SEMI-ANNUAL
OPERATION & MAINTENANCE REPORT
April 2007 through October 2007

N.W. MAUTHE
GROUNDWATER TREATMENT SYSTEM
BRRTS I.D. #02-45-000127
Appleton, Wisconsin

Prepared For The
WISCONSIN DEPARTMENT OF
NATURAL RESOURCES

Prepared By
McMahon Associates, Inc.
Neenah, Wisconsin
November 26, 2007
McM. No. M0050-930746.26

I. SITE BACKGROUND

The N.W. Mauthe site is a former electroplating facility, located at 725 South Outagamie Street, Appleton, Wisconsin (refer to Figure #1, Site Location Map). The property was used for a chrome plating company, from 1960 until 1976. Electroplating of zinc, cadmium and, possibly, copper and silver was conducted from 1978 to 1987 in an adjacent building on the same property. After 1987, all plating operations ceased on the property.

Concerns over sub-surface discharges to the surrounding environment led the Wisconsin Department of Natural Resources (DNR) and United States Environmental Protection Agency (USEPA) to conduct a remedial investigation and clean up of the N.W. Mauthe site and surrounding properties.

The investigation determined the N.W. Mauthe site was contaminated with zinc, cadmium, chromium and cyanide. Additionally, several volatile organic compounds (VOC's) were also present.

Based upon the findings of the remedial investigation, the following actions were taken to remediate the N.W. Mauthe site and adjacent properties of the sub-surface contamination.

- A. Demolition and removal of the buildings on the N.W. Mauthe property.
- B. Excavation and off-site treatment of soils with a total chromium concentration of greater than 500 mg/kg.
- C. Backfilling of the excavation with clean soils, capping the site with 2-feet of clay and topsoil, and the establishment of vegetative cover.
- D. Installation of groundwater collection trenches and construction and operation of a groundwater treatment facility to contain and/or control groundwater contamination with ultimate compliance with groundwater Applicable or Relevant and Appropriate Requirements (ARAR's).
- E. Improvement or installation of foundation drain systems and cleaning, painting or sealing of basement walls and floors, as needed, for homes or businesses in the area of the site, to prevent seepage of contaminated water into the buildings.

Midwest Contract Operations, Inc. (MCO) began operating the groundwater treatment system in February 1997. CH₂M Hill, the site engineer and project manager for the U.S. EPA, retained responsibility for the overall site operations and the groundwater monitoring wells associated with the treatment system.

In October 1998, after the first year of operation and maintenance of the remediation system, the Wisconsin DNR assumed the responsibility from the U.S. EPA for all operation and maintenance of the site. MCO was retained by the Wisconsin DNR for the operation and maintenance of the entire groundwater treatment system, including the groundwater monitoring wells. MCO performs groundwater sampling and maintenance of the system.

The groundwater collection trench system, the location of sump pump and drain connections, and the groundwater monitoring wells associated with the site are shown in Figure #2.

The groundwater extraction system is designed to capture groundwater containing contaminants at concentrations greater than the 1992 Chapter NR 140, Administrative Code Preventative Action Limits (PAL's). The system is designed using a course sand-filled trenches that influences groundwater flow. Groundwater will enter the trench, based upon the head differential between the local water table and the level maintained in the trench. Perforated drain pipe in the bottom of the trench drains water from the

trench to one of two manholes, after which the groundwater is pumped to the sanitary sewer with no treatment.

The collection trench system consists of the west, central and southeast segments, which are approximately 200, 280 and 600 linear feet in length, respectively. The trenches, shown on Figure #2, are constructed of coarse sand with perforated pipe at the base. The trenches are sealed from a depth of 3 feet to the surface to prevent infiltration of surface water. In normal operation, the water level in the trenches is maintained at or near the bottom of the trench. The trenches are sloped to promote drainage to the manholes and, in most parts of the trench, the water level will be near the bottom. As such, if the groundwater extraction system needs to be shutdown for repair or maintenance for a short period of time, the trenches will provide storage and will continue to act as a hydraulic barrier until the water in the trench rises to the level of the water table.

Four homes south of the facility have foundation drain systems that are connected to the groundwater collection system via gravity piping (801 South Outagamie Street, 1428 West Second Street, 1414 West Second Street and 1410 West Second Street). This piping includes a backwater valve to prevent back-up of groundwater into the foundation drain systems.

Groundwater collection in the west trench flows by gravity to Manhole #1, where the maximum depth of the trench extends about 32 feet below ground surface. Groundwater in the central and southeast trenches flows by gravity to Manhole #2, where the maximum depth of the trench extends about 31 feet below ground surface. The pumps in Manholes #1 and #2 pump groundwater to the treatment facility where it is discharged to the sanitary sewer.

In May 10, 2004, four piezometers (PZ-01, PZ-02, PZ-03 and PZ-04) were abandoned. The bottom of the piezometers were installed near the elevation of the collection trench piping and were within the trenches. The purpose of the piezometers were to determine whether the trenches were working properly. Therefore, since the trenches are functioning properly, the piezometers were abandoned.

In June 2005, Omni Associates, Inc. installed four piezometers (PZ-5, PZ-6, PZ-7 and PZ-8).

In May 2006, Omni Associates, Inc. installed five groundwater monitoring wells (MW-109 through MW-113).

On October 13, 2007 MCO discontinued operational responsibilities of the system. Omni Associates, Inc. began operating the system on October 14, 2007.

II. GROUNDWATER EXTRACTION PROCESS

A. Groundwater Extraction System

Beginning in February 1997 through April 18, 2006 the treatment system consisted of a batch process. As part of the remediation phase at the N.W. Mauthe site, a groundwater collection system was installed on and adjacent to the N.W. Mauthe property. Approximately 1,080 lineal feet of coarse sand filled trenching was installed to draw groundwater from the contaminated areas to two collection sumps. From the collection sumps, groundwater was pumped to a 9,000 gallon holding tank, located within the treatment building.

Each batch of groundwater to be treated was pumped from the storage tank to the reaction tank. The batch process treatment system utilized ferrous sulfate and caustic additions to treat the contaminated groundwater. Through chemical addition, mixing, aeration and settling, the chromium was removed from the groundwater. The fully automated process treated approximately 2,700 gallons per batch (based on physical tank measurements) and is capable of treating four batches per day.

Treated groundwater decants from the reaction tank to the City of Appleton sanitary sewer system. The chromium containing sludge settles to the bottom of the reaction tank.

During each discharge, the effluent was tested for hexavalent chromium using a Hach Test kit. The pH is recorded off two meters, located in the reaction tank. The pH values from the two meters are recorded during discharge as the high and low pH values on a daily log sheet. The average of the two pH values was calculated. The effluent wastewater was tested quarterly for total chromium at a DNR approved environmental laboratory.

Beginning on April 18, 2006, the groundwater is directly discharged from the two sumps through a storage tank and into the City of Appleton sanitary sewer system with no treatment. The storage tank allows for sampling. An 8 week pilot project was conducted beginning on April 18, 2006.

For the months of July, August, September and October 2007, a total of 177,187-gallons of contaminated groundwater was extracted and discharged to the sewer system with no treatment. The effluent flows are recorded based on the effluent meter reading. The average groundwater concentration was calculated by taking an average of the weekly influent chromium concentrations over the 3 plus month period. Using the average groundwater concentration of 1.78 mg/l hexavalent chromium, the calculated reduction in hexavalent chromium would be 2.63 pounds over the 3 plus month period.

A summary of continuous discharge of untreated groundwater, for the period of July, August, September and part of October 2007, is included in Table #1.

B. Permit Monitoring & Reporting

1. Monthly Reporting

The Wisconsin DNR is provided with a monthly report summarizing operations at the site. The monthly reports include MCO's operating invoice for the month, a copy of the City of Appleton monthly report, a list of invoices paid during the month, and a copy of the facility log. Also included in this report is a narrative of any alarm call-outs or non-routine occurrences at the site.

2. Quarterly & Semi-Annual Reporting

Quarterly reports are submitted to the Wisconsin DNR and the City of Appleton covering the time periods of October through December (first), January through March (second), April through June (third), and July through September (fourth). This quarterly report is for the period July through October 13, 2007.

The reports include total flows for the quarter, Hach kit hexavalent chromium concentrations, laboratory hexavalent chromium concentrations, and laboratory total chromium concentrations. A summary of the direct groundwater discharge meter readings, Hach kit results and laboratory results for this period are contained in Table #1. For the time period covered by this report, there were no exceedances of the effluent discharge limits.

Semi-annual reporting consists of submittal of Wisconsin DNR Form 4400-194 with the second and fourth Quarterly Progress Reports. The form for the period October 1, 2006 through March 31, 2007 is presented in Appendix A.

The quarterly reports include site background, a description of the groundwater extraction and discharge process and analytical results, groundwater sampling procedures and results, a discussion of public contacts, applicable operation and maintenance activities, and MCO's conclusions and recommendations.

The Semi-Annual Operation & Maintenance Report includes a summary of routine operation and maintenance activities at the site, groundwater

monitoring results, groundwater extraction performance, conclusions and recommendations.

III. GROUNDWATER COLLECTION SYSTEM

A. Collection Trenches

The groundwater collection system utilizes approximately 1,080 linear feet of coarse sand filled trenching, which was installed to draw groundwater from the contaminated areas to two collection sumps. Collection Sump #1, designated Manhole #1 on the Site Map and located at the southwest corner of the property, collects flows from below the Miller Electric parking lot and the south end of the Mauthe property.

Collection Sump #2, designated Manhole #2 on the Site Map and located along Outagamie Street south of the railroad tracks, collects flow from the triangular area bounded by the railroad tracks, Outagamie Street and Second Street.

Groundwater flows from the Mauthe site tend to flow southward toward the collection trenches (Figure #3). South of the railroad tracks, groundwater flows towards the closest collection trench. The exact radius of influence of the trenches is not known. However, based upon the groundwater analytical results from the wells located around the perimeter of the plume, the plume appears to be controlled horizontally.

Foundation drains at 1410 and 1414 West Second Street and 801 South Outagamie Street are connected to the collection trench system. Additionally, the sump pump at 1428 West Second Street is connected to the system.

IV. COMPLIANCE SAMPLING

Compliance sampling of the treatment system effluent is conducted twice per year by the City of Appleton. The effluent is analyzed for all the parameters listed in Table #2. Process compliance samples are collected according to the following schedule. Total chromium is tested monthly. Hexavalent chromium is tested weekly for the months of April through October, and monthly from November through March. Flows and pH are recorded during the sampling events. The most recent process compliance sample was collected on October 9, 2007.

MCO collects one compliance sample from the outfall during the first quarter of each calendar year. Four quarterly process compliance samples per year are tested for one or more of the following: flow, pH, hexavalent chromium and total chromium. The sample collected for analysis by MCO was collected September 25, 2007. The Hexavalent Chromium concentration was 1.70 mg/l.

A summary of the compliance sampling results from Outfall 001 are contained in Table #3. The sampling results are presented in Appendix B. During the period from July through October 2007, there were no exceedances of the City of Appleton Industrial User Discharge Permit.

V. GROUNDWATER SAMPLING

A. Groundwater Sampling Procedures

A total of 16 groundwater monitoring wells and four piezometers are associated with the groundwater extraction system.

Groundwater levels are measured in the monitoring wells and piezometers, relative to the north side of the top of the well casing. A summary of the historical groundwater levels for the site is included in Table #4. The groundwater contours for groundwater monitoring wells, relative to the site are shown on Figure #3.

Two reductions to the original monitoring plan have been requested since 1997. On December 3, 1999, Jennifer Huffman with the Wisconsin DNR requested a reduction to the monitoring plan:

1. Elimination of quarterly sampling for copper, zinc, mercury and cyanide at all site wells.
2. Reduction in VOC sampling frequency from quarterly to annual.
3. Elimination of weekly testing for total suspended solids on the treated effluent.

EPA approved the 1999 request on January 18, 2000.

On March 24, 2003, Jennifer Borski with the Wisconsin DNR requested a reduction to the monitoring plan:

1. Elimination of quarterly cadmium sampling at all site wells.
2. Reduction in the frequency from quarterly to annual sampling of manganese at all site wells. Manganese detections did not appear to be related to contamination from the plating operations.

3. Reduction in the frequency from quarterly to annual sampling of total dissolved chromium at W-2, W-8, W-15, MW-101, MW-102, MW-105, MW-106 and MW-108.
4. Elimination of annual VOC sampling at W-2, W-8, W-15, MW-101, MW-102, MW-103, MW-104, MW-105, MW-106 and MW-108.

EPA approved the 2003 request on April 17, 2003.

Eight groundwater monitoring wells were sampled on September 28, 2007, for Total Chromium and/or VOC's and/or zinc and/or cyanide and manganese. A dedicated submersible pump is installed in each well. Water level measurements were collected from each monitoring well, prior to sampling. Each sampled well was slowly pumped dry and allowed to recharge. The wells were then pumped dry again, allowed to recharge and then sampled. Purge water from the wells was collected and dumped into the collection sumps. The pump water volumes collected from the groundwater wells and the field testing data are included in Table #5. The groundwater sampling field documentation sheets are presented in Appendix C.

The sampling process utilized a flow through cell to read the pH, temperature, conductivity, redox potential and dissolved oxygen in each well. Flow through the cell was maintained at approximately 250 ml/min. utilizing a resistor to control pump flow. The same approximate flow rate was maintained for purging and sampling. Groundwater samples were collected after a well had been purged dry twice. The pH, conductivity, redox potential and dissolved oxygen readings for each monitoring well were recorded just prior to sampling. The groundwater samples were collected in the order of VOC vials first (if applicable) and metal samples second. The metal samples were field filtered with a 45 micron in-line filter. The laboratory containers supplied for metals analysis include nitric acid as preservative. The collected samples were submitted to Pace Analytical, Green Bay, Wisconsin. The collected samples were analyzed for selected metals and Volatile Organic Compounds (VOC's), as specified by the Wisconsin DNR. Ferrous iron testing was conducted using field Hach test kits.

B. Groundwater Sampling Results

The collected groundwater samples were analyzed for one or more of the following: Total Dissolved Chromium, VOC's, zinc, and cyanide. Field analysis was conducted at all the monitoring wells for pH, temperature, specific conductivity, dissolved oxygen, Redox potential and ferrous iron. The field testing results are contained in Table #5. The laboratory analytical results are presented on Tables #6 and #7.

The laboratory analytical results indicate that levels of total chromium exceed the 1992 DNR NR 140.10 Groundwater PAL in monitoring wells MW-103 (78 ug/l), MW-104 (11 ug/l), MW-107 (2,000 ug/l), MW-109 (1,300 ug/l), MW-110 (51,000 ug/l), MW-111 (340 ug/l), MW-112 (150,000 ug/l) and MW-13 (55,000 ug/l). Additionally, one to six VOC compounds (1,1-Dichloroethane, 1,1-Dichloroethene, cis-1,2,-Dichloroethene, trans-1,2,-Dichloroethene, 1,1,1-Trichloroethane, 1,1,2-Trichloroethane and Trichloroethene) were detected in MW-107, MW-109, MW-110, MW-111, MW-112 and MW-113 at concentrations above the 1992 NR 140.10 PAL. An isoconcentration map for total chromium concentrations is shown on Figure #4. The Chain Of Custody Forms and laboratory analytical data are included in Appendix D.

The Groundwater Elevation Versus Time Graph for all the wells is presented in Appendix E. Graphs for Chromium And Manganese Concentrations Over Time for all the wells are contained in Appendix F. For graphing purposes, analytical results below the laboratory LOD were listed at half the analytical laboratory's method detection limit. A graph of the Detected VOC Compounds at MW-107 Over Time is contained in Appendix G.

A summary of the weekly influent Hexavalent Chromium concentrations is contained in Table #8.

VI. ROUTINE OPERATION & MAINTENANCE ACTIVITIES

Completed operations log sheets are kept on file at the groundwater treatment facility for all of the operation and maintenance activities listed below.

A. Weekly Operation & Maintenance Activities

The following activity is conducted on a weekly basis.

1. Test influent chromium concentration in storage tank, utilizing a Hach test kit.

The weekly checks are documented on log sheets, which are kept on file at the treatment facility.

B. Monthly Operation & Maintenance Activities

The following activities are performed each month, generally near the first of the month.

1. Unit Heaters

The unit heaters are checked during cold weather for proper operation, excessive noise and vibration. The heaters are shut-off in spring and turned on in the fall.

2. Air Conditioner

The facility heater / air conditioner is checked for proper operation and the air filter is cleaned, as-needed.

3. Water Heater

The water heater is checked for any visible leaks. The relief valve is tested for proper operation. Between 1 and 2-quarts of water are drained from the tank monthly.

4. Ceiling Fans

The ceiling fans are checked for excessive vibration or dirt build-up.

5. Safety Shower

The safety shower is tested monthly for proper operation.

C. Annual Operation & Maintenance Activities

The following activities are performed on an annual basis.

1. The unit heaters are cleaned and test fired. This will normally occur in September of the year. The Operation & Maintenance Plan for the facility calls for lubrication of the heater motors. The actual maintenance of the heaters deviates from the Operation & Maintenance Plan because the moving parts on the heaters have sealed bearings and do not require lubrication.

2. The submersible pumps in the two collection sumps and building sump are removed and the lubricating oil changed. The Operation & Maintenance Plan for the facility calls for replacement of the mechanical

seal, oil filter, plug gasket and o-rings be replaced annually. A visual observation of the condition of the oil is done to verify the integrity of the pump seals. If no water is noted in the removed pump oil, the seals and o-rings are not changed. The pump maintenance activities are scheduled for November. A spare pump is kept on the site in the event of a failure.

3. The ceiling fan blades are cleaned during the September operation and maintenance activities.

D. Periodic Operation & Maintenance Activities

The following activities are performed on an as-needed basis throughout the year.

1. Lawn mowing and snow removal is conducted as required.
2. The effluent flow meter operation is checked during each discharge. According to the factory representative, there are no operator performed calibration functions for the flow meter, unless a hardware failure occurs.

E. Significant Operation & Maintenance Activities

There were no other significant operation and maintenance activities performed between October 2006 and March 2007.

F. Emergency Operation Shut Downs

There were no emergency shut-downs during the reporting period.

VII. PUBLIC CONTACTS

There were no public contacts during this reporting period.

VIII. CONCLUSIONS & RECOMMENDATIONS

The groundwater laboratory results from the 16 monitoring wells associated with the N.W. Mauthe groundwater treatment system indicate the groundwater plume is being controlled horizontally by the groundwater collection trenches.

The latest round (September 2007) of groundwater samples collected from eight of the monitoring wells, indicates residual chromium contamination above the 1992 DNR NR 140.10 PAL exists in monitoring wells MW-103, MW-104, MW-107, MW-109, MW-110, MW-111, MW-112, and MW-113. Additionally, one to six VOC compounds in excess of the 1992 NR 140.10 PAL were detected in MW-107, MW-109, MW-110, MW-111, MW-112 and MW-113.

A total of 177,187-gallons of impacted groundwater has been extracted during the months of July, August, September and through October 13, 2007, and discharged to the City of Appleton municipal sanitary sewer system with no treatment. A total of 2.63-pounds of chromium was removed during the three plus month period. Analysis by MCO and the City of Appleton of the treatment system effluent did not indicate any exceedances of the local discharge permit limits for the site.

Based upon the September 2007 groundwater sampling results and the effluent process analytical results, McMahon Associates, Inc. recommends continued operation of the groundwater extraction and direct discharge system at the N.W. Mauthe groundwater remediation site.

On October 13, 2007, MCO discontinued operational responsibilities of the system. Subsequently on October 14, 2007 Omni Associates, Inc. began operation of the system.

Table #1

GROUNDWATER EFFLUENT DISCHARGES
 July, August, September & October 2007
 N.W. Mauthe Superfund Site - Appleton, Wisconsin
 MCO No. M0050-930746.26

Date	Flow Meter Reading	Gallons Discharged	pH	Discharge Hexavalent Chromium Concentration Hach Test Kit Mg/l	Discharge Hexavalent Chromium Concentration Lab Test Mg/l	Discharge Total Chromium Concentration Lab Test Mg/l
07/02/07	8146620	7,915				
07/03/07	8146620	0	7.8	1.5+	1.80	1.60
07/09/07	8160376	13,756				
07/10/07	8160376	0	7.8	1.5+	1.80	
07/16/07	8170977	10,601				
07/17/07	8170977	0	7.7	1.5+	2.10	
07/23/07	8178071	7,094				
07/24/07	8178071	0	7.8	1.5+	2.20	
07/30/07	8183992	5,921				
07/31/07	8183992	0	7.7	1.40	1.90	

**Total Monthly
Discharge Gallons 45,287**

Date	Flow Meter Reading	Gallons Discharged	pH	Discharge Hexavalent Chromium Concentration Hach Test Kit Mg/l	Discharge Hexavalent Chromium Concentration Lab Test Mg/l	Discharge Total Chromium Concentration Lab Test Mg/l
08/06/07	8189031	5,039				
08/07/07	8189031	0	7.7	1.5+	2.70	2.70
08/13/07	8193559	4,528				
08/14/07	8193559	0	7.8	1.5+	2.30	
08/20/07	8201594	8,035				
08/21/07	8201594	0	7.7	1.5+	1.90	
08/27/07	8236537	34,943				
08/28/07	8236537	0	7.8	1.5+	1.50	

**Total Monthly
Discharge Gallons 52,545**

Date	Flow Meter Reading	Gallons Discharged	pH	Discharge Hexavalent Chromium Concentration Hach Test Kit Mg/l	Discharge Hexavalent Chromium Concentration Lab Test Mg/l	Discharge Total Chromium Concentration Lab Test Mg/l
09/03/07	8251756	15,219				
09/04/07	8251756	0	7.7	1.30	1.50	1.30
09/10/07	8267844	16,088				
09/11/07	8267844	0	7.8	1.00	1.30	
09/17/07	8281626	13,782				
09/12/07	8281626	0	7.8	1.20	1.50	
09/24/07	8290363	8,737				
09/25/07	8290363	0	7.8	1.30	1.70	

**Total Monthly
Discharge Gallons 53,826**

Date	Flow Meter Reading	Gallons Discharged	pH	Discharge Hexavalent Chromium Concentration Hach Test Kit Mg/l	Discharge Hexavalent Chromium Concentration Lab Test Mg/l	Discharge Total Chromium Concentration Lab Test Mg/l
10/01/07	8301251	10,888				
10/02/07	8301251	0	7.7	1.40	1.60	1.50
10/08/07	8315892	14,641				
10/09/07	8315892	0	7.5	1.40	1.90	

**Total Monthly
Discharge Gallons 25,529**

Table #2

CITY OF APPLETON EFFLUENT COMPLIANCE LIMITS
Effluent Point 001
N.W. Mauthe Superfund Site - Appleton, Wisconsin
MCO No. M0050-930746.26

	Aluminum (mg/l)	Arsenic (mg/l)	Cadmium (mg/l)	Chromium Total (mg/l)	Copper (mg/l)	Cyanide (mg/l)	Lead (mg/l)	Mercury (mg/l)	Nickel (mg/l)	Zinc (mg/l)	Hexavalent Chromium (mg/L)
Effluent Limits Permit #06-21	70	1.0	0.3	7.0	3.5	1.0	2.0	0.002	2.0	10.0	4.5

mg/l = milligram / liter

ug/l = microgram / liter

Note: Based upon City of Appleton Permit No. 06-21.

Table #3

EFFLUENT POINT #001 ANALYTICAL RESULTS
Effluent Point 001
N.W. Mauthe Superfund Site - Appleton, Wisconsin
MCO No. M0050-930746.26

Sample Name	Sample Date	Aluminum (mg/l)	Arsenic (mg/l)	Cadmium (mg/l)	Chromium Total (mg/l)	Copper (mg/l)	Cyanide (mg/l)	Lead (mg/l)	Mercury (mg/l)	Nickel (mg/l)	Zinc (mg/l)	Hexavalent Chromium (mg/L)
Outfall 001*	02/20/97	<.02	<.003	<.00050	0.0400	<.01	<.00001	<.005	<.0002	<.005	0.0051	<.01
Outfall 001*	05/27/97	NA	NA	NA	0.2600	NA	NA	NA	NA	NA	NA	NA
Outfall 001*	09/11/97	NA	NA	NA	0.5570	NA	NA	NA	NA	NA	NA	NA
Outfall 001*	12/12/97	NA	NA	NA	0.2790	NA	NA	NA	NA	NA	NA	NA
Outfall 001*	03/24/98	0.0152	<.002	<.00004	0.0637	<.0095	<.0017	<.0006	<.000015	<.0095	0.0046	0.1000
Outfall 001**	04/29/98	<.011	<.002	<.005	0.2200	<.05	0.0020	<.1	<.0002	<.04	<.005	NA
Outfall 001*	06/10/98	NA	NA	NA	0.0784	NA	NA	NA	NA	NA	NA	NA
Outfall 001**	10/07/98	<.011	<.002	0.0050	0.1700	<.05	<.001	<.1	<.0002	<.04	0.0250	NA
Outfall 001***	10/27/98	NA	NA	NA	0.0940	NA	NA	NA	NA	NA	NA	NA
Outfall 001***	02/09/99	NA	NA	NA	0.1600	NA	NA	NA	NA	NA	NA	NA
Outfall 001***	03/18/99	<.009	<.003	<.00031	NA	.00068****	<.000032	<.0024	<.00005	.00351****	<.012	<.0036
Outfall 001**	03/18/99	<.011	<.002	<.005	<.05	<.05	0.0010	0.1000	<.00005	0.0400	0.0180	NA
Outfall 001***	06/08/99	NA	NA	NA	0.1900	NA	NA	NA	NA	NA	NA	NA
Outfall 001***	09/13/99	NA	NA	NA	0.1700	NA	NA	NA	NA	NA	NA	NA
Outfall 001**	09/21/99	<.011	<.002	<.005	<.05	<.05	0.0030	<.1	<.00015	<.04	0.0080	NA
Outfall 001***	12/15/99	NA	NA	NA	0.0870	NA	NA	NA	NA	NA	NA	NA
Outfall 001**	02/15/00	<.015	<.0020	<.005	0.0900	<.05	<.001	<.1	<.00013	<.04	0.0280	NA
Outfall 001***	03/13/00	<.009	<.003	<.00031	0.1400	<.0006	<.0044	<.0024	<.00005	0.0012	<.012	NA
Outfall 001***	06/22/00	NA	NA	NA	0.2400	NA	NA	NA	NA	NA	NA	NA
Outfall 001***	09/27/00	NA	NA	NA	0.5100	NA	NA	NA	NA	NA	NA	NA
Outfall 001***	12/19/00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Outfall 001**	02/21/01	<.015	<.002	<.005	0.11	<.05	0.001	<.1	<.00013	<.04	0.042	NA
Outfall 001***	03/01/01	<.034	<.0027	.012 ****	0.25	.0088 ****	<.0033	<.17	<.00005	.036 ****	0.015	<.0036
Outfall 001***	06/19/01	NA	NA	NA	0.11	NA	NA	NA	NA	NA	NA	NA
Outfall 001***	09/24/01	NA	NA	NA	0.16	NA	NA	NA	NA	NA	NA	NA
Outfall 001**	10/02/01	0.016	<.002	<.005	0.14	<.05	<.001	<.1	<.00013	<.04	0.065	NA
Outfall 001***	12/05/01	NA	NA	NA	0.042	NA	NA	NA	NA	NA	NA	NA
Outfall 001***	03/19/02	<.034	<.0027	<.0075	0.36	<.0077	<.0027	<.17	<.00005	<.017	<.012	<.0036
Outfall 001**	05/02/02	<.049	<.012	<.014	0.362	<.015	<.0014	<.060	<.00011	<.011	<.009	NA
Outfall 001***	06/20/02	NA	NA	NA	0.67	NA	NA	NA	NA	NA	NA	NA
Outfall 001***	09/18/02	NA	NA	NA	0.11	NA	NA	NA	NA	NA	NA	NA
Outfall 001**	11/12/02	0.027	<.0082	<.00053	0.23	<.009	<.0007	<.00084	<.000028	0.0044	0.0081	NA
Outfall 001***	12/17/02	NA	NA	NA	0.0082	NA	NA	NA	NA	NA	NA	NA
Outfall 001**	02/11/03	<.027	<.0082	<.00053	0.086	<.0009	<.0014	<.0013	<.000028	0.0036	<.0025	NA
Outfall 001**	03/24/03	<.045	<.0027	<.0088	0.13	0.075	<.0050	<.16	<.000050	<.019	<.0044	<.0036
Outfall 001***	06/11/03	NA	NA	NA	<.019	NA	NA	NA	NA	NA	NA	NA
Outfall 001***	09/10/03	NA	NA	NA	<.019	NA	NA	NA	NA	NA	NA	NA
Outfall 001**	10/23/03	0.0045	0.0013	<.00001	0.221	<.00008	<.0005	<.00006	0.0002	<.025	<.010	NA
Outfall 001***	12/10/03	NA	NA	NA	<.019	NA	NA	NA	NA	NA	NA	NA

Table #3

EFFLUENT POINT #001 ANALYTICAL RESULTS
Effluent Point 001
N.W. Mauthe Superfund Site - Appleton, Wisconsin
MCO No. M0050-930746.26

Sample Name	Sample Date	Aluminum (mg/l)	Arsenic (mg/l)	Cadmium (mg/l)	Chromium Total (mg/l)	Copper (mg/l)	Cyanide (mg/l)	Lead (mg/l)	Mercury (mg/l)	Nickel (mg/l)	Zinc (mg/l)	Hexavalent Chromium (mg/L)
Outfall 001**	03/24/04	<0.050	<0.0026	<0.010	0.15	<0.0060	<0.0050	<0.16	<0.000025	<0.020	<0.010	NA
Outfall 001***	08/09/04	NA	NA	NA	0.055	NA	NA	NA	NA	NA	NA	NA
Outfall 001***	09/22/04	NA	NA	NA	0.15	NA	NA	NA	NA	NA	NA	NA
Outfall 001**	11/09/04	0.0071	<0.0012	<0.0001	0.04	0.0008	<0.005	<0.008	<0.0002	0.0013	<0.01	NA
Outfall 001***	12/09/04	NA	NA	NA	1.6	NA	NA	NA	NA	NA	NA	NA
Outfall 001***	03/29/05	NA	NA	NA	0.041	NA	NA	NA	NA	NA	NA	<0.0027
Outfall 001***	06/22/05	NA	NA	NA	0.065	NA	NA	NA	NA	NA	NA	NA
Outfall 001***	08/08/05	0.023	<0.0035	<0.0003	0.039	0.0019	<0.0037	<0.0011	<0.000026	<0.0044	0.0024	<0.005
Outfall 001***	09/21/05	NA	NA	NA	0.52	NA	NA	NA	NA	NA	NA	NA
Outfall 001**	11/05/06	0.0052	<0.0012	<0.0001	0.088	<0.0005	<0.005	<0.0008	<0.0002	0.0017	<0.010	NA
Outfall 001***	12/16/05	NA	NA	NA	0.095	NA	NA	NA	NA	NA	NA	NA
Outfall 001**	02/23/06	0.0021	<0.0012	<0.0001	0.08	<0.0005	<0.0005	<0.0008	<0.0002	0.0022	<0.010	NA
Outfall 001***	03/23/06	<0.20	<0.0076	<0.00074	0.32	0.0018	0.0043	<0.0034	<0.000026	0.0033	<0.020	NA
Outfall 001**	06/27/06	<0.200	<0.0076	<0.00074	0.700	0.0016	<0.0094	<0.0034	<0.000072	0.0021	<0.020	<0.350
Outfall 001***	09/20/06	NA	NA	NA	1.100	NA	NA	NA	NA	NA	NA	NA
Outfall 001**	10/05/06	0.037	<0.00011	<0.0001	4.575	0.0068	0.01	<0.001	<0.0002	0.0026	<0.010	NA
Outfall 001***	12/06/06	NA	NA	NA	2.0	NA	NA	NA	NA	NA	NA	2.40
Outfall 001***	04/02/07	0.0383	0.00024	0.000086	1.41	0.0041	<0.0094	0.00013	<0.000063	0.0035	0.009	NA
Outfall 001***	09/25/07	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.700
Effluent Limits Permit #06-21		70.0000	1.0000	0.3000	7.0000	3.5000	1.0000	2.0000	0.0020	2.0000	10.0000	4.5000

mg/l = milligram / liter

ug/l = microgram / liter

NA = not analyzed

* = Sampled by CH2M Hill

** = Sampled by the City of Appleton

*** = Sampled by MCO

**** = Detect of compound in area of less certain quantitation.

Table #4

GROUNDWATER ELEVATIONS
N.W. Mauthe Superfund Site - Appleton, Wisconsin
MCO No. M0050-930746.26

Well Name	Date Measured	Depth To Water (feet)	Reference Elevation (To Top PVC) (feet)	Groundwater Elevation (feet)
W-2	02/01/97	-		798.66
	05/01/97	-		801.01
	09/01/97	-		800.28
	12/01/97	-	804.66	797.69
	03/01/98	-		802.08
	06/01/98	-		799.38
	10/27/98	5.85		798.81
	02/08/99	4.50		800.16
	06/08/99	3.31		801.35
	09/13/99	5.78		798.88
	12/15/99	6.63		798.03
	03/13/00	1.60		803.06
	06/22/00	2.63		802.03
	09/27/00	3.28		801.38
	12/19/00	4.78		799.88
	03/01/01	5.93		798.73
	06/19/01	1.83		802.83
	09/24/01	5.94		798.72
	12/05/01	4.93		799.73
	03/19/02	1.08		803.58
	06/20/02	2.78		801.88
	09/18/02	6.38		798.28
	12/17/02	6.81		797.85
	03/24/03	4.31		800.35
	06/10/03	3.14		801.52
	09/10/03	6.11		798.55
	12/10/03	4.03		800.63
	03/24/04	1.26		803.40
	07/09/04	3.44		801.22
	09/21/04	6.79		797.87
03/29/05	4.51		800.15	
06/20/05	4.83		799.83	
09/21/05	6.21		798.45	
12/14/05	5.51		799.15	
03/21/06	0.08		804.58	
06/28/06	6.02		798.64	
09/20/06	8.75		795.91	
12/09/06	6.20		798.46	
03/13/07	3.80		800.86	
07/03/07	6.16		798.50	
09/27/07	5.66		799.00	
W-8	02/01/97	-		797.22
	05/01/97	-		797.66
	09/01/97	-		798.01
	12/01/97	-	803.36	796.52
	03/01/98	-		798.16
	06/01/98	-		797.31
	10/27/98	6.41		796.95
	02/08/99	5.49		797.87
	06/08/99	4.38		798.98
	09/13/99	6.71		796.65
	12/15/99	6.91		796.45
	03/13/00	6.25		797.11
	06/22/00	6.42		797.34
	09/27/00	5.66		797.70
	12/19/00	6.80		796.56
	03/01/01	5.41		797.95
	06/19/01	5.02		798.34
	09/24/01	3.38		799.98
	12/05/01	7.02		796.34
	03/19/02	3.63		799.73
	06/20/02	5.66		797.70
	09/18/02	6.93		796.43
	12/17/02	9.00		794.36
	03/24/03	6.18		797.18
	06/10/03	6.11		797.25
	09/10/03	6.71		796.65
	12/10/03	6.62		796.74
	03/23/04	6.55		796.81
	07/09/04	6.11		797.25
	09/21/04	7.08		796.28
03/29/05	6.24		797.12	

Table #4

GROUNDWATER ELEVATIONS
N.W. Mauthe Superfund Site - Appleton, Wisconsin
MCO No. M0050-930746.26

Well Name	Date Measured	Depth To Water (feet)	Reference Elevation (To Top PVC) (feet)	Groundwater Elevation (feet)
W-8 (continued)	06/20/05	6.60		796.76
	09/21/05	6.84		796.52
	12/14/05	6.71		796.65
	03/21/06	6.57		796.79
	06/28/06	7.18		796.18
	09/20/06	7.07		796.29
	12/19/06	6.87		796.49
	03/13/07	6.48		796.88
	07/03/07	7.29		796.07
	09/27/07	6.52		796.84
W-15	02/01/97	-		793.97
	05/01/97	-		796.92
	09/01/97	-		797.23
	12/01/97	-	803.76	795.52
	03/01/98	-		796.78
	06/01/98	-		796.32
	10/27/98	7.95		795.81
	02/08/99	9.19		794.57
	06/08/99	6.89		796.87
	09/13/99	7.85		795.91
	12/15/99	8.97		794.79
	03/13/00	7.80		795.96
	06/22/00	6.42		797.34
	09/27/00	6.30		797.46
	12/19/00	7.99		795.77
	03/01/01	9.52		794.24
	06/19/01	6.91		796.82
	09/24/01	6.65		797.11
	12/05/01	8.15		795.61
	03/19/02	7.22		796.54
	06/20/02	6.84		796.92
	09/18/02	7.28		796.48
	12/17/02	9.98		793.78
	03/24/03	9.77		793.99
	06/10/03	7.04		796.72
	09/10/03	7.06		796.70
	12/10/03	7.15		796.61
	03/23/04	6.58		797.18
	07/09/04	6.45	803.66 ****	797.21
	09/21/04	7.26		796.40
	03/29/05	7.50		796.16
	06/20/05	6.82		796.84
09/21/05	7.05		796.61	
12/14/05	7.88		795.78	
03/21/06	6.95		796.71	
06/28/06	6.98	803.42 *****	796.44	
09/20/06	7.13		796.29	
12/19/06	8.02		795.40	
03/13/07	7.22		796.20	
07/03/07	7.00		796.42	
09/27/07	6.67		796.75	
MW-101	02/01/97	-		797.16
	05/01/97	-		799.99
	09/01/97	-		798.67
	12/01/97	-	807.59	798.21
	03/01/98	-		803.43
	06/01/98	-		800.48
	10/27/98	10.26		797.33
	02/08/99	11.91		795.68
	06/08/99	9.79		797.80
	09/13/99	10.35		797.24
	12/15/99	9.01		798.58
	03/13/00	12.67		794.92
	06/22/00	6.28		801.31
	09/27/00	10.41		797.18
	12/19/00	10.73		796.86
	03/01/01	12.61		794.98
	06/19/01	8.43		799.16
	09/24/01	10.50		797.09
	12/05/01	10.98		796.61
03/19/02	8.10		799.49	

Table #4

GROUNDWATER ELEVATIONS
N.W. Mauthe Superfund Site - Appleton, Wisconsin
MCO No. M0050-930746.26

Well Name	Date Measured	Depth To Water (feet)	Reference Elevation (To Top PVC) (feet)	Groundwater Elevation (feet)
MW-101 (continued)	06/20/02	7.08		800.51
	09/18/02	10.23		797.36
	12/17/02	12.47		795.12
	03/24/03	10.00		797.59
	06/10/03	7.41		800.18
	09/10/03	9.53		798.06
	12/10/03	8.31		799.28
	03/23/04	5.95		801.64
	07/09/04	7.84		799.75
	09/21/04	10.50		797.09
	03/29/05	9.00		798.59
	06/20/05	9.28		798.31
	09/21/05	9.64		797.95
	12/14/05	8.93		798.66
	03/21/06	8.10		799.49
	06/28/06	8.88		798.71
	09/20/06	8.90		798.69
	12/19/06	8.95		798.64
	03/13/07	8.73		798.86
	07/03/07	7.39		800.20
09/27/07	7.31		800.28	
MW-102	02/01/97	-		780.72
	05/01/97	-		780.89
	09/01/97	-		780.79
	12/01/97	-	804.45	780.95
	03/01/98	-		780.47
	06/01/98	-		780.72
	10/27/98	24.11		780.34
	02/08/99	23.84		780.61
	06/08/99	23.59		780.86
	09/13/99	23.70		780.75
	12/15/99	24.27		780.18
	03/13/00	24.00		780.45
	06/22/00	23.69		780.76
	09/27/00	23.65		780.80
	12/19/00	24.06		780.39
	03/01/01	26.01		778.44
	06/19/01	23.35		781.10
	09/24/01	23.88		780.57
	12/05/01	24.08		780.37
	03/19/02	23.75		780.70
	06/20/02	23.05		781.40
	09/18/02	24.50		779.95
	12/17/03	25.30		779.15
	03/24/03	23.80		780.65
	06/10/03	23.09		781.36
	09/10/03	23.98	804.37 ***	780.39
	12/10/03	23.22		781.15
	03/23/04	23.56		780.81
	07/09/04	23.52		780.85
	09/21/04	24.65		779.72
03/29/04	21.24		783.13	
06/20/05	23.81		780.56	
09/21/05	24.71		779.66	
12/14/05	24.25		780.12	
03/21/06	23.39		780.98	
06/28/06	23.95		780.42	
09/20/06	25.15		779.22	
12/19/06	25.26		779.11	
03/13/07	24.41		779.96	
07/03/07	23.89		780.48	
09/27/07	24.38		779.99	
MW-103	02/01/97	-		795.29
	05/01/97	-		791.83
	09/01/97	-		789.60
	12/01/97	-	803.74	787.78
	03/01/98	-		791.03
	06/01/98	-		789.13
	10/27/98	11.96		791.78
	02/08/99	10.24		793.50
	06/08/99	8.69		795.05
	09/13/99	9.79		793.95

Table #4

GROUNDWATER ELEVATIONS
N.W. Mauthe Superfund Site - Appleton, Wisconsin
MCO No. M0050-930746.26

Well Name	Date Measured	Depth To Water (feet)	Reference Elevation (To Top PVC) (feet)	Groundwater Elevation (feet)
MW-103 (continued)	12/15/99	12.68		791.06
	03/13/00	9.63		794.07
	06/22/00	8.22		795.52
	09/27/00	7.76		795.98
	12/19/00	10.78		792.96
	03/01/01	9.15		794.59
	06/19/01	5.52		798.22
	09/24/01	9.80		793.94
	12/05/01	11.13		792.61
	03/19/02	4.96		798.78
	06/20/02	7.42		796.32
	09/18/02	9.00		794.74
	12/17/02	13.01		790.73
	03/24/03	7.63		796.11
	06/10/03	7.77		795.97
	09/10/03	9.60		794.14
	12/10/03	8.09		795.65
	03/23/04	4.01		797.73
	07/09/04	12.91		790.83
	09/21/04	10.30		793.44
	03/29/05	NR		—
	06/20/05	9.55		794.19
	09/21/05	9.70		794.04
	12/14/05	10.40		793.34
	03/21/06	7.87		795.87
	06/28/06	9.75		793.99
	09/20/06	11.23		792.51
	12/20/06	10.36		793.38
	03/13/07	9.91		793.83
07/03/07	9.45		794.29	
09/27/07	9.52		794.22	
MW-104	02/01/97	-		792.94
	05/01/97	-		789.91
	09/01/97	-		798.59
	12/01/97	-	807.28	795.70
	03/01/98	-		799.46
	06/01/98	-		796.60
	10/27/98	10.51		796.77
	02/08/99	9.04		798.24
	06/08/99	7.49		799.79
	09/13/99	10.28		797.00
	12/15/99	10.78		796.50
	03/13/00	9.51		797.77
	06/22/00	8.41		798.88
	09/27/00	8.61		798.67
	12/19/00	10.49		796.79
	03/01/01	8.44		798.84
	06/19/01	7.51		799.71
	09/24/01	10.39		796.89
	12/05/01	10.81		796.47
	03/19/02	7.82		799.46
	06/20/02	8.60		798.68
	09/18/02	12.05		795.23
	12/17/02	12.70		794.58
	03/24/03	12.60		794.68
	06/10/03	8.81		798.47
	09/10/03	11.17		796.11
	12/10/03	8.66		798.62
	03/23/04	7.44		799.84
	09/21/04	15.21		792.07
	03/29/05	11.09		796.19
	06/20/05	9.57		797.71
	09/21/05	18.95		788.33
	12/14/05	9.94		797.34
03/21/06	8.53		798.75	
06/28/06	11.23		796.05	
09/20/06	12.81		794.47	
12/20/06	24.46		782.82	
03/13/07	12.11		795.17	
07/03/07	13.04		794.24	
09/27/07	21.47		785.81	

Table #4

GROUNDWATER ELEVATIONS
N.W. Mauthe Superfund Site - Appleton, Wisconsin
MCO No. M0050-930746.26

Well Name	Date Measured	Depth To Water (feet)	Reference Elevation (To Top PVC) (feet)	Groundwater Elevation (feet)
MW-105	02/01/97	-		793.74
	05/01/97	-		800.60
	09/01/97	-		800.37
	12/01/97	-	803.96	799.03
	03/01/98	-		800.08
	06/01/98	-		800.50
	10/27/98	5.41		798.55
	02/08/99	6.46		797.50
	06/08/99	3.04		800.92
	09/13/99	4.60		799.36
	12/15/99	5.28		798.68
	03/13/00	4.97		798.99
	06/22/00	3.06		800.90
	09/27/00	3.38		800.58
	12/19/00	5.28		798.68
	03/01/01	7.24		796.72
	06/19/01	2.43		801.53
	09/24/01	3.87		800.09
	12/05/01	5.55		798.41
	03/19/02	3.94		800.02
	06/20/02	4.08		799.88
	09/18/02	5.40		798.56
	12/17/02	7.34		796.62
	03/24/03	6.81		797.15
	06/10/03	4.27		799.69
	09/10/03	4.88	803.84 ***	798.96
	12/10/03	4.36		799.24
	03/23/04	3.80		800.04
	07/09/04	3.61	803.74 ****	800.13
	09/21/04	4.92		798.82
	03/29/05	3.85		799.89
	06/20/05	4.15		799.59
	09/21/05	4.70		799.04
12/14/05	5.25		798.49	
03/21/06	4.26		799.48	
06/28/06	4.81	803.54 *****	798.73	
09/20/06	4.51		799.03	
12/19/06	5.40		798.14	
03/13/07	6.46	803.46*****	797.08	
07/03/07	4.30		799.16	
09/27/07	3.81		799.65	
MW-106	02/01/97	-		794.75
	05/01/97	-		797.23
	09/01/97	-		796.91
	12/01/97	-	804.08	795.48
	03/01/98	-		797.37
	06/01/98	-		796.76
	10/27/98	8.12		795.96
	02/08/99	9.75		794.33
	06/08/99	6.72		797.36
	09/13/99	7.88		796.20
	12/15/99	8.71		795.37
	03/13/00	8.72		795.36
	06/22/00	6.87		797.21
	09/27/00	7.41		796.67
	12/19/00	8.55		795.53
	03/01/01	9.54		794.54
	06/19/01	6.30		797.78
	09/24/01	7.57		796.51
	12/05/01	8.72		795.36
	03/19/02	7.64		796.44
	06/20/02	7.21		796.87
	09/18/02	7.88		796.20
	12/17/02	10.49		793.59
	03/24/03	9.98		794.10
	06/10/03	7.54		796.54
09/10/03	7.35	804.00 ***	796.65	
12/10/03	7.18		796.82	
03/23/04	7.54		796.46	
07/09/04	6.48	803.90 ****	797.42	
09/21/04	8.02		795.88	

Table #4

GROUNDWATER ELEVATIONS
N.W. Mauthe Superfund Site - Appleton, Wisconsin
MCO No. M0050-930746.26

Well Name	Date Measured	Depth To Water (feet)	Reference Elevation (To Top PVC) (feet)	Groundwater Elevation (feet)	
MW-106 (continued)	03/29/05	8.26		795.64	
	06/20/05	7.31		796.59	
	09/21/05	7.85		796.05	
	12/14/05	8.47		795.43	
	03/21/06	7.41		796.49	
	06/28/06	7.78	803.83 *****	796.05	
	09/20/06	7.90		795.93	
	12/19/06	8.39		795.44	
	03/13/07	9.08		794.75	
	07/03/07	7.35		796.48	
	09/27/07	6.92		796.91	
	MW-107	02/01/97	-		788.23
		05/01/97	-		796.60
09/01/97		-		797.64	
12/01/97		-	809.01	796.49	
03/01/98		-		796.68	
06/01/98		-		796.31	
10/27/98		10.71		798.30	
02/08/99		11.11		797.90	
06/08/99		11.04		797.97	
09/13/99		11.55		797.46	
12/15/99		11.66		797.35	
03/13/00		11.13		797.88	
06/22/00		10.69		798.32	
09/27/00		12.36		796.65	
12/19/00		7.32		799.29	
03/01/01 *		-		-	
06/19/01		10.10	809.06 **	798.96	
09/24/01		11.23		797.88	
12/05/01		11.59		797.47	
03/19/02		9.79		799.27	
06/20/02		10.18		798.88	
09/18/02		11.16		797.90	
12/17/02		12.11		796.95	
03/24/03		12.46		796.60	
06/10/03		10.40		798.66	
09/10/03		11.34		797.72	
12/10/03		10.88		798.18	
03/23/04		9.04		800.02	
07/09/04		11.53		797.53	
09/21/04		12.55		796.51	
03/29/05		10.48		798.58	
06/20/05		11.14		797.92	
09/21/05		11.69		797.37	
12/14/05	11.10		797.96		
03/21/06	10.09		798.97		
06/28/06	11.69		797.37		
09/20/06	12.14		796.92		
12/19/06	11.45		797.61		
03/13/07	10.95		798.11		
07/03/07	11.34		797.72		
09/27/07	10.86		798.20		
MW-108	02/01/97	-		798.36	
	05/01/97	-		793.32	
	09/01/97	-		790.53	
	12/01/97	-	806.61	788.65	
	03/01/98	-		795.59	
	06/01/98	-		789.30	
	10/27/98	6.98		799.63	
	02/08/99	6.72		799.89	
	06/08/99	5.80		800.81	
	09/13/99	6.68		799.93	
	12/15/99	6.87		799.74	
	03/13/00	6.84		799.77	
	06/22/00	6.28		800.33	
	09/27/00	6.31		800.30	
	12/19/00	11.42		797.59	
	03/01/01	7.04		799.57	
	06/19/01	5.87		800.74	
09/24/01	6.52		800.09		
12/05/01	7.70		798.91		

Table #4

GROUNDWATER ELEVATIONS
N.W. Mauthe Superfund Site - Appleton, Wisconsin
MCO No. M0050-930746.26

Well Name	Date Measured	Depth To Water (feet)	Reference Elevation (To Top PVC) (feet)	Groundwater Elevation (feet)
MW-108 (continued)	03/19/02	6.25		800.36
	06/20/02	6.43		800.18
	09/18/02	6.72		799.89
	12/17/02	7.78		798.83
	03/24/03	8.69		797.96
	06/10/03	7.00		799.61
	09/10/03	6.91		799.70
	12/10/03	5.18		801.43
	03/23/04	6.24		800.37
	07/09/04	6.12		800.49
	09/21/04	6.91		799.70
	03/29/05	6.64		799.97
	06/20/05	6.78		799.83
	09/21/05	6.66		799.95
	12/14/05	6.68		799.93
	03/21/06	6.71		799.90
	06/28/06	6.82		799.79
09/20/06	6.75		799.86	
12/19/06	6.90		799.71	
03/13/07	6.75		799.86	
07/03/07	7.53		799.08	
09/27/07	6.55		800.06	
MW-109	06/21/06	8.98	810.52	801.54
	09/20/06	8.90		801.62
	12/19/06	9.68		800.84
	03/13/07	9.32		801.20
	07/03/07	9.11		801.41
	09/27/07	8.08		802.44
MW-110	06/21/06	10.39	809.81	799.42
	09/20/06	11.09		798.72
	12/19/06	11.06		798.75
	03/13/07	11.04		798.77
	07/03/07	10.60		799.21
	09/27/07	10.33		799.48
MW-111	06/21/06	10.69	807.59	796.90
	09/20/06	13.45		794.14
	12/19/06	14.97		792.62
	03/13/07	9.63		797.96
	07/03/07	9.00		798.59
	09/27/07	8.66		798.93
MW-112	06/21/06	15.70	808.14	792.44
	09/20/06	10.75		797.39
	12/19/06	11.93		796.21
	03/13/07	10.23		797.91
	07/03/07	8.91		799.23
	09/27/07	9.01		799.13
MW-113	06/21/06	9.69	808.24	798.55
	09/20/06	10.27		797.97
	12/19/06	10.03		798.21
	03/13/07	8.93		799.31
	07/03/07	9.75		798.49
	09/27/07	9.67		798.57
PZ-05	07/19/05	37.39	810.88	773.49
	09/21/05	28.56		782.32
	12/19/06	27.98		782.90
	03/13/07	28.61		782.27
	07/03/07	28.00		782.88
	09/27/07	28.06		782.82
PZ-06	07/19/05	36.31	809.77	773.46
	09/21/05	29.79		779.98
	12/19/06	29.49		780.28
	03/13/07	29.93		779.84
	07/03/07	30.03		779.74
	09/27/07	29.54		780.23
PZ-07	07/19/05	32.03	804.48	772.45
	09/21/05	27.34		777.14
	12/19/06	29.37		775.11
	03/13/07	24.41		780.07
	07/03/07	23.74		780.74
	09/27/07	25.15		779.33

Table #4

GROUNDWATER ELEVATIONS
N.W. Mauthe Superfund Site - Appleton, Wisconsin
MCO No. M0050-930746.26

Well Name	Date Measured	Depth To Water (feet)	Reference Elevation (To Top PVC) (feet)	Groundwater Elevation (feet)
PZ-08	07/19/05	32.07	804.35	772.28
	09/21/05	24.47		779.88
	12/19/06	28.16		776.19
	03/13/07	21.90		782.45
	07/03/07	23.19		781.16
	09/27/07	22.47		781.88

- * Casing for MW-107 was damaged. Groundwater elevation could not be determined.
- ** Reflects new elevation of MW-107 after repair to well casing.
- *** Monitoring wells re-surveyed after casings were shortened.
- **** New elevation after the PVC casing was shortened after the March 23, 2004 sampling event.
- ***** New elevation after the PVC casing was shortened after the March 21, 2006 sampling event.
- ***** New elevation after PVC casing was shortened after the December 19, 2006 sampling event.

Note: Omni Associates, Inc. collected water level readings from MW-109 to MW-113 on June 21, 2006 and September 20, 2006 and from PZ-5 to PZ-8 on July 19, 2005 and September 21, 2005.

Table #5

GROUNDWATER GEOCHEMICAL PARAMETERS

N.W. Mauthe Superfund Site - Appleton, Wisconsin

MCO No. M0050-930746.26

Well Name	Sample Date	Purge* Volume (gallons)	pH (units)	Temperature (degree C)	Conductivity (units as shown)	Dissolved Oxygen (ppm)	Redox (mV)	Alkalinity (gpg)	Ferrous Iron (mg/l)
W-2	02/20/97	NR	8.00	6.00	750 us	NA	NA	NA	NA
	05/27/97	NR	7.74	10.10	NA	NA	NA	NA	NA
	09/18/97	NR	7.01	14.50	910 us	NA	NA	NA	NA
	12/12/97	NR	7.33	9.50	820 us	NA	NA	NA	NA
	03/25/98	NR	7.96	7.90	1235 us	NA	NA	NA	NA
	06/10/98	NR	6.59	10.20	1057 us	NA	NA	NA	NA
	10/27/98	4.00	7.93	14.80	1278 us	1.40	119.00	12.00	0.00
	02/09/99	4.00	8.47	9.50	1278 us	2.10	146.00	16.00	0.20
	06/08/99	4.00	7.20	14.60	1234 us	1.00	85.00	11.20	1.00
	09/13/99	5.10	7.34	15.00	1254 us	1.90	(136.00)	9.60	0.00
	12/15/99	4.80	7.77	11.80	1199 us	1.50	(231.00)	4.80	0.00
	03/13/00	7.00	6.17	8.90	1278 us	1.30	59.00	7.60	0.00
	06/22/00	4.40	7.86	12.10	1240 us	1.50	59.00	7.60	0.00
	09/27/00	6.60	6.39	16.40	1140 us	1.90	(187.00)	9.60	0.00
	12/19/00	5.00	7.66	9.50	1171 us	1.85	(161.00)	11.20	0.00
	03/01/01	3.50	7.42	10.50	1084 us	1.41	(222.00)	9.20	0.00
	06/19/01	7.00	7.81	15.60	1980 us	1.10	(18.00)	8.40	0.00
	09/24/01	5.00	7.48	13.40	1712 us	0.90	(38.00)	6.60	0.00
	12/05/01	5.00	7.51	10.20	1244 us	1.10	(71.00)	9.60	0.00
	03/19/02	6.00	7.51	10.60	977 us	1.10	(210.00)	13.20	0.00
	06/20/02	6.00	7.40	15.00	1870 us	0.80	(88.00)	8.80	0.00
	09/18/02	5.00	7.18	14.80	1138 us	1.00	(99.00)	10.40	0.00
	12/17/02	4.00	7.34	10.30	1187 us	1.00	(103.00)	9.60	0.00
	03/24/03	4.00	7.30	10.30	1077 us	1.00	(310.00)	10.00	0.00
	06/10/03	6.00	7.21	14.90	1620 us	1.00	(110.00)	12.80	0.00
	09/10/03	4.00	7.09	14.60	1210 us	0.80	(111.00)	8.80	0.00
	03/24/04	4.50	7.30	7.40	1210 us	EM	6.00	NA	0.00
	03/29/05	4.50	7.20	6.30	1182 us	3.40	85.00	NA	0.00
	03/23/06	7.00	6.60	10.50	2470 us	2.65	191.00	NA	0.03
	03/27/07	4.0	7.4	9.0	1240 us	8.0	243	NA	0.04
W-8	02/20/97	NR	8.20	7.50	1000 us	NA	NA	NA	NA
	05/27/97	NR	7.30	10.40	NA	NA	NA	NA	NA
	09/18/97	NR	7.07	17.00	1250 us	NA	NA	NA	NA
	12/12/97	NR	7.32	11.20	1090 us	NA	NA	NA	NA
	03/25/98	NR	7.34	7.90	1590 us	NA	NA	NA	NA
	06/10/98	NR	6.95	11.50	1407 us	NA	NA	NA	NA
	10/27/98	5.00	7.42	16.70	1459 us	1.30	97.00	14.40	0.20
	02/09/99	3.90	8.08	11.20	1386 us	1.30	21.00	8.00	2.40
	06/08/99	5.50	7.23	14.80	1283 us	1.80	85.00	14.00	5.60
	09/13/99	5.20	7.12	16.30	1363 us	1.70	(143.00)	14.40	1.60
	12/15/99	5.10	7.25	10.30	1375 us	0.90	(288.00)	14.40	1.20
	03/13/00	5.00	7.06	8.80	1277 us	1.10	(33.00)	8.40	1.00
	06/22/00	4.80	8.58	14.60	1177 us	1.97	(120.00)	6.80	0.00
	09/27/00	6.00	7.60	18.10	1098 us	1.50	(178.00)	10.00	0.00
	12/19/00	4.00	7.67	8.30	1227 us	1.14	(267.00)	11.60	0.00
	03/01/01	5.00	7.51	11.10	1175 us	1.20	(311.00)	11.20	0.00
	06/19/01	6.00	7.93	14.80	1310 us	0.80	(24.00)	6.20	0.00
	09/24/01	6.00	7.37	13.10	1177 us	0.40	4.00	6.40	0.00
	12/05/01	5.00	7.30	10.40	1288 us	1.00	(163.00)	12.40	0.00
	03/19/02	6.00	7.44	10.90	1044 us	1.30	(280.00)	11.20	0.00
	06/20/02	6.00	7.51	14.20	1240 us	0.80	(90.00)	6.20	0.00
	09/18/02	5.00	7.31	15.60	1221 us	1.30	(104.00)	14.60	1.00
	12/17/03	3.00	7.28	10.60	1,155	1.10	(172.00)	12.40	0.40
	03/24/03	5.00	7.18	10.60	1131 us	0.80	(342.00)	11.20	0.00
	06/10/03	4.00	7.30	15.00	1133 us	0.80	(121.00)	8.80	0.00
	09/10/03	5.00	7.22	15.00	1240 us	1.00	(175.00)	11.60	0.80
	03/24/04	4.30	7.40	7.80	755 us	EM	(47.00)	NA	0.00
	03/29/05	4.00	7.10	7.80	1743 us	3.43	87.00	NA	0.00
	03/23/06	4.00	7.20	8.30	2560 us	4.00	227.00	NA	0.00
	03/27/07	3.0	7.3	10.3	1438 us	6.71	237	NA	0.03

Table #5

GROUNDWATER GEOCHEMICAL PARAMETERS

N.W. Mauthe Superfund Site - Appleton, Wisconsin
MCO No. M0050-930746.26

Well Name	Sample Date	Purge* Volume (gallons)	pH (units)	Temperature (degree C)	Conductivity (units as shown)	Dissolved Oxygen (ppm)	Redox (mV)	Alkalinity (gpg)	Ferrous Iron (mg/l)
W-15	02/20/97	NR	8.15	9.00	920 us	NA	NA	NA	NA
	05/27/97	NR	7.66	10.00	NA	NA	NA	NA	NA
	09/18/97	NR	7.22	16.00	1300 us	NA	NA	NA	NA
	12/12/97	NR	7.18	10.40	1180 us	NA	NA	NA	NA
	03/25/98	NR	7.70	8.40	1450 us	NA	NA	NA	NA
	06/10/98	NR	6.46	11.60	1496 us	NA	NA	NA	NA
	10/27/98	4.00	7.27	16.00	1551 us	0.80	137.00	14.40	0.00
	02/09/99	2.60	8.07	10.00	1418 us	1.30	7.00	12.00	0.60
	06/08/99	4.50	7.54	16.70	1465 us	1.50	75.00	12.00	1.40
	09/13/99	3.60	7.18	17.60	1647 us	1.90	(137.00)	10.40	0.80
	12/15/99	3.30	7.52	11.70	1544 us	1.50	(281.00)	12.40	1.00
	03/13/00	4.00	7.14	8.90	1266 us	1.40	(19.00)	7.60	0.40
	06/22/00	3.00	8.22	14.90	1546 us	1.63	36.00	7.30	0.00
	09/27/00	5.00	5.43	17.40	1711 us	1.30	(41.00)	12.40	0.00
	12/19/00	3.00	7.55	8.90	1628 us	3.23	(305.00)	15.20	1.60
	03/01/01	4.00	7.43	10.90	1435 us	2.10	(381.00)	16.00	0.80
	06/19/01	5.00	8.18	14.80	1380 us	1.40	(64.00)	6.00	0.00
	09/24/01	5.00	7.22	12.60	1160 us	1.00	(49.00)	8.00	0.00
	12/05/01	3.00	7.28	9.90	1544 us	2.00	(280.00)	12.80	1.20
	03/19/02	5.00	7.58	10.30	1284 us	1.80	(318.00)	12.20	0.40
	06/20/02	5.00	8.00	14.60	1280 us	1.00	(180.00)	12.40	0.00
	09/18/02	5.00	7.20	16.30	1399 us	1.60	(152.00)	13.60	0.40
	12/17/02	3.00	7.18	10.00	1234 US	2.00	(220.00)	8.80	1.00
	03/24/03	3.00	7.22	10.60	1294 us	1.40	(330.00)	12.40	0.20
	06/10/03	5.00	7.76	14.80	1148 us	1.20	(174.00)	11.20	0.00
09/10/03	5.00	7.18	15.40	1317 us	1.20	(170.00)	10.40	0.60	
03/24/04	3.70	7.30	8.40	1516 us	EM	(32.00)	NA	0.00	
03/29/05	3.00	7.00	8.20	2240 us	3.81	85.00	NA	0.00	
03/23/06	4.00	7.00	7.50	1952 us	4.40	236.00	NA	0.00	
03/28/07	3.0	7.3	9.0	1420 us	3.28	213	NA	0.01	
MW-101	02/20/97	NR	7.12	8.00	1400 us	NA	NA	NA	NA
	05/27/97	NR	7.56	12.90	NA	NA	NA	NA	NA
	09/18/97	NR	6.54	14.00	1380 us	NA	NA	NA	NA
	12/12/97	NR	6.64	11.40	1390 us	NA	NA	NA	NA
	03/25/98	NR	7.58	10.50	2142 us	NA	NA	NA	NA
	06/10/98	NR	6.29	11.50	2116 us	NA	NA	NA	NA
	10/27/98	9.00	7.13	14.10	2.27 ms	0.50	116.00	12.00	0.00
	02/09/99	7.00	8.11	12.70	2.11 ms	1.10	165.00	8.80	0.20
	06/08/99	6.00	7.05	15.00	2.17 ms	0.70	161.00	8.00	0.20
	09/13/99	5.90	7.25	14.90	2.12 ms	0.90	(125.00)	13.60	0.00
	12/15/99	6.00	8.71	12.70	2.06 ms	1.00	(262.00)	8.80	0.00
	03/13/00	7.00	6.34	11.60	1939 us	1.10	44.00	8.00	0.00
	06/22/00	5.00	7.73	15.20	2.25 ms	0.96	50.00	8.00	0.00
	09/27/00	8.50	6.80	15.50	2.18 ms	0.70	3.00	12.80	0.00
	12/19/00	10.50	7.12	11.90	2.18 ms	1.48	(233.00)	14.40	0.00
	03/01/01	8.00	7.41	11.00	2.31 ms	1.32	(283.00)	12.20	0.00
	06/19/01	9.00	8.04	13.60	1265 us	1.00	10.00	7.20	0.00
	09/24/01	8.00	7.79	13.40	1304 us	1.00	(11.00)	11.20	0.00
	12/05/01	9.00	7.40	11.20	2240 us	1.20	(304.00)	8.40	0.00
	03/19/02	9.00	7.36	10.80	1984 us	1.40	(210.00)	12.20	0.00
	06/20/02	10.00	7.93	13.80	1190 us	0.80	(30.00)	14.00	0.00
	09/18/02	10.00	7.24	15.00	2248 us	0.80	(113.00)	8.80	0.00
	12/17/02	8.00	7.27	11.40	1988 us	1.60	(334.00)	8.40	0.00
	03/24/03	9.00	7.45	11.10	1033 us	0.60	(190.00)	11.20	0.00
	06/10/03	10.00	7.66	14.00	1121 us	1.00	(61.00)	13.20	0.00
09/10/03	8.00	7.30	14.80	2104 us	0.80	(124.00)	7.20	0.00	
03/24/04	6.70	6.90	10.10	3160 us	EM	(69.00)	NA	0.00	
03/29/05	6.00	6.60	12.12	4730 us	1.27	83.00	NA	0.00	
03/23/06	7.00	6.60	10.50	2470 us	2.65	191.00	NA	0.03	
03/27/07	5	6.70	13.3	2440 us	3.64	187	NA	0.00	

Table #5

GROUNDWATER GEOCHEMICAL PARAMETERS

N.W. Mauthe Superfund Site - Appleton, Wisconsin
MCO No. M0050-930746.26

Well Name	Sample Date	Purge* Volume (gallons)	pH (units)	Temperature (degree C)	Conductivity (units as shown)	Dissolved Oxygen (ppm)	Redox (mV)	Alkalinity (gpg)	Ferrous Iron (mg/l)
MW-102	02/20/97	NR	8.00	10.50	700 us	NA	NA	NA	NA
	05/27/97	NR	7.47	10.50	NA	NA	NA	NA	NA
	09/18/97	NR	6.99	13.00	810 us	NA	NA	NA	NA
	12/12/97	NR	7.23	8.50	690 us	NA	NA	NA	NA
	03/25/98	NR	7.68	10.20	1145 us	NA	NA	NA	NA
	06/10/98	NR	6.97	10.30	1046 us	NA	NA	NA	NA
	10/27/98	2.00	8.07	13.00	1197 us	1.50	103.00	17.60	0.40
	02/09/99	0.50	7.48	11.00	1164 us	1.00	0.33	14.40	0.00
	06/08/99	0.50	7.89	18.60	1226 us	1.00	151.00	4.80	0.80
	09/13/99	0.50	7.84	13.30	1208 us	1.20	(246.00)	10.00	1.20
	12/15/99	0.50	7.78	9.00	1152 us	1.60	(288.00)	10.80	1.00
	03/13/00	0.50	6.74	9.70	1096 us	1.20	(260.00)	6.80	0.00
	06/22/00	0.50	8.01	12.30	1233 us	0.53	(13.00)	6.00	0.00
	09/27/00	0.50	8.25	12.50	1182 us	1.90	(241.00)	9.20	0.00
	12/19/00	0.50	7.59	8.70	1126 us	1.27	(454.00)	11.60	0.00
	03/01/01	0.50	7.30	10.90	1321 us	1.02	(521.00)	9.20	0.00
	06/19/01	0.50	8.64	13.20	1944 us	0.60	35.00	6.40	0.00
	09/24/01	0.50	7.63	13.40	1622 us	0.80	18.00	7.20	0.00
	12/05/01	0.50	7.59	9.40	1233 us	0.80	(110.00)	12.40	0.00
	03/19/02	0.50	7.41	10.80	1143 us	0.90	(503.00)	9.20	0.50
	06/20/02	0.50	8.18	13.80	1720 us	0.40	4.00	9.60	0.00
	09/18/02	0.50	7.04	13.50	1318 us	1.00	(212.00)	10.80	1.00
	12/17/02	0.50	7.55	10.00	1186 us	0.60	(94.00)	11.20	0.00
	03/24/03	0.50	7.38	10.40	972 us	0.40	(621.00)	8.40	0.00
	06/10/03	0.50	8.01	13.80	1530 us	0.40	(18.00)	8.60	0.00
	09/10/03	0.50	7.10	14.00	1313 us	0.80	(211.00)	8.00	0.80
	03/24/04	2.70	7.20	12.80	1112 us	EM	(26.00)	NA	0.00
	03/29/05	3.00	7.10	12.70	1199 us	2.71	85.00	NA	0.00
	03/23/06	2.00	7.50	9.20	1234 us	5.06	283.00	NA	0.00
	03/27/07	2.0	7.2	12.5	1093 us	1.73	86	NA	0.29
MW-103	02/20/97	NR	6.30	6.00	700 us	NA	NA	NA	NA
	05/27/97	NR	7.67	11.60	NA	NA	NA	NA	NA
	09/18/97	NR	7.21	10.50	1030 us	NA	NA	NA	NA
	12/12/97	NR	7.43	9.00	970 us	NA	NA	NA	NA
	03/25/98	NR	7.82	9.40	1441 us	NA	NA	NA	NA
	06/10/98	NR	6.24	9.90	1356 us	NA	NA	NA	NA
	10/27/98	8.00	7.66	12.70	1566 us	0.70	147.00	12.00	0.20
	02/09/99	7.80	7.48	9.90	1443 us	1.40	53.00	11.20	0.80
	06/08/99	9.50	7.42	13.90	1350 us	0.70	109.00	7.20	0.00
	09/13/99	4.10	7.41	12.90	985 us	1.60	(165.00)	12.00	0.00
	12/15/99	4.60	7.82	10.60	2.58 ms	1.40	(294.00)	10.80	0.00
	03/13/00	4.00	6.57	9.40	1292 us	1.00	76.00	8.40	0.40
	06/22/00	4.00	8.43	11.50	1354 us	0.99	(90.00)	6.00	0.00
	09/27/00	11.00	7.48	13.70	1131 us	1.40	(302.00)	7.60	0.00
	12/19/00	9.00	7.90	6.60	1063 us	1.56	(344.00)	9.20	0.40
	03/01/01	8.50	7.68	11.20	1160 us	1.88	(374.00)	8.00	0.60
	06/19/01	13.00	7.81	14.10	1848 us	1.10	(28.00)	7.40	0.00
	09/24/01	2.00	7.32	12.70	1743 us	1.00	(47.00)	12.00	0.00
	12/05/01	11.00	7.18	9.00	1121 us	1.40	(291.00)	10.80	0.60
	03/19/02	11.00	7.60	11.40	1050 us	1.50	(311.00)	10.00	0.40
	06/20/02	12.00	7.47	14.40	1830 us	0.80	(62.00)	10.80	0.00
	09/18/02	10.00	7.18	13.00	748 us	1.40	(170.00)	11.20	0.00
	12/17/02	8.00	7.22	9.60	1134 us	1.20	(284.00)	10.00	0.40
	03/24/03	11.00	7.54	11.00	1262 us	1.20	(320.00)	10.00	0.60
	06/10/03	10.00	7.13	14.10	1644 us	0.60	(80.00)	10.00	0.20
	09/10/03	10.00	7.14	13.20	920 us	1.00	(165.00)	10.40	0.00
	12/10/03	10.00	7.28	10.40	1210 us	0.80	(310.00)	7.80	0.20
	03/24/04	8.60	7.30	10.20	656 us	EM	(126.00)	NA	0.00
	07/09/04	5.00	7.20	14.00	996 us	16.30	283.00	NA	0.00
	09/21/04	1.50	7.10	20.10	1004 us	EM	(19.00)	NA	0.00
	03/29/05	12.00	7.00	10.20	1164 us	1.16	84.00	NA	0.00
	06/21/05	7.00	7.10	13.30	1253 us	1.46	142.00	NA	0.00
	09/21/05	10.00	7.30	13.50	1233 us	3.40	225.00	NA	0.00
	12/14/05	7.00	7.20	9.90	1295 us	1.53	NA	NA	0.00

Table #5

GROUNDWATER GEOCHEMICAL PARAMETERS

N.W. Mauthe Superfund Site - Appleton, Wisconsin
MCO No. M0050-930746.26

Well Name	Sample Date	Purge* Volume (gallons)	pH (units)	Temperature (degree C)	Conductivity (units as shown)	Dissolved Oxygen (ppm)	Redox (mV)	Alkalinity (gpg)	Ferrous Iron (mg/l)
MW-103 (cont.)	03/23/06	7.00	7.00	11.50	1140 us	230.00	252.00	NA	0.00
	06/28/06	5.00	7.10	11.80	746 us	2.75	232.00	NA	0.00
	12/20/06	8.00	7.40	10.80	1207 us	2.89	241.00	NA	0.23
	03/28/07	8.0	7.2	10.8	1075 us	3.09	238.0	NA	0.05
	07/03/07	8.0	7.4	11.3	1154 us	3.54	126.0	NA	0.38
	09/28/07	8.0	7.2	13.7	1294 us	3.14	217.0	NA	0.00
MW-104	02/20/97	NR	7.43	8.00	1000 us	NA	NA	NA	NA
	05/27/97	NR	8.00	12.00	NA	NA	NA	NA	NA
	09/18/97	NR	7.13	10.50	1030 us	NA	NA	NA	NA
	12/12/97	NR	7.10	9.60	1000 us	NA	NA	NA	NA
	03/25/98	NR	7.94	8.30	1378 us	NA	NA	NA	NA
	06/10/98	NR	6.53	9.70	1101 us	NA	NA	NA	NA
	10/27/98	8.00	7.84	13.20	1272 us	0.90	103.00	16.40	0.40
	02/09/99	9.50	7.66	10.10	1126 us	1.50	193.00	11.20	0.00
	06/08/99	13.00	6.80	15.60	1259 us	1.60	103.00	6.40	0.00
	09/13/99	13.80	7.08	13.90	1334 us	1.80	(146.00)	10.80	0.00
	12/15/99	11.20	7.68	10.80	1172 us	2.00	(232.00)	11.20	0.00
	03/13/00	16.50	6.91	10.20	1121 us	0.40	69.00	11.20	0.60
	06/22/00	11.00	8.65	11.60	1137 us	0.71	(211.00)	6.80	0.00
	09/27/00	8.00	7.24	12.90	1130 us	1.70	(123.00)	13.20	0.00
	12/19/00	8.00	7.75	8.20	1144 us	1.05	(240.00)	12.40	0.00
	03/01/01	9.50	7.72	10.60	1230 us	0.90	(220.00)	12.40	0.20
	06/19/01	13.00	7.91	12.90	1581 us	0.80	(110.00)	6.80	0.00
	09/24/01	8.00	7.18	12.40	1580 us	0.80	(99.00)	9.60	0.20
	12/05/01	7.00	7.22	9.90	1300 us	1.00	(311.00)	9.60	0.00
	03/19/02	10.00	7.70	10.60	1110 us	0.70	(210.00)	11.60	0.20
	06/20/02	10.00	7.53	13.00	1420 us	0.80	(174.00)	12.40	0.20
	09/18/02	9.00	7.03	14.60	1275 us	1.60	(148.00)	12.40	0.00
	12/17/02	8.00	7.31	10.00	1264 us	0.80	(294.00)	8.80	0.00
	03/24/03	8.00	7.61	10.40	1031 us	0.80	(240.00)	10.80	0.00
	06/10/03	10.00	7.40	15.00	1374 us	0.60	(91.00)	11.20	0.40
	09/10/03	9.00	7.08	14.20	1144 us	1.20	(151.00)	8.80	0.00
	12/01/03	8.00	7.35	10.10	1177 us	0.80	(280.00)	8.80	0.00
	03/24/04	13.60	7.30	9.90	1496 us	EM	(91.00)	NA	0.00
	07/09/04	5.00	7.00	12.00	1648 us	2.90	EM	NA	0.00
	09/21/04	1.00	7.00	13.10	1648 us	EM	1.00	NA	0.00
	03/29/05	6.00	7.00	10.20	1939 us	2.69	86.00	NA	0.00
	06/21/05	7.00	7.10	12.50	1999 us	3.50	125.00	NA	0.00
	09/21/05	7.00	7.10	13.80	1926 us	2.78	213.00	NA	0.00
	12/14/05	7.00	6.90	10.90	2320 us	2.11	253.00	NA	NA **
	03/23/06	10.00	6.90	10.60	2250 us	1.73	209.00	NA	0.00
	06/28/06	5.00	6.80	11.30	2290 us	1.40	215.00	NA	0.26
	12/20/06	8.00	7.10	11.90	2120 us	2.08	248.00	NA	0.00
	03/28/07	8.0	6.9	10.1	2450 us	3.80	226.0	NA	0.07
	07/03/07	6.0	7.1	11.5	2180 us	1.51	247.0	NA	0.61
	09/28/07	6.0	6.9	14.7	2380 us	2.22	266.0	NA	0.05
MW-105	02/20/97	NR	7.70	7.00	1600 us	NA	NA	NA	NA
	05/27/97	NR	7.44	10.50	NA	NA	NA	NA	NA
	09/18/98	NR	6.89	16.00	2150 us	NA	NA	NA	NA
	12/12/97	NR	7.04	12.00	2050 us	NA	NA	NA	NA
	03/25/98	NR	7.35	6.70	2878 us	NA	NA	NA	NA
	06/10/98	NR	6.25	11.10	2695 us	NA	NA	NA	NA
	10/27/98	5.00	7.57	16.80	2.87 ms	0.10	121.00	13.60	0.00
	02/09/99	5.90	7.34	10.60	2.76 ms	0.90	281.00	16.80	1.80
	06/08/99	5.00	7.32	17.80	2.87 ms	0.70	90.00	9.60	0.20
	09/13/99	3.50	7.00	17.20	2.74 ms	1.70	(182.00)	13.20	1.40
	12/15/99	3.60	7.36	13.00	2.62 ms	1.60	(255.00)	8.80	1.20
	03/13/00	4.50	6.58	8.40	2430 us	1.30	23.00	9.60	0.80
	06/22/00	3.20	8.44	14.30	2.71 ms	0.88	(304.00)	6.40	0.00
	09/27/00	6.00	6.62	17.90	2.53 ms	1.10	(198.00)	12.80	0.00
	12/19/00	6.00	7.42	9.60	2.32 ms	2.27	(167.00)	12.40	0.00
	03/01/01	5.00	7.24	10.80	2.45 ms	1.89	(184.00)	11.60	0.00
	06/19/01	7.00	8.19	12.80	1877 us	0.60	(200.00)	6.80	0.00
	09/24/01	6.00	7.41	13.80	1809 us	0.80	(183.00)	7.20	0.00
	12/05/01	6.00	7.34	10.00	2148 us	1.80	(188.00)	11.20	0.20

Table #5

GROUNDWATER GEOCHEMICAL PARAMETERS

N.W. Mauthe Superfund Site - Appleton, Wisconsin

MCO No. M0050-930746.26

Well Name	Sample Date	Purge* Volume (gallons)	pH (units)	Temperature (degree C)	Conductivity (units as shown)	Dissolved Oxygen (ppm)	Redox (mV)	Alkalinity (gpg)	Ferrous Iron (mg/l)
MW-105 (cont.)	03/19/02	5.00	6.94	10.20	1984 us	1.80	(169.00)	9.60	0.00
	06/20/02	6.00	8.04	13.00	1400 us	1.00	(310.00)	10.80	0.00
	09/18/02	6.00	7.21	17.20	2800 us	1.60	(183.00)	10.80	1.60
	12/17/02	5.00	7.08	10.40	2008 us	1.40	(194.00)	13.20	0.40
	03/24/03	5.00	7.04	10.60	1477 us	1.40	(99.00)	14.00	0.00
	06/10/03	6.00	7.81	14.80	1344 us	1.20	(280.00)	8.60	0.00
	09/10/03	6.00	7.30	16.40	2626 us	1.20	(177.00)	10.00	1.20
	03/24/04	4.90	6.80	5.90	2220 us	EM	(78.00)	NA	0.00
	03/29/05	4.00	6.80	8.90	2300 us	2.12	87.00	NA	0.00
	03/23/06	4.00	6.90	8.60	2170 us	3.54	256.00	NA	0.22
	03/27/07	4.0	6.8	9.2	2180 us	3.37	296	NA	0.08
MW-106	02/20/97	NR	7.75	10.00	1000 us	NA	NA	NA	NA
	05/27/97	NR	7.47	10.10	NA	NA	NA	NA	NA
	09/18/97	NR	7.19	15.00	1310 us	NA	NA	NA	NA
	12/12/97	NR	7.06	11.50	1260 us	NA	NA	NA	NA
	03/25/98	NR	7.61	8.70	1716 us	NA	NA	NA	NA
	06/10/98	NR	7.11	11.60	1604 us	NA	NA	NA	NA
	10/27/98	4.00	7.31	16.80	1824 us	1.20	138.00	12.80	0.00
	02/09/99	2.50	7.33	10.20	1605 us	1.10	197.00	20.80	0.00
	06/08/99	3.50	7.15	15.40	1332 us	0.70	17.00	6.40	0.20
	09/13/99	2.30	7.02	17.40	1357 us	1.00	(168.00)	11.60	0.00
	12/15/99	2.00	8.41	12.10	1445 us	0.80	(266.00)	10.00	0.00
	03/13/00	2.50	6.92	9.10	1513 us	1.60	18.00	10.40	0.00
	06/22/00	1.50	8.18	14.50	1736 us	2.02	38.00	7.20	0.00
	09/27/00	6.00	6.84	19.10	1715 us	1.60	(8.00)	12.00	0.00
	12/19/00	4.00	7.48	10.70	1694 us	1.43	(218.00)	10.80	0.00
	03/01/01	4.00	7.33	10.80	1722 us	1.50	(210.00)	9.20	0.00
	06/19/01	4.00	8.28	13.00	1361 us	1.10	(210.00)	6.40	0.00
	09/24/01	6.00	7.66	14.00	1220 us	0.80	(104.00)	11.20	0.00
	12/05/01	4.00	7.60	10.40	1702 us	0.90	(217.00)	12.80	0.00
	03/19/02	5.00	7.13	10.40	1630 us	1.70	(235.00)	9.20	0.00
	06/20/02	5.00	8.08	12.80	1288 us	1.20	(240.00)	8.80	0.00
	09/18/02	5.00	7.30	17.80	1438 us	1.00	(141.00)	8.80	0.00
	12/17/02	3.00	7.15	10.20	1788 us	0.80	(220.00)	11.20	0.00
	03/24/03	3.00	7.22	10.80	1250 us	1.10	(193.00)	10.00	0.00
	06/10/03	5.00	7.84	13.80	1310 us	1.20	(230.00)	10.20	0.00
	09/10/03	5.00	7.24	16.60	1303 us	0.80	(140.00)	12.00	0.00
	03/24/04	1.80	7.10	8.00	1761 us	EM	(57.00)	NA	0.00
	03/29/05	2.50	6.90	9.00	1995 us	2.24	85.00	NA	0.00
	03/23/06	4.00	7.00	9.40	2160 us	4.14	249.00	NA	0.00
	03/27/07	2.00	7.0	8.5	1887 us	5.04	249	NA	0.00
MW-107	02/20/97	NR	7.46	9.00	650 us	NA	NA	NA	NA
	05/27/97	NR	7.12	10.80	NA	NA	NA	NA	NA
	09/18/97	NR	7.07	12.50	700 us	NA	NA	NA	NA
	12/12/97	NR	7.08	10.50	730 us	NA	NA	NA	NA
	03/25/98	NR	7.87	10.20	1081 us	NA	NA	NA	NA
	06/10/98	NR	7.17	10.60	1042 us	NA	NA	NA	NA
	10/27/98	10.00	7.41	12.10	1179 us	1.10	62.00	20.00	10.00
	02/09/99	9.00	8.10	12.00	1189 us	1.30	263.00	7.20	0.40
	06/08/99	9.00	7.48	15.60	1406 us	2.20	163.00	4.80	0.40
	09/13/99	8.00	7.30	12.90	1301 us	2.60	(114.00)	14.00	0.60
	12/15/99	10.00	7.63	11.30	1419 us	2.80	(42.00)	12.40	1.00
	03/13/00	14.50	5.76	10.90	1389 us	1.20	58.00	8.40	0.60
	06/22/00	10.00	8.75	12.40	1574 us	0.62	(120.00)	6.40	0.00
	09/27/00	10.00	7.42	14.20	1505 us	1.60	(114.00)	9.20	0.00
	12/19/00	13.00	7.69	9.50	1524 us	1.21	(38.00)	10.40	0.00
	03/01/01	16.00	7.81	9.90	1704 us	1.31	(93.00)	12.40	0.20
	06/19/01	15.00	7.64	13.40	1221 us	0.80	(80.00)	6.00	0.20
	09/24/01	9.00	7.04	12.40	977 us	0.60	(77.00)	12.00	0.40
	12/05/01	13.00	7.15	9.20	1611 us	0.80	(95.00)	8.40	0.00
	03/19/02	12.00	7.64	10.00	1730 us	1.30	8.00	9.60	0.20
	06/20/02	10.00	7.48	13.60	1304 us	0.60	(110.00)	9.60	0.40
	09/10/02	10.00	7.52	13.10	1403 us	2.00	(104.00)	12.40	0.40
	12/17/02	10.00	7.22	10.40	1593 us	0.80	(110.00)	7.80	0.00
	03/24/03	10.00	7.30	10.30	1362 us	1.00	(48.00)	10.80	0.00

Table #5

GROUNDWATER GEOCHEMICAL PARAMETERS

N.W. Mauthe Superfund Site - Appleton, Wisconsin

MCO No. M0050-930746.26

Well Name	Sample Date	Purge* Volume (gallons)	pH (units)	Temperature (degree C)	Conductivity (units as shown)	Dissolved Oxygen (ppm)	Redox (mV)	Alkalinity (gpg)	Ferrous Iron (mg/l)
MW-107 (cont.)	06/10/03	11.00	7.20	14.00	1277 us	0.80	(200.00)	9.20	1.00
	09/10/03	10.00	7.46	13.30	1121 us	1.30	(99.00)	8.00	0.20
	12/01/03	10.00	7.41	9.80	1360 us	1.00	(98.00)	8.40	0.00
	03/24/04	9.00	7.30	11.10	1704 us	EM	(109.00)	NA	0.00
	07/09/04	6.00	7.30	13.20	1704 us	4.59	166.00	NA	0.00
	09/21/04	3.00	7.10	14.30	1649 us	EM	7.00	NA	0.00
	03/29/05	9.00	7.20	11.50	1749 us	2.83	85.00	NA	0.00
	06/21/05	8.00	7.30	12.70	2010 us	1.85	119.00	NA	0.00
	09/21/05	8.00	7.50	15.20	1594 us	2.92	221.00	NA	0.00
	12/14/05	8.00	7.40	12.30	1708 us	1.80	250.00	NA	0.00
	03/27/06	10.00	7.30	11.90	1726 us	2.65	269.00	NA	0.00
	06/28/06	7.00	7.20	13.40	1696 us	3.76	212.00	NA	0.04
	12/20/06	8.00	7.20	11.80	1655 us	3.83	234.00	NA	0.08
	03/28/07	8.0	7.3	10.4	1599 us	7.14	240	NA	0.01
	07/03/07	7.0	7.5	11.8	1163 us	3.41	258	NA	0.00
	09/28/07	6.0	7.4	13.1	1642 us	2.64	238	NA	0.02
MW-108	02/20/97	NR	8.10	10.00	100 us	NA	NA	NA	NA
	05/27/97	NR	6.02	11.40	NA	NA	NA	NA	NA
	09/18/97	NR	6.51	12.00	1160 us	NA	NA	NA	NA
	12/12/97	NR	6.98	10.40	1130 us	NA	NA	NA	NA
	03/25/98	NR	7.64	10.20	1568 us	NA	NA	NA	NA
	06/10/98	NR	6.54	10.70	1525 us	NA	NA	NA	NA
	10/27/98	10.00	7.95	14.30	1696 us	1.40	116.00	12.80	0.20
	02/09/99	8.10	7.51	11.00	1810 us	1.10	(65.00)	10.40	0.40
	06/08/99	12.50	7.60	15.00	1706 us	0.90	173.00	7.20	0.60
	09/13/99	13.50	7.29	13.60	1849 us	1.20	(180.00)	8.00	0.00
	12/15/99	12.80	7.68	11.80	1885 us	1.00	(286.00)	8.40	0.00
	03/13/00	14.00	6.25	10.20	1642 us	1.70	(4.00)	9.20	0.20
	06/22/00	11.50	7.62	14.10	1989 us	1.01	69.00	6.40	0.00
	09/27/00	12.00	7.43	13.10	1983 us	0.40	(73.00)	10.40	0.00
	12/19/00	10.50	7.60	10.10	2.01 ms	2.18	(184.00)	10.80	0.00
	03/01/01	9.00	7.49	11.20	2.38 ms	2.20	(211.00)	11.60	0.00
	06/19/01	8.00	8.20	13.80	1634 us	0.80	(90.00)	7.00	0.00
	09/24/01	9.00	7.59	14.20	1512 us	0.80	(83.00)	9.60	0.00
	12/05/01	10.00	7.49	10.50	2111 us	1.80	(199.00)	9.60	0.00
	03/19/02	12.00	7.30	10.80	2120 us	2.10	(170.00)	11.60	0.00
	06/20/02	12.00	7.92	14.00	1424 us	0.80	(120.00)	12.40	0.00
	09/18/02	12.00	7.13	13.40	1744 us	1.00	(132.00)	11.20	0.00
	12/17/02	10.00	7.36	10.40	1986 us	1.60	(174.00)	8.40	0.00
	03/24/03	10.00	7.31	10.40	2032 us	1.60	(190.00)	8.40	0.00
	06/10/03	11.00	7.64	14.60	1324 us	0.80	(144.00)	9.20	0.00
	09/10/03	11.00	7.15	13.30	1622 us	0.80	(124.00)	10.40	0.00
	03/24/04	10.00	7.70	12.30	1927 us	EM	(156.00)	NA	0.00
	03/29/05	9.00	7.30	10.80	2090 us	2.29	83.00	NA	0.00
	03/27/06	9.00	7.30	9.30	2880 us	1.72	2.69	NA	0.04
	03/27/07	9.0	7.2	12.9	3190 us	5.05	185	NA	0.04
MW-109	06/21/06	2.00	6.42	14.80	1497 us	-	-	-	-
	09/20/06	2.00	6.66	14.60	1429 us	-	-	-	-
	12/20/06	8.00	7.10	11.00	2120 us	2.39	213.00	NA	0.16
	03/29/07	10.0	6.9	9.6	2050 us	7.71	284	NA	***
	07/03/07	9.0	7.2	12.8	2350 us	1.53	192	NA	0.04
	09/28/07	10.0	6.9	18.2	2170 us	9.53	240	NA	0.04
MW-110	06/21/06	2.00	6.91	12.70	1178 us	-	-	-	-
	09/20/06	2.00	7.00	14.40	1248 us	-	-	-	-
	12/20/06	10.00	7.20	10.60	1757 us	2.07	234.00	NA	0.00
	03/29/07	10.0	7.2	8.1	1806 us	7.03	255	NA	0.03
	07/03/07	8.0	8.3	12.1	1752 us	2.96	227	NA	0.13
	09/28/07	11.0	7.2	15.6	1837 us	5.72	258	NA	0.00
MW-111	06/21/06	2.00	7.01	12.40	1311 us	-	-	-	-
	09/20/06	1.75	6.99	14.00	1164 us	-	-	-	-
	12/20/06	6.00	7.20	11.00	1478 us	3.95	243.00	NA	0.01
	03/29/07	10.0	7.4	9.2	1908 us	9.29	209	NA	0.01
	07/03/07	6.0	7.4	12.1	1855 us	1.63	263	NA	0.28
	09/28/07	11.0	7.4	13.5	1672 us	6.08	256	NA	0.02

Table #5

GROUNDWATER GEOCHEMICAL PARAMETERS
 N.W. Mauthe Superfund Site - Appleton, Wisconsin
 MCO No. M0050-930746.26

Well Name	Sample Date	Purge* Volume (gallons)	pH (units)	Temperature (degree C)	Conductivity (units as shown)	Dissolved Oxygen (ppm)	Redox (mV)	Alkalinity (gpg)	Ferrous Iron (mg/l)
MW-112	06/21/06	2.00	7.21	12.40	1338 us	-	-	-	-
	09/20/06	2.00	7.28	14.60	1238 us	-	-	-	-
	12/20/06	8.00	7.50	10.70	1817 us	1.94	729.00	NA	0.00
	03/28/07	10.0	7.5	9.5	2050 us	7.93	228	NA	0.00
	07/03/07	9.0	7.6	13.7	1909 us	3.48	234	NA	0.28
	09/28/07	11.0	7.6	13.7	1921 us	6.80	267	NA	0.04
MW-113	06/21/06	2.00	6.91	12.90	1020 us	-	-	-	-
	09/20/06	2.00	7.11	14.60	900 us	-	-	-	-
	12/20/06	8.00	7.20	10.60	1757 us	2.07	234.00	NA	0.00
	03/29/07	10.0	7.3	8.0	1508 us	9.52	235	NA	***
	07/03/07	7.0	7.6	10.9	1552 us	2.05	262	NA	0.13
	09/28/07	13.0	7.4	14.4	1514 us	6.87	276	NA	0.00

ppm = parts per million
 us = microsiemens / centimeter
 mV = millivolts
 gpg = grains per gallon
 EM - Equipment malfunction.

ms = millisiemens / centimeter
 NA = not analyzed
 NR = not recorded
 () = Indicates a negative value.

* = Each monitoring well was purged dry twice prior to sampling
 The second purging was conducted approximately 3-hrs after initial purging. The volume of purge water collected represents the total of the two well purges. Purge volumes prior to 10/27/98 were not available.
 ** = Not analyzed due to poor water clarity from recent piezometer installation nearby.
 *** = Too cloudy for testing.

Note: A different meter was used to test ferrous iron beginning on the March 2006 sampling event.

Table #6

GROUNDWATER ANALYTICAL RESULTS / Selected Metals

N.W. Mauthe Superfund Site - Appleton, Wisconsin
MCO No. M0050-930746.26

Well Name	Sample Date	Cadmium (ug/l)	Chromium (ug/l)	Hexavalent Chromium (ug/l)	Copper (ug/l)	Cyanide (ug/l)	Manganese (ug/l)	Mercury (ug/l)	Zinc (ug/l)
W-2	02/20/97	NA	15	NA	26	NA	460.0	NA	49
	05/27/97	0.43	8.5	NA	<10	NA	170.0	<.2	30
	09/18/97	0.27	4.5**	NA	9.5**	3**	116.0	<.03	16.9
	12/12/97	.13*	6.2	NA	<9.7	<.8	133.0	.06*	20.4
	03/25/98	0.08	<3.9	NA	<9.5	<1.7	83.8	.007*	18.6
	06/10/98	.31*	16.4	NA	18.6**	<1.7	466.0	.027*	40.8
	10/27/98	.51*	3.60	NA	4.7*	<.0032	69.0	<.05	170
	02/09/99	.46*	<.62	NA	4.0	<.0032	240.0	<0.05	23
	06/08/99	<.31	<.62	NA	1.8*	<.0032	290.0	<0.05	<12
	09/13/99	<.31	2.00	NA	3.2	<.0032	240.0	<.05	<12
	12/15/99	<.31	.72 *	NA	NA	NA	2.8	NA	NA
	03/13/00	<.31	.79 *	NA	NA	NA	7.8	NA	NA
	06/22/00	<.31	<.62	NA	NA	NA	<.42	NA	NA
	09/27/00	2.70	1.1*	NA	NA	NA	17.0	NA	NA
	12/19/00	.24*	.91*	NA	NA	NA	8.0	NA	NA
	03/01/01	<.23	<.57	NA	NA	NA	<2.0	NA	NA
	06/19/01	<.17	.55 *	NA	NA	NA	48.0	NA	NA
	09/24/01	<.17	<.34	NA	NA	NA	52	NA	NA
	12/05/01	<.23	<.57	NA	NA	NA	<2.0	NA	NA
	03/19/02	.27*	<.57	NA	NA	NA	<2.0	NA	NA
	06/20/02	<.23	<.44	NA	NA	NA	61.0	NA	NA
	09/18/02	<.23	<.44	NA	NA	NA	110.0	NA	NA
	12/17/02	<.23	<.44	NA	NA	NA	150.0	NA	NA
	03/24/03	<0.17	<0.43	NA	NA	NA	8.5	NA	NA
	03/24/04	NA	<0.45	5.0	NA	NA	<1.0	NA	NA
	03/29/05	NA	1.2	<2.7	NA	NA	1.3	NA	NA
	03/23/06	NA	0.52	<5.0	NA	NA	4.1	NA	NA
	03/27/07	NA	<1.9	NA	NA	NA	4.7	NA	NA
W-8	02/20/97	NA	17	NA	22	NA	320.0	NA	34
	05/27/97	1.6	37	NA	27	NA	670.0	<.2	54
	09/18/97	0.45	14.4	NA	14.6**	1**	338.0	.11**	31.8
	12/12/97	0.5*	5.7	NA	<9.7	<.8	147.0	.07*	17.1
	03/25/98	0.43	10.1	NA	15**	<1.7	205.0	.007*	21
	06/10/98	0.54	9.9	NA	12.6**	<1.7	264.0	.016*	21.6
	10/27/98	0.80	3.90	NA	4.8*	<.0032	64.0	<.05	85
	02/09/99	<.31	<.62	NA	<60	<.0032	850.0	<.05	12
	06/08/99	<.31	<.62	NA	2.6	<.0032	50.0	<.05	<12
	09/13/99	<.31	1.90	NA	2.7	<.0032	98.0	<.05	29
	12/15/99	<.31	2.80	NA	NA	NA	180.0	NA	NA
	03/13/00	<.31	1.4 *	NA	NA	NA	65.0	NA	NA
	06/22/00	<.31	3.10	NA	NA	NA	74.0	NA	NA
	09/27/00	.27*	.75*	NA	NA	NA	26.0	NA	NA
	12/19/00	<.23	.66*	NA	NA	NA	40.0	NA	NA
	03/01/01	<.23	<.57	NA	NA	NA	23.0	NA	NA
	06/19/01	<.17	1*	NA	NA	NA	100.0	NA	NA
	09/24/01	<.17	<.34	NA	NA	NA	380.0	NA	NA
	12/25/01	<.23	<.57	NA	NA	NA	<2.0	NA	NA
	03/19/02	<.23	<.57	NA	NA	NA	21.0	NA	NA
	06/20/02	<.23	.47*	NA	NA	NA	1400.0	NA	NA
	09/18/02	<.23	<.44	NA	NA	NA	620.0	NA	NA
	12/17/02	<.23	<.44	NA	NA	NA	34.0	NA	NA
	03/24/03	<.17	<.43	NA	NA	NA	27.0	NA	NA
	03/24/04	NA	0.76*	3.8	NA	NA	1.7*	NA	NA
	03/29/05	NA	<0.52	<2.7	NA	NA	9.7	NA	NA
	03/23/06	NA	<0.4	<5.0	NA	NA	5.5	NA	NA
	03/27/07	NA	<1.9	NA	NA	NA	6.0	NA	NA
W-15	02/20/97	NA	32	NA	52	NA	430.0	NA	88
	05/27/97	0.27	5.9	NA	15	NA	97.0	<.2	39
	09/18/97	0.31	13.9	NA	18.8**	<.78	325.0	<.03	35.5
	12/12/97	.12*	5.7	NA	9.7**	<.8	80.9	.03*	18.5
	03/25/98	.04*	<3.9	NA	<9.5	<1.7	85.7	.038*	13.7
	06/10/98	.11*	10	NA	13.2**	<1.7	147.0	.016*	18.8
	10/27/98	.41*	6.80	NA	7.40	<.0032	110.0	<.05	100
	02/09/99	<.31	<.62	NA	<.60	<.0032	320.0	<.05	<12
	06/08/99	<.31	2.40	NA	14.00	<.0032	130.0	<.05	66
	09/13/99	<.31	5.30	NA	6.40	<.0032	130.0	<.05	16

Table #6

GROUNDWATER ANALYTICAL RESULTS / Selected Metals

N.W. Mauthe Superfund Site - Appleton, Wisconsin

MCO No. M0050-930746.26

Well Name	Sample Date	Cadmium (ug/l)	Chromium (ug/l)	Hexavalent Chromium (ug/l)	Copper (ug/l)	Cyanide (ug/l)	Manganese (ug/l)	Mercury (ug/l)	Zinc (ug/l)
W-15 (continued)	12/15/99	<.31	5.00	NA	NA	NA	90.0	NA	NA
	03/13/00	<.31	7.00	NA	NA	NA	130.0	NA	NA
	06/22/00	<.31	1.80	NA	NA	NA	11.0	NA	NA
	09/27/00	<.23	4.20	NA	NA	NA	24.0	NA	NA
	12/19/00	<.23	1.4*	NA	NA	NA	930.0	NA	NA
	03/01/01	<.23	<.57	NA	NA	NA	<2.0	NA	NA
	06/19/01	<.17	<.34	NA	NA	NA	<2	NA	NA
	09/24/01	<.17	<.34	NA	NA	NA	290.0	NA	NA
	12/05/01	<.23	<.57	NA	NA	NA	2.5	NA	NA
	03/19/02	<.23	<.57	NA	NA	NA	22.0	NA	NA
	06/20/02	.36*	.47*	NA	NA	NA	3.1	NA	NA
	09/18/02	<.23	<.44	NA	NA	NA	110.0	NA	NA
	12/17/02	<.23	<.44	NA	NA	NA	31.0	NA	NA
	03/24/03	<.17	0.47*	NA	NA	NA	27.0	NA	NA
	03/24/04	NA	1.80	3.8	NA	NA	1.1*	NA	NA
	03/29/05	NA	0.98	<2.7	NA	NA	24.0	NA	NA
	03/23/06	NA	1.60	<5.0	NA	NA	8.0	NA	NA
	03/28/07	NA	<1.9	NA	NA	NA	13	NA	NA
MW-101	02/20/97	NA	36	NA	41	NA	820.0	NA	49
	05/27/97	<.2	10	NA	11	NA	170.0	<.03	18
	09/18/97	.06**	11.9	NA	10.7**	1**	145.0	<.05	18.2
	12/12/97	.06*	12.8	NA	<9.7	<.8	176.0	.05*	20.7
	03/25/98	.04*	20.9	NA	21.6**	<1.7	239.0	.007*	32.7
	06/10/98	.27*	48.2	NA	46.8	<1.7	604.0	.044*	75.9
	10/27/98	<.16	3.20	NA	4.2*	<.0032	24.0	<.05	54
	02/09/99	<.31	<.62	NA	<.60	<.0032	1900.0	<.05	14
	06/08/99	<.31	1.80	NA	8.2	<.0032	380.0	<.05	39
	09/13/99	<.31	2.90	NA	5.1	<.0032	31.0	<.05	<12
	12/15/99	<.31	2.50	NA	NA	NA	9.1	NA	NA
	03/13/00	<.31	2.30	NA	NA	NA	100.0	NA	NA
	06/22/00	<.31	1.4 *	NA	NA	NA	<4.2	NA	NA
	09/27/00	<.23	19.00	NA	NA	NA	37.0	NA	NA
	12/19/00	<.23	7.20	NA	NA	NA	18.0	NA	NA
	03/01/01	<.23	<.57	NA	NA	NA	13.0	NA	NA
	06/19/01	<.17	8.50	NA	NA	NA	9.1	NA	NA
	09/24/01	<.17	.55 *	NA	NA	NA	<2.0	NA	NA
	12/05/01	<.23	.90*	NA	NA	NA	<2.0	NA	NA
	03/19/02	<.23	.66*	NA	NA	NA	<2.0	NA	NA
	06/20/02	<.23	.58*	NA	NA	NA	2.2	NA	NA
	09/18/02	<.23	<.44	NA	NA	NA	13.0	NA	NA
	12/17/02	<.23	<.44	NA	NA	NA	33.0	NA	NA
	03/24/03	<.17	.50*	NA	NA	NA	8.3	NA	NA
	03/24/04	NA	0.79*	<3.6	NA	NA	<1.0	NA	NA
	03/29/05	NA	1.10	<2.7	NA	NA	16.0	NA	NA
	03/23/06	NA	0.55	<5.0	NA	NA	45.0	NA	NA
	03/27/07	NA	<1.9	NA	NA	NA	14.0	NA	NA
MW-102	02/20/97	NA	26	NA	38	NA	570.0	NA	34
	05/27/97	0.21	48	NA	77	NA	920.0	<.2	73
	09/18/97	.08**	<3.92	NA	6.9**	2**	302.0	<.03	8.7
	12/12/97	.04*	<3.9	NA	<9.7	<.8	387.0	.04*	10.9
	03/25/98	.11*	<3.9	NA	9.5**	<1.7	302.0	.007*	7.4*
	06/10/98	.04*	<3.9	NA	<9.8	<1.7	318.0	.018*	9.5
	10/27/98	.27*	.98*	NA	3.2*	<.0032	340.0	<.05	24
	02/09/99	<.31	.73*	NA	<.60	<.0032	670.0	<.05	20
	06/08/99	<.31	1.2*	NA	5.8	<.0032	140.0	<.05	36
	09/13/99	<.31	4.00	NA	15.0	<.0032	160.0	<.05	73
	12/15/99	<.31	1.2 *	NA	NA	NA	550.0	NA	NA
	03/13/00	<.31	1.70	NA	NA	NA	580.0	NA	NA
	06/22/00	<.31	<.62	NA	NA	NA	310.0	NA	NA
	09/27/00	<.23	2.10	NA	NA	NA	130.0	NA	NA
	12/19/00	.33*	2.90	NA	NA	NA	110.0	NA	NA
	03/01/01	<.23	<.57	NA	NA	NA	<2.0	NA	NA
	06/19/01	<.17	<.34	NA	NA	NA	<2	NA	NA
	09/24/01	.48 *	1.40	NA	NA	NA	46.0	NA	NA
	12/05/01	<.23	<.57	NA	NA	NA	100.0	NA	NA

Table #6

GROUNDWATER ANALYTICAL RESULTS / Selected Metals

N.W. Mauthe Superfund Site - Appleton, Wisconsin
MCO No. M0050-930746.26

Well Name	Sample Date	Cadmium (ug/l)	Chromium (ug/l)	Hexavalent Chromium (ug/l)	Copper (ug/l)	Cyanide (ug/l)	Manganese (ug/l)	Mercury (ug/l)	Zinc (ug/l)
MW-102 (continued)	03/19/02	<.23	<.57	NA	NA	NA	87.0	NA	NA
	06/20/02	<.17	1.80	NA	NA	NA	44.0	NA	NA
	09/18/02	<.23	1.4*	NA	NA	NA	<2.0	NA	NA
	12/17/02	<.23	<.44	NA	NA	NA	38.0	NA	NA
	03/24/03	0.21*	<0.43	NA	NA	NA	3.5	NA	NA
	03/24/04	NA	<0.45	<3.6	NA	NA	65.0	NA	NA
	03/29/05	NA	0.71	<2.7	NA	NA	190.0	NA	NA
	03/23/06	NA	<0.40	<5.0	NA	NA	100.0	NA	NA
	03/27/07	NA	<1.9	NA	NA	NA	230	NA	NA
MW-103	02/20/97	NA	1,300	NA	47	NA	800.0	NA	27
	05/27/97	<.2	160.0	NA	31	NA	900.0	<.2	29
	09/18/97	.06**	35.2	NA	13.5**	3**	287.0	<.03	13.7
	12/12/97	.04*	16.3	NA	<9.7	<.8	84.3	.09*	21.4
	03/25/98	.04*	15.5	NA	<9.5	<1.7	83.0	.007*	7.5*
	06/10/98	.15*	57.6	NA	27.5	<1.7	417.0	.02*	33.7
	10/27/98	<.16	6.30	NA	2.3*	<.0032	27.0	<.05	30.0
	06/08/99	<.31	87.00	NA	3.5	<.0032	810.0	<.05	30
	09/13/99	<.31	720.0	NA	5.9	<.0032	83.0	<.05	15
	12/15/99	<.31	260.0	NA	NA	NA	160.0	NA	NA
	03/13/00	<.31	600.0	NA	NA	NA	79.0	NA	NA
	06/22/00	<.31	130.0	NA	NA	NA	180.0	NA	NA
	09/27/00	<.23	280.0	NA	NA	NA	230.0	NA	NA
	12/19/00	<.23	180.0	NA	NA	NA	170.0	NA	NA
	03/01/01	<.23	49.0	NA	NA	NA	240.0	NA	NA
	06/19/01	<.17	11.0	NA	NA	NA	350.0	NA	NA
	09/24/01	<.17	12.0	NA	NA	NA	280.0	NA	NA
	12/05/01	<.23	2.9	NA	NA	NA	230.0	NA	NA
	03/19/02	<.23	73.0	NA	NA	NA	7.9	NA	NA
	06/20/02	<.23	14.0	NA	NA	NA	630.0	NA	NA
	09/18/02	<.23	6.5	NA	NA	NA	560.0	NA	NA
	12/17/02	<.23	6.2	NA	NA	NA	3.7	NA	NA
	03/24/03	.26*	350.0	NA	NA	NA	48.0	NA	NA
	06/10/03	NA	150.0	NA	NA	NA	NA	NA	NA
	09/10/03	NA	9.10	NA	NA	NA	NA	NA	NA
	12/10/03	NA	7.70	NA	NA	NA	NA	NA	NA
	12/15/03	NA	NA	<3.6	NA	NA	NA	NA	NA
	03/24/04	NA	5.60	6.3	NA	NA	7.6	NA	NA
	07/09/04	NA	11.00	16.0	NA	NA	NA	NA	NA
	12/09/04	NA	1.20	<3.6	NA	NA	NA	NA	NA
	03/29/05	NA	220.0	350.0	NA	NA	82.0	NA	NA
	06/22/05	NA	240.0	250.0	NA	NA	NA	NA	NA
	09/21/05	NA	110.0	69.0	NA	NA	NA	NA	NA
	12/15/05	NA	120.0	150.0	NA	NA	NA	NA	NA
	03/23/06	NA	16.0	270.0	NA	NA	8.4	NA	NA
	06/28/06	NA	40.0	29.0	NA	NA	NA	NA	NA
	09/20/06	NA	45.0	35.0	NA	NA	NA	NA	NA
	12/20/06	NA	15.0	NA	NA	NA	NA	NA	NA
	03/28/07	NA	31	NA	NA	NA	38	NA	NA
	07/03/07	NA	90	NA	NA	NA	NA	NA	NA
	09/28/07	NA	78	NA	NA	NA	NA	NA	NA
MW-104	02/20/97	NA	5.9	NA	15	NA	550.0	NA	6.9
	05/27/97	<.02	6.9	NA	11	NA	470.0	<.2	5.2
	09/18/97	<.04	35.6	NA	5**	3**	235.0	<.03	4.74
	12/12/97	.04*	61.8	NA	9.8**	<.8	279.0	.05*	14
	03/25/98	.04*	66.8	NA	<9.5	<1.7	73.6	.008*	7.4*
	06/10/98	.04*	219.0	NA	<9.8	<1.7	107.0	.016*	12.8
	10/27/98	.29*	150.0	NA	2.3*	<.0032	25.0	<.05	30
	02/09/99	<.31	94.0	NA	1.4*	<.0032	1000.0	<.05	<12
	06/08/99	1*	62.0	NA	12.0	<.0032	620.0	<.05	17
	09/13/99	<.31	80.0	NA	3.2	<.0032	9.2	<.05	<12
	12/15/99	<.31	170.0	NA	NA	NA	1.6	NA	NA
	03/13/00	<.31	300.0	NA	NA	NA	13.0	NA	NA
	06/22/00	<.31	210.0	NA	NA	NA	41.0	NA	NA
	09/27/00	<.23	510.0	NA	NA	NA	3.9	NA	NA
	12/19/00	<.23	790.0	NA	NA	NA	<.2	NA	NA

Table #6

GROUNDWATER ANALYTICAL RESULTS / Selected Metals

N.W. Mauthe Superfund Site - Appleton, Wisconsin
MCO No. M0050-930746.26

Well Name	Sample Date	Cadmium (ug/l)	Chromium (ug/l)	Hexavalent Chromium (ug/l)	Copper (ug/l)	Cyanide (ug/l)	Manganese (ug/l)	Mercury (ug/l)	Zinc (ug/l)
MW-104 (continued)	03/01/01	<.23	840.0	NA	NA	NA	<2	NA	NA
	06/19/01	<.17	680.0	NA	NA	NA	2.3	NA	NA
	09/24/01	<.17	310.0	NA	NA	NA	17.0	NA	NA
	12/05/02	<.23	390.0	NA	NA	NA	2.2	NA	NA
	03/19/02	<.23	430.0	NA	NA	NA	<2.0	NA	NA
	06/20/02	<.23	490.0	NA	NA	NA	14.0	NA	NA
	09/18/02	<.23	410.0	NA	NA	NA	27.0	NA	NA
	12/17/02	<.23	240.0	NA	NA	NA	8.9	NA	NA
	03/24/03	<.17	180.0	NA	NA	NA	4.2	NA	NA
	06/10/03	NA	420.0	NA	NA	NA	NA	NA	NA
	09/10/03	NA	1200.0	NA	NA	NA	NA	NA	NA
	12/10/03	NA	790.0	NA	NA	NA	NA	NA	NA
	12/15/03	NA	NA	700.0	NA	NA	NA	NA	NA
	03/24/04	NA	550.0	580.0	NA	NA	<1.0	NA	NA
	07/09/04	NA	370.0	380.0	NA	NA	NA	NA	NA
	09/22/04	NA	87.0	33.0	NA	NA	NA	NA	NA
	12/09/04	NA	56.0	57.0	NA	NA	NA	NA	NA
	03/29/05	NA	260.0	260.0	NA	NA	1.0	NA	NA
	06/22/05	NA	280.0	230.0	NA	NA	NA	NA	NA
	09/21/05	NA	17.0	25.0	NA	NA	NA	NA	NA
	12/15/05	NA	95.0	110.0	NA	NA	NA	NA	NA
	03/23/06	NA	66.0	200.0	NA	NA	6.3	NA	NA
	06/28/06	NA	76.0	58.0	NA	NA	NA	NA	NA
	09/20/06	NA	2.8	<6.8	NA	NA	NA	NA	NA
	12/20/06	NA	8.4	NA	NA	NA	NA	NA	NA
	03/28/07	NA	160	NA	NA	NA	130	NA	NA
	07/03/07	NA	97	NA	NA	NA	NA	NA	NA
	09/28/07	NA	11.0	NA	NA	NA	NA	NA	NA
MW-105	02/20/97	NA	21	NA	22	NA	1100.0	NA	23
	05/27/97	<.2	5	NA	<10	NA	120.0	<.2	12
	09/18/97	.14**	29.5	NA	28.3	1**	532.0	<.03	46
	12/12/97	.36*	15.8	NA	12.5**	<.8	297.0	.03*	27.1
	03/25/98	.04*	30.8	NA	27.6	<1.7	518.0	.064*	44
	06/10/98	.048*	13.7	NA	15.3**	<1.7	217.0	.016*	22.1
	10/27/98	.29*	8.80	NA	8.20	<.0032	150.0	<.05	70
	02/09/99	<.31	1.3*	NA	4.30	<.0032	2000.0	<.05	19
	06/08/99	<.31	1*	NA	18.00	<.0032	1300.0	<.05	66
	09/13/99	<.31	.64*	NA	24.00	<.0032	1700.0	<.05	30
	12/15/99	<.31	<.62	NA	NA	NA	860.0	NA	NA
	03/13/00	<.31	4.80	NA	NA	NA	660.0	NA	NA
	06/22/00	<.31	1.0 *	NA	NA	NA	600.0	NA	NA
	09/27/00	<.23	1.2*	NA	NA	NA	700.0	NA	NA
	12/19/00	<.23	<.4	NA	NA	NA	230.0	NA	NA
	03/01/01	<.23	<.57	NA	NA	NA	43.0	NA	NA
	06/19/01	<.17	.75*	NA	NA	NA	230.0	NA	NA
	09/24/01	<.17	.73*	NA	NA	NA	530.0	NA	NA
	12/05/01	<.23	<.57	NA	NA	NA	<2.0	NA	NA
	03/19/02	<.23	<.57	NA	NA	NA	22.0	NA	NA
	06/20/02	<.23	.60*	NA	NA	NA	1400.0	NA	NA
	09/18/02	<.23	<.44	NA	NA	NA	600.0	NA	NA
	12/17/02	<.23	<.44	NA	NA	NA	58.0	NA	NA
	03/24/03	.21*	<.43	NA	NA	NA	86.0	NA	NA
	03/24/04	NA	3.80	6.3	NA	NA	89.0	NA	NA
	03/29/05	NA	<0.52	<2.7	NA	NA	82.0	NA	NA
	03/23/06	NA	0.42	<5.0	NA	NA	43.0	NA	NA
	03/27/07	NA	<1.9	NA	NA	NA	23	NA	NA
MW-106	02/20/97	NA	21	NA	24	NA	320.0	NA	26
	05/27/97	<.02	40	NA	35	NA	590.0	<.2	68
	09/18/97	.05**	5.5	NA	6.2**	1**	56.9	<.03	35.6
	12/12/97	.04*	9.2	NA	9.7**	<.08	155.0	.03*	18.4
	03/25/98	NA	13.40	NA	14.4**	<1.7	150.0	.007*	18.5
	06/10/98	.04*	<3.9	NA	10.2**	<1.7	10.0	.016*	10.9
	10/27/98	.27*	3.20	NA	4.3*	<.0032	38.0	<.05	88
	02/09/99	<.31	<.62	NA	1.1*	<.0032	760.0	<.05	22
	06/08/99	<.31	.79*	NA	2.3	<.0032	900.0	<.05	<12
	09/13/99	<.31	1.80	NA	4.7	<.0032	1100.0	<.05	30

Table #6

GROUNDWATER ANALYTICAL RESULTS / Selected Metals

N.W. Mauthe Superfund Site - Appleton, Wisconsin
MCO No. M0050-930746.26

Well Name	Sample Date	Cadmium (ug/l)	Chromium (ug/l)	Hexavalent Chromium (ug/l)	Copper (ug/l)	Cyanide (ug/l)	Manganese (ug/l)	Mercury (ug/l)	Zinc (ug/l)
MW-106 (continued)	12/15/99	<.31	1.3 *	NA	NA	NA	130.0	NA	NA
	03/31/00	<.31	2.30	NA	NA	NA	270.0	NA	NA
	06/22/00	<.31	.73 *	NA	NA	NA	<4.2	NA	NA
	09/27/00	<.23	.88*	NA	NA	NA	50.0	NA	NA
	12/19/00	<.23	.77*	NA	NA	NA	22.0	NA	NA
	03/01/01	<.23	<.57	NA	NA	NA	45.0	NA	NA
	06/19/01	.21*	.39*	NA	NA	NA	57.0	NA	NA
	09/24/01	<.17	<.34	NA	NA	NA	950.0	NA	NA
	12/05/01	<.23	<.57	NA	NA	NA	310.0	NA	NA
	03/19/02	<.23	<.57	NA	NA	NA	92.0	NA	NA
	06/20/02	<.23	<.44	NA	NA	NA	270.0	NA	NA
	09/18/02	<.23	<.44	NA	NA	NA	420.0	NA	NA
	12/17/02	<.23	<.44	NA	NA	NA	41.0	NA	NA
	03/24/03	<0.17	<.43	NA	NA	NA	2.1	NA	NA
	03/24/04	NA	<0.45	3.8	NA	NA	190.0	NA	NA
	03/29/05	NA	1.10	<2.7	NA	NA	15.0	NA	NA
	03/23/06	NA	0.45	<5.0	NA	NA	30.0	NA	NA
	03/27/07	NA	<1.9	NA	NA	NA	15	NA	NA
MW-107	02/20/97	NA	2,000	NA	13	NA	190.0	NA	6.9
	05/27/97	<.2	3,600	NA	<10	NA	91.0	<.2	10
	09/18/97	<.04	2,670	NA	<8.1	1**	59.3	<.03	33.5
	12/12/97	.04*	2,310	NA	<9.7	<.8	48.4	.1*	6.7
	03/25/98	.04*	11,200*	NA	12.1**	<1.7	68.2	.041*	9.3*
	06/10/98	.11*	6,240	NA	13.8**	<1.7	161.0	.027*	17.3*
	10/27/98	<.16	7,100	NA	1.2*	<.0032	28.0	<.05	94
	02/09/99	<.31	3,200	NA	1.9*	<.0032	49.0	<.05	<12
	06/08/99	<.31	5,800	NA	3.0	<.0032	25.0	<.05	<12
	09/13/99	<.31	4,000	NA	1.9*	<.0032	18.0	<.05	<12
	12/15/99	<.31	14,000	NA	NA	NA	.83 *	NA	NA
	03/13/00	<.31	8,100	NA	NA	NA	22.0	NA	NA
	06/22/00	<.31	14,000	NA	NA	NA	<42	NA	NA
	09/27/00	<.23	11,000	NA	NA	NA	4.9	NA	NA
	12/19/00	<.23	10,000	NA	NA	NA	2.4	NA	NA
	03/01/01	<.23	5,000	NA	NA	NA	2.2	NA	NA
	06/19/01	<.17	8,200	NA	NA	NA	<2	NA	NA
	09/24/01	<.17	5,300	NA	NA	NA	270.0	NA	NA
	12/05/01	<.23	6,200	NA	NA	NA	10.0	NA	NA
	03/19/02	<.23	7,000	NA	NA	NA	<20	NA	NA
	06/20/02	<2.3	7,000	NA	NA	NA	<20	NA	NA
	09/18/02	<.17	4,300	NA	NA	NA	24.0	NA	NA
	12/17/02	<.17	3,700	NA	NA	NA	15.0	NA	NA
	03/24/03	<10	3,800	NA	NA	NA	7.7	NA	NA
	06/10/03	NA	5,900	NA	NA	NA	NA	NA	NA
	09/10/03	NA	5,200	NA	NA	NA	NA	NA	NA
	12/10/03	NA	5,200	NA	NA	NA	NA	NA	NA
	12/15/03	NA	NA	5,500	NA	NA	NA	NA	NA
	03/24/04	NA	3,900	4,100	NA	NA	1.2*	NA	NA
	07/09/04	NA	3,400	5,000	NA	NA	NA	NA	NA
	09/22/04	NA	4,100	4,400	NA	NA	NA	NA	NA
	12/14/04	NA	6,300	5,800	NA	NA	NA	NA	NA
	03/29/05	NA	3,600	4,100	NA	NA	1.9	NA	NA
	06/22/05	NA	3,300	2,900	NA	NA	NA	NA	NA
	09/21/05	NA	2,500	2,500	NA	NA	NA	NA	NA
	12/15/05	NA	2,400	2,700	NA	NA	NA	NA	NA
	03/23/06	NA	3,200	3,600	NA	NA	1.90	NA	NA
	06/28/06	NA	3,600	3,000	NA	NA	NA	NA	NA
	09/20/06	NA	4,100	4,200	NA	NA	NA	NA	NA
	12/19/06	NA	2,700	NA	NA	NA	NA	NA	NA
	03/28/07	NA	4,200	NA	NA	NA	1.7	NA	NA
	07/03/07	NA	2,800	NA	NA	NA	NA	NA	NA
	09/28/07	NA	2,000	NA	NA	NA	NA	NA	NA

Table #6

GROUNDWATER ANALYTICAL RESULTS / Selected Metals

N.W. Mauthe Superfund Site - Appleton, Wisconsin
MCO No. M0050-930746.26

Well Name	Sample Date	Cadmium (ug/l)	Chromium (ug/l)	Hexavalent Chromium (ug/l)	Copper (ug/l)	Cyanide (ug/l)	Manganese (ug/l)	Mercury (ug/l)	Zinc (ug/l)
MW-108	02/20/97	NA	25	NA	23	NA	490.0	NA	31
	05/27/97	<.2	11	NA	13	NA	210.0	<.2	15
	09/18/97	.14**	27.4	NA	22.4**	1**	462.0	<.03	36.6
	12/12/97	.04*	5.6	NA	<9.7	<.8	74.8	.03*	27.9
	03/25/98	.04*	9.4	NA	10.4**	<1.7	142.0	.007*	13.8
	06/10/98	.14*	28.4	NA	25.5	<1.7	478.0	.021*	40.5
	10/27/98	.26*	8.90	NA	7.40	<.0032	88.0	<.05	44
	02/09/99	<.31	1.70	NA	3.90	<.0032	560.0	<.05	30
	06/08/99	<.31	3.10	NA	1.4*	<.0032	450.0	<.05	54
	09/13/99	<.31	4.50	NA	5.30	<.0032	100.0	<.05	<12
	12/15/99	<.31	6.10	NA	NA	NA	79.0	NA	NA
	03/13/00	<.31	3.6	NA	NA	NA	41.0	NA	NA
	06/22/00	<.31	6.5	NA	NA	NA	<4.2	NA	NA
	09/27/00	<.23	2.9	NA	NA	NA	29.0	NA	NA
	12/19/00	<.23	3.0	NA	NA	NA	22.0	NA	NA
	03/01/01	<.23	<.57	NA	NA	NA	<2.0	NA	NA
	06/19/01	<.17	2.40	NA	NA	NA	110.0	NA	NA
	09/24/01	<.17	<.34	NA	NA	NA	40.0	NA	NA
	12/05/01	<.23	<.57	NA	NA	NA	7.4	NA	NA
	03/19/02	<.23	<.57	NA	NA	NA	3.4	NA	NA
	06/20/02	<.23	.85*	NA	NA	NA	39.0	NA	NA
	09/18/02	<.23	<.44	NA	NA	NA	150.0	NA	NA
	12/17/02	<.23	.67*	NA	NA	NA	34.0	NA	NA
	03/24/03	<.17	.67*	NA	NA	NA	3.3	NA	NA
	03/24/04	NA	0.79*	<36	NA	NA	83.0	NA	NA
	03/29/05	NA	0.65	<2.7	NA	NA	2.6	NA	NA
	03/27/06	NA	<0.40	<5.0	NA	NA	6.2	NA	NA
	03/27/07	NA	<1.9	NA	NA	NA	1.4	NA	NA
MW-109	6/21/06****	<0.92	1,300	1,400	2.4*	<9.4	480.0	<0.072	<20
	9/20/06****	NA	450	NA	-	<9.4	430.0	NA	<20
	12/19/06	NA	550	NA	NA	NA	NA	NA	NA
	03/29/07	NA	2,700	NA	NA	0.94	15	NA	<20
	07/03/07	NA	2,200	NA	NA	NA	NA	NA	NA
	09/28/07	NA	1,300	NA	NA	NA	NA	NA	NA
MW-110	6/21/06****	<0.92	24,000	26,000	2.9*	40	290.0	<0.072	<20
	9/20/06****	NA	15,000	NA	NA	41	260.0	NA	<20
	12/19/06	NA	15,000	NA	NA	53	NA	NA	NA
	03/29/07	NA	47,000	NA	NA	6.6	84	NA	<20
	07/03/07	NA	3,200	NA	NA	79	NA	NA	NA
	09/28/07	NA	51,000	NA	NA	71	NA	NA	NA
MW-111	6/21/06****	<0.92	1,400	1,400	3.3*	27	190.0	<0.072	<20
	9/20/06****	NA	22	NA	-	20*	210.0	NA	<20
	12/19/06	NA	6.7	NA	NA	NA	NA	NA	NA
	03/29/07	NA	2,300	NA	NA	31	11	NA	<20
	07/03/07	NA	41	NA	NA	NA	NA	NA	NA
	09/28/07	NA	340	NA	NA	NA	NA	NA	NA
MW-112	6/21/06****	<0.92	130,000	140,000	5.3	140	180.0	<0.072	34,000
	9/20/06****	NA	69,000	NA	NA	84	130.0	NA	<20
	12/19/06	NA	55,000	NA	NA	88	NA	NA	<200
	03/28/07	NA	140,000	NA	NA	450	110	NA	<20
	07/03/07	NA	100,000	NA	NA	35	NA	NA	<200
	09/28/07	NA	150,000	NA	NA	320	NA	NA	34
MW-113	6/21/06****	<0.92	25,000	26,000	3.4*	11	170.0	<0.072	<20
	9/20/06****	NA	31,000	NA	NA	12*	85.0	NA	<20
	12/19/06	NA	21,000	NA	NA	NA	NA	NA	NA
	03/29/07	NA	11,000	NA	NA	<0.94	3.2	NA	<20
	07/03/07	NA	21,000	NA	NA	NA	NA	NA	NA
	09/28/07	NA	55,000	NA	NA	NA	NA	NA	NA

Table #6

GROUNDWATER ANALYTICAL RESULTS / Selected Metals

N.W. Mauthe Superfund Site - Appleton, Wisconsin
MCO No. M0050-930746.26

Well Name	Sample Date	Cadmium (ug/l)	Chromium (ug/l)	Hexavalent Chromium (ug/l)	Copper (ug/l)	Cyanide (ug/l)	Manganese (ug/l)	Mercury (ug/l)	Zinc (ug/l)
PZ-5	07/19/05****	NA	1.3*	<5.0	NA	NA	NA	NA	NA
	09/21/05****	NA	0.41*	<5.0	NA	NA	NA	NA	NA
PZ-6	07/19/05****	NA	1.2*	<5.0	NA	NA	NA	NA	NA
	09/21/05****	NA	<0.40	<5.0	NA	NA	NA	NA	NA
PZ-7	07/19/05****	NA	<0.52	<5.0	NA	NA	NA	NA	NA
	09/21/05****	NA	0.55*	<5.0	NA	NA	NA	NA	NA
PZ-8	07/19/05****	NA	1.1*	<5.0	NA	NA	NA	NA	NA
	09/21/05****	NA	<0.40	<5.0	NA	NA	NA	NA	NA
Maximum Contaminant Level (MCL)		5	100	100***	100	200	50.0	2	5,000
1992 Enforcement Standard Chapter NR 140.10		10	50	50	1,000	200	50.0	2	5,000
1992 Preventive Action Limit Chapter NR 140.10		1.0	5	5***	500	40	25.0	0.2	2,500

EXPLANATION:

Samples collected prior to 10/27/98 were collected by CH2M Hill.

* = Analyte detected between limit of detection and limit of quantitation.

** = Compound was found in sample and blank.

*** = Standard is for Total Chromium.

**** = Omni Associates, Inc. collected groundwater samples from PZ-5 to PZ-8 on July 19, 2005 and September 21, 2005 and MW-109 to MW-113 on June 21, 2006 and September 20, 2006 using a peristaltic pump and dedicated tubing.

ND = Not detected above the analytical laboratories method detection limit

NA = Not Analyzed

MW-104 = Was tested for Aluminum, Nickel, Arsenic & Lead. No quantifiable detections were noted for any of the analytes.

ug/L = Microgram/Liter

mg/L = Milligram / Liter

 Indicates an exceedance of the 1992 NR 140 Groundwater Quality Enforcement Standard (ES)

 Indicates Exceedance of the 1992 NR 140 Groundwater Preventive Action Limit (PAL)

NOTE: The EPA Record of Decision establishes the 1992 PALS as the cleanup goals for the site.

Table #7

GROUNDWATER ANALYTICAL RESULTS
Volatile Organic Compounds (VOC's)
 N.W. Mauthe Superfund Site - Appleton, Wisconsin
 MCO No. M0050-930746.26

Well Name	Sample Date	Benzene (ug/l)	Chloroform (ug/l)	1,1-Dichloroethane (ug/l)	1,1-Dichloroethene (ug/l)	cis-1,2-Dichloroethene (ug/l)	Trans-1,2-Dichloroethene (ug/l)	Ortho-Xylene (ug/l)	Toluene (ug/l)	1,1,1-Trichloroethane (ug/l)	1,1,2-Trichloroethane (ug/l)	Trichloroethene (ug/l)	Meta, para Xylene (ug/l)	Total Xylenes (ug/l)
W-2	02/20/97	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	-
	05/27/97	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	-
	09/18/97	<.5	<.6	<85	<.7	<.7	<.7	<124	<68	<40	<.5	<.5	<124	-
	12/12/97	<.5	<.6	<85	<.7	<.7	<.7	<120	<68	<40	<.5	<.5	<120	-
	03/25/98	<.5	<.6	<85	<.7	<.7	<.7	<.4	<68	<40	<.5	<.5	.4**	-
	06/10/98	<.5	<.6	<85	<.7	<.7	<.7	<120	<68	<40	<.5	<.5	<120	-
	10/27/98	<.24	<.23	<.27	<.28	<.27	<.26	<.17	<.21	<.26	<.23	<.29	<.36	-
	02/09/99	.15*	<.15	<.14	<.15	<.16	<.17	***	<.13	<.14	<.15	<.14	***	<.37
	06/08/99	<.13	<.15	<.14	<.15	<.16	<.17	***	<.13	<.14	<.15	<.14	***	<.37
	09/13/99	<.13	<.15	<.14	<.15	<.16	<.17	***	.13*	<.14	<.15	<.14	***	<.37
	03/13/00	<.32	<.28	<.36	<.35	<.15	<.39	***	<.37	<.33	<.11	<.34	***	<.71
	03/01/01	<.12	<.15	<.64	<.13	<.28	<.13	***	<.17	<.17	<.25	<.13	***	<.56
	03/19/02	<.12	<.15	<.64	<.13	<.28	<.13	***	<.17	<.17	<.25	<.13	***	<.56
	03/24/03	<.35	<.35	<.35	<.39	<.39	<.37	***	<.37	<.42	<.32	<.42	***	<.43
W-8	02/20/97	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	-
	05/27/97	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	-
	09/18/97	<.5	<.6	<85	<40	<.7	<.7	<124	<68	<40	<.5	<.5	<124	-
	12/12/97	<.5	<.6	<85	<40	<.7	<.7	<.4	<68	<40	<.5	<.5	.4**	-
	03/25/98	<.5	<.6	<85	<40	<.7	<.7	<.3	<68	<40	<.5	<.5	.3**	-
	06/10/98	<.5	<.6	<85	<40	<.7	<.7	<120	<68	<40	<.5	<.5	<120	-
	10/27/98	<.24	<.23	<.27	<.28	<.27	<.26	<.17	<.21	<.26	<.23	<.29	<.36	-
	02/09/99	.19*	<.15	<.15	<.15	<.16	<.17	***	.15*	<.14	<.15	<.15	***	<.37
	06/08/99	<.13	<.15	<.14	<.15	<.16	<.17	***	0.13	<.14	<.15	<.14	***	<.37
	09/13/99	<.13	<.15	<.14	<.15	<.16	<.17	***	<.13	<.14	<.15	<.14	***	<.37
	03/13/00	<.32	<.28	<.36	<.35	<.15	<.39	***	<.37	<.33	<.11	<.34	***	<.71
	03/01/01	<.12	<.15	<.64	<.13	<.28	<.13	***	<.17	<.17	<.25	<.13	***	<.56
	03/19/02	<.12	<.15	<.64	<.13	<.28	<.13	***	<.17	<.17	<.25	<.13	***	<.56
	03/24/03	<.35	<.35	<.35	<.39	<.39	<.37	***	<.37	<.42	<.32	<.42	***	<.43
W-15	02/20/97	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	-
	05/27/97	<.5	0.22	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	-
	09/18/97	<.5	<.6	<85	<.7	<.7	<.7	<124	<68	<40	<.5	<.5	<124	-
	12/12/97	<.5	<.6	<85	<.7	<.7	<.7	<120	<68	<40	<.5	<.5	<120	-
	03/25/98	<.5	<.6	<85	<.7	<.7	<.7	<.4	<68	<40	<.5	<.5	.4**	-
	06/10/98	<.5	<.6	<85	<.7	<.7	<.7	<120	<68	<40	<.5	<.5	<120	-
	10/27/98	<.24	<.23	<.27	<.28	<.27	<.26	<.17	<.21	<.26	<.23	<.29	<.36	-
	02/09/99	<.13	<.15	<.14	<.15	<.16	<.17	***	<.13	<.14	<.15	<.14	***	<.37
	06/08/99	.16*	<.15	<.14	<.15	<.16	<.17	***	<.13	<.14	<.15	<.14	***	<.37
	09/13/99	<.13	<.15	<.14	<.15	<.16	<.17	***	<.13	<.14	<.15	<.14	***	<.37
	03/13/00	<.32	<.28	<.36	<.35	<.15	<.39	***	<.37	<.33	<.11	<.34	***	<.71
	03/01/01	<.12	<.15	<.64	<.13	<.28	<.13	***	<.17	<.17	<.25	<.13	***	<.56
	03/19/02	<.12	<.15	<.64	<.13	<.28	<.13	***	<.17	<.17	<.25	<.13	***	<.56
	03/24/03	<.35	<.35	<.35	<.39	<.39	<.37	***	<.50*	<.42	<.32	<.42	***	<.43

Table #7

GROUNDWATER ANALYTICAL RESULTS
Volatile Organic Compounds (VOC's)
 N.W. Mauthe Superfund Site - Appleton, Wisconsin
 MCO No. M0050-930746.26

Well Name	Sample Date	Benzene (ug/l)	Chloroform (ug/l)	1,1-Dichloroethane (ug/l)	1,1-Dichloroethene (ug/l)	cis-1,2-Dichloroethene (ug/l)	Trans-1,2-Dichloroethene (ug/l)	Ortho-Xylene (ug/l)	Toluene (ug/l)	1,1,1-Trichloroethane (ug/l)	1,1,2-Trichloroethane (ug/l)	Trichloroethene (ug/l)	Meta, para Xylene (ug/l)	Total Xylenes (ug/l)
MW-101	02/20/97	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	-
	05/27/97	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	-
	09/18/97	<.5	<.6	.491*	.353*	<.7	<.7	<124	<68	3.03	<.5	3.31	<124	-
	12/12/97	<.5	<.6	<85	<.7	<.7	<.7	<120	<68	<40	<.5	<.5	<120	-
	03/25/98	<.5	<.6	<85	<.7	<.7	<.7	<120	<68	<40	<.5	<.5	<120	-
	06/10/98	<.5	<.6	<85	<.7	<.7	<.7	<120	<68	<40	<.5	<.5	<120	-
	10/27/98	<.24	<.23	<.27	<.28	<.27	<.26	<.17	<.21	<.26	<.23	<.29	<.36	-
	02/09/99	<.13	<.15	<.14	<.15	<.16	<.17	***	0.91	<.14	<.15	<.14	***	<.37
	06/08/99	<.13	<.15	<.14	<.15	<.16	<.17	***	<.13	<.14	<.15	<.14	***	<.37
	03/13/00	<.32	<.28	<.36	<.35	<.15	<.39	***	<.37	<.33	<.11	<.34	***	<.71
	03/01/01	<.12	<.15	<.64	<.13	<.28	<.13	***	<.17	<.17	<.25	<.13	***	<.56
	03/19/02	<.12	<.15	<.64	<.13	<.28	<.13	***	<.17	<.17	<.25	<.13	***	<.56
	03/24/03	<.35	<.35	<.35	<.39	<.39	<.37	***	<.40*	<.42	<.32	<.42	***	<.43
MW-102	02/20/97	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	-
	05/27/97	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	-
	09/18/97	<.5	<.6	<.85	<.85	<.7	<.7	<124	<68	<40	<.5	<.5	<124	-
	12/12/97	<.5	<.6	<.85	<.85	<.7	<.7	<120	<68	<40	<.5	<.5	<120	-
	03/25/98	<.5	<.6	<.85	<.85	<.7	<.7	<.4	<68	<40	<.5	<.5	.4*	-
	06/10/98	<.5	<.6	<.85	<.85	<.7	<.7	<120	<68	<40	<.5	<.5	<120	-
	10/27/98	<.24	<.23	<.27	<.28	<.27	<.26	<.17	<.21	<.26	<.23	<.29	<.36	-
	02/09/99	<.13	<.15	<.14	<.15	<.16	<.17	***	0.65	<.14	<.15	<.14	***	<.37
	06/08/99	<.13	<.15	<.14	<.15	<.16	<.17	***	.21*	<.14	<.15	<.14	***	<.37
	09/13/99	<.13	<.15	<.14	<.15	<.16	<.17	***	<.13	<.14	<.15	<.14	***	<.37
	03/13/00	<.32	<.28	<.36	<.35	<.15	<.39	***	<.37	<.33	<.11	<.34	***	<.71
	03/01/01	<.12	<.15	<.64	<.13	<.28	<.13	***	<.17	<.17	<.25	<.13	***	<.56
	03/19/02	<.12	<.15	<.64	<.13	<.28	<.13	***	<.17	<.17	<.25	<.13	***	<.56
	03/24/03	<.35	<.35	<.35	<.39	<.39	<.37	***	<.37	<.42	<.32	<.42	***	<.43
MW-103	02/20/97	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	-
	05/27/97	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	-
	09/18/97	<.5	<.6	<.85	<.7	<.7	<.7	<124	<68	<40	<.5	<.5	<124	-
	12/12/97	<.5	<.6	<.85	<.7	<.7	<.7	<120	<68	<40	<.5	<.5	<120	-
	03/25/98	<.5	<.6	<.85	<.7	<.7	<.7	<120	<68	<40	<.5	<.5	<120	-
	06/10/98	<.5	<.6	<.85	<.7	<.7	<.7	<120	<68	<40	<.5	<.5	<120	-
	10/27/98	<.24	<.23	<.27	<.28	<.27	<.26	<.17	<.21	<.26	<.23	<.29	<.36	-
	02/09/99	<.13	<.15	<.14	<.15	<.16	<.17	***	.15*	<.14	<.15	<.14	***	<.37
	06/08/99	<.13	<.15	<.14	<.15	<.16	<.17	***	<.13	<.14	<.15	<.14	***	<.37
	09/13/99	<.13	<.15	<.14	<.15	<.16	<.17	***	<.13	<.14	<.15	<.14	***	<.37
	03/13/00	<.32	<.28	<.36	<.35	<.15	<.39	***	<.37	<.33	<.11	<.34	***	<.71
	03/01/01	<.12	<.15	<.64	<.13	<.28	<.13	***	<.17	<.17	<.25	<.13	***	<.56
	03/19/02	<.12	<.15	<.64	<.13	<.28	<.13	***	<.17	<.17	<.25	<.13	***	<.56
	03/24/03	<.35	<.35	<.35	<.39	<.39	<.37	***	<.37	<.42	<.32	<.42	***	<.43

Table #7

GROUNDWATER ANALYTICAL RESULTS
Volatile Organic Compounds (VOC's)
 N.W. Mauthe Superfund Site - Appleton, Wisconsin
 MCO No. M0050-930746.26

Well Name	Sample Date	Benzene (ug/l)	Chloroform (ug/l)	1,1-Dichloroethane (ug/l)	1,1-Dichloroethene (ug/l)	cis-1,2-Dichloroethene (ug/l)	Trans-1,2-Dichloroethene (ug/l)	Ortho-Xylene (ug/l)	Toluene (ug/l)	1,1,1-Trichloroethane (ug/l)	1,1,2-Trichloroethane (ug/l)	Trichloroethene (ug/l)	Meta, para Xylene (ug/l)	Total Xylenes (ug/l)
MW-104	02/20/97	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
	05/27/97	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
	09/18/97	<.5	<.6	<85	<.7	<.7	<.7	<124	<68	.324*	<.5	<.5	<124	<.5
	12/12/97	<.5	<.6	0.4	<.7	<.7	<.7	<120	<68	1*	<.5	0.9	<120	<.5
	03/25/98	<.5	<.6	<85	<.7	<.7	<.7	<120	<68	.8*	<.5	<.5	<120	<.5
	06/10/98	<.5	<.6	<85	<.7	<.7	<.7	<120	<68	2*	<.5	<.5	<120	<.5
	10/27/98	<.24	<.23	.35*	<.28	<.27	<.26	<.17	<.21	1.8	<.23	<.29	<.36	<.5
	02/09/99	<.13	<.15	.38*	<.15	<.16	<.17	***	.17*	1.5	<.15	<.14	***	<.37
	06/08/99	<.13	<.15	.34*	<.15	<.16	<.17	***	.14*	1.4	<.15	<.14	***	<.37
	09/13/99	<.13	<.15	.38*	<.15	<.16	<.17	***	.27*	1.6	<.15	<.14	***	<.37
	03/13/00	<.32	<.28	.38 *	<.35	<.15	<.39	***	<.37	1.6	<.11	<.34	***	<.71
	03/01/01	<.12	<.15	<.64	<.13	<.28	<.13	***	<.17	2.8	<.25	<.13	***	<.56
	03/19/02	<.12	<.15	<.64	<.13	<.28	<.13	***	<.17	2.4	<.25	<.23	***	<.56
	03/24/03	<.35	<.35	<.35	<.39	<.39	<.37	***	<.37	1.3*	<.32	<.42	***	<.43
MW-105	02/20/97	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
	05/27/97	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
	09/18/97	<.5	<.6	<85	<.7	<.7	<.7	<124	<68	<40	<.5	<.5	<124	<.5
	12/12/97	<.5	<.6	<85	<.7	<.7	<.7	<120	<68	<40	<.5	<.5	<120	<.5
	03/25/98	<.5	<.6	<85	<.7	<.7	<.7	<.4	<68	<40	<.5	<.5	.4*	<.5
	06/10/98	<.5	<.6	<85	<.7	<.7	<.7	<120	<68	<40	<.5	<.5	<120	<.5
	10/27/98	<.24	<.23	<.27	<.28	<.27	<.26	<.17	<.21	<.26	<.23	<.29	<.36	<.5
	02/09/99	.16*	<.15	<.14	<.15	<.16	<.17	***	.3*	<.14	<.15	<.14	***	<.37
	06/08/99	<.13	<.15	<.14	<.15	<.16	<.17	***	<.13*	<.14	<.15	<.14	***	<.37
	09/13/99	<.13	<.15	<.14	<.15	<.16	<.17	***	<.13	<.14	<.15	<.14	***	<.37
	03/13/00	<.32	<.28	<.36	<.35	<.15	<.39	***	<.37	<.33	<.11	<.34	***	<.71
	03/01/01	<.12	<.15	<.64	<.13	<.28	<.13	****	<.17	<.17	<.25	<.13	***	<.56
	03/19/02	<.12	<.15	<.64	<.13	<.28	<.13	***	<.17	<.17	<.25	<.13	***	<.56
	03/24/03	<.35	<.35	<.35	<.39	<.39	<.37	***	0.64*	<.42	<.32	<.42	***	<.43
MW-106	02/20/97	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
	05/27/97	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
	09/18/97	<.5	<.6	<85	<.7	<.7	<.7	<124	<68	2.73*	<.5	<.5	<124	<.5
	12/12/97	<.5	<.6	<85	<.7	<.7	<.7	<120	<68	<40	<.5	<.5	<120	<.5
	03/25/98	<.5	<.6	<85	<.7	<.7	<.7	<120	<68	<40	<.5	<.5	<120	<.5
	06/10/98	<.5	<.6	<85	<.7	<.7	<.7	<120	<68	<40	<.5	<.5	<120	<.5
	10/27/98	<.24	<.23	<.27	<.28	<.27	<.26	<.17	<.21	<.26	<.23	<.29	<.36	<.5
	02/09/99	.18*	<.15	<.14	<.15	<.16	<.17	***	<.17	<.14	<.15	<.14	***	<.37
	06/08/99	<.13	<.15	<.14	<.15	<.16	<.17	***	<.13	<.14	<.15	<.14	***	<.37
	09/13/99	<.13	<.15	<.14	<.15	<.16	<.17	***	<.13	<.14	<.15	<.14	***	<.37
	03/13/00	<.32	<.28	<.36	<.35	<.15	0.39	***	<.37	<.33	<.11	<.34	***	<.71
	03/01/01	<.12	<.15	<.64	<.13	<.28	<.13	***	<.17	<.17	<.25	<.13	***	<.56
	03/19/02	<.12	<.15	<.64	<.13	<.28	<.13	***	<.17	<.17	<.25	<.13	***	<.56
	03/24/03	<.35	<.35	<.35	<.39	<.39	<.37	***	5.7	<.42	<.32	<.42	***	<.43

Table #7

GROUNDWATER ANALYTICAL RESULTS
Volatile Organic Compounds (VOC's)
 N.W. Mauthe Superfund Site - Appleton, Wisconsin
 MCO No. M0050-930746.26

Well Name	Sample Date	Benzene (ug/l)	Chloroform (ug/l)	1,1-Dichloroethane (ug/l)	1,1-Dichloroethene (ug/l)	cis-1,2-Dichloroethene (ug/l)	Trans-1,2-Dichloroethene (ug/l)	Ortho-Xylene (ug/l)	Toluene (ug/l)	1,1,1-Trichloroethane (ug/l)	1,1,2-Trichloroethane (ug/l)	Trichloroethene (ug/l)	Meta, para Xylene (ug/l)	Total Xylenes (ug/l)
MW-107	02/20/97	<.5	0.3	11	8.4	0.7	<.7	<.5	<.5	81	0.6	50	<.5	-
	05/27/97	0.09	1.10	36	40	3.1	<3.1	<.5	0.34	390	3.5	420	<.5	-
	09/18/97	<10	<12	47.6*	22.1	2.61*	<2.61	<2480	<68	265*	2.83	295	<2480	-
	12/12/97	<10	<12	56*	23	3*	<3	<2500	<68	280	3	290	<2500	-
	03/25/98	<25	<30	61*	69	5*	<5	<17	<68	720	5	620	17*	-
	06/10/98	<12	<15	59*	58	<3	<3	<3100	63*	340*	4*	390	<3100	-
	10/27/98	<.24	1.4	62	46*	3.6	51*	<.17	<.21	550	4.9	640	<.36	-
	02/09/99	<3.2	<3.8	48	24	<4.0	<4.2	***	<3.2	220	<.38	250	***	<9.2
	06/08/99	<2.6	<3.0	42	20	<3.2	<3.4	***	<2.6	200	<3.0	310	***	<7.4
	09/13/99	<.26	<3.0	34	19	<3.2	<3.4	***	<2.6	180	<3.0	320	***	<7.4
	12/15/99	<3.2	<3.8	37	56	4.6 *	<4.2	***	<3.2	570	4.5 *	880	***	<9.2
	03/13/00	<26	<23	50 *	32 *	<12	<31	***	<30	340	<.90	630	***	<57
	06/22/00	<26	<23	<29	50 *	<12	<31	***	<30	540	<.9	850	***	<57
	09/27/00	<26	<23	35*	54*	<12	<31	***	<30	560	<.9	870	***	<57
	12/19/00	<6.4	<5.6	36	53	4.5*	<7.8	***	<7.5	480	4.1*	790	***	<20
	03/01/01	<6.0	<7.4	<32	<6.7	<14	<6.5	***	<8.7	420	<13	760	***	<28
	06/25/01	<6.5	<15	26	35	<.9	<6.1	***	<6.2	360	<6.5	620	***	<32
	09/24/01	<6.5	<15	36	50	<.9	<6.1	***	<6.2	480	<6.5	760	***	<32
	12/05/01	<6.5	<15	40	50	<.9	<6.1	***	<6.2	500	<6.5	810	***	<32
	03/19/02	<6.0	<7.5	37*	43	<14	<6.5	***	<8.7	440	<13	740	***	<28
	06/20/02	<7.9	<11	31	39	<7.2	<8.9	***	<7.6	410	<6.8	690	***	<14
	09/18/02	<7.9	<11	34	39	<7.2	<8.9	***	<7.6	430	<6.8	710	***	<14
	12/17/02	<7.9	<11	40	43	<7.2	<8.9	***	<7.6	470	<6.8	850	***	<14
	03/24/03	<.17	<.18	33*	37*	<.19	<.19	***	<.19	390	<.16	640	***	<.22
	06/10/03	<5.7	<8.0	<5.3	39	<.11	<8.2	***	<7.2	400	<.90	680	***	<.17
	09/10/03	<.17	<.18	36*	41*	<.19	<.19	***	<.19	430	<.16	730	***	<.22
	12/10/03	<.17	<.18	25*	31*	<.19	<.19	***	<.19	380	<.16	740	***	<.22
	03/24/04	<7.5	<7.0	<7.1	22	<6.8	<6.0	***	<7.6	220	<8.1	370	***	<.19
	07/29/04	<2.0	<.18	29	25	<.41	<.44	***	<.34	310	3.4	510	***	<13.1
	09/22/04	<7.5	<7.0	28	34	<6.8	<6.0	***	<7.6	270	<8.1	570	***	<.19
	12/14/04	<7.5	<7.0	33	40	<6.8	<6.0	***	<7.6	410	<8.1	800	***	<.19
	03/29/05	<2.0	<.18	39	20	<.41	<.44	***	<.34	200	0.21	330	***	<13.1
	06/22/05	<.10	<0.92	18	8.2	<.21	<.22	***	<.17	82	<.10	160	***	<.66
	09/21/05	<.20	<.18	39	18.0	<.41	<.44	***	<.34	220	<.21	470	***	<13.1
	12/15/05	<.20	<.18	42	26.0	<.41	<.44	***	<.34	250	<.21	490	***	<13.1
	03/23/06	<.20	<.18	31	16.0	<.41	<.44	***	<.34	150	<.21	330	***	<13.1
	06/28/06	<.20	<.18	37	28.0	<.41	<.44	***	<.34	270	<.21	550	***	<13.1
	09/20/06	<.41	<.37	32	31.0	<.83	<.89	***	<.67	330	<.42	700	***	<26.3
	12/19/06	<.20	<.18	52	30	<.41	<.44	***	<.34	280	3.3*	580	***	<13.1
	03/28/07	<0.82	<.74	19	18	2.1	<.18	***	<1.3	190	1.7	340	***	<.53
	07/03/07	<.10	<0.92	30	15	2.3	<.22	***	<.17	160	1.5	350	***	<.66
	09/28/07	<.20	<.18	35	19	<.41	<.44	***	<.34	210	2.4*	420	***	<13.1

Table #7

GROUNDWATER ANALYTICAL RESULTS
Volatile Organic Compounds (VOC's)
 N.W. Mauthe Superfund Site - Appleton, Wisconsin
 MCO No. M0050-930746.26

Well Name	Sample Date	Benzene (ug/l)	Chloroform (ug/l)	1,1-Dichloroethane (ug/l)	1,1-Dichloroethene (ug/l)	cis-1,2-Dichloroethene (ug/l)	Trans-1,2-Dichloroethene (ug/l)	Ortho-Xylene (ug/l)	Toluene (ug/l)	1,1,1-Trichloroethane (ug/l)	1,1,2-Trichloroethane (ug/l)	Trichloroethene (ug/l)	Meta, para Xylene (ug/l)	Total Xylenes (ug/l)
MW-108	02/20/97	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	-
	05/27/97	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	-
	09/18/97	<.5	<.6	<85	<.7	<.7	<.7	<124	<68	<40	<.5	<.5	<124	-
	12/12/97	<.5	<.6	<85	<.7	<.7	<.7	<120	<68	<40	<.5	<.5	<120	-
	03/25/98	<.5	<.6	<85	<.7	<.7	<.7	<120	<68	<40	<.5	<.5	<120	-
	06/10/98	<.5	<.6	<85	<.7	<.7	<.7	<120	<68	<44	<.5	<.5	<120	-
	10/27/98	<.24	<.23	<.22	<.28	<.27	<.26	<.17	<.21	<.26	<.23	<.29	<.36	-
	02/09/99	<.13	<.15	<.14	<.15	<.16	<.17	***	0.83	<.14	<.15	<.14	***	<.37
	06/08/99	<.13	<.15	<.14	<.15	<.16	<.17	***	.15*	<.14	<.15	<.14	***	<.37
	09/13/99	<.13	<.15	<.14	<.15	<.16	<.17	***	0.84	<.14	<.15	<.14	***	<.32
	03/13/00	<.32	<.28	<.36	<.35	<.15	<.39	***	<.37	<.33	<.11	<.36	***	<.71
	03/31/01	<.12	<.15	<.64	<.13	<.28	<.13	***	<.17	<.17	<.25	<.13	***	<.56
	03/19/02	<.12	<.15	<.64	<.13	<.28	<.13	***	<.17	<.17	<.25	<.13	***	<.56
	03/24/03	<.35	<.35	<.35	<.39	<.39	<.37	***	<.37	<.42	<.32	<.42	***	<.43
MW-109	06/21/06	-	0.40*	1.3*	1.9	<0.83	<0.89	-	-	37	0.45*	46	-	-
	09/20/06	-	0.39*	1.7*	2.2	<0.83	<0.89	-	-	37	0.45*	51	-	-
	12/19/06	<0.41	0.44*	2.7	1.1*	<0.83	<0.89	-	-	33	0.52*	42	-	<2.63
	03/29/07	<0.41	<0.37	0.85	1.3	<0.83	<0.89	-	<13	27	<0.42	37	-	<2.63
	07/03/07	<0.41	0.38*	1.7	1.3	<0.83	<0.89	-	<0.67	34	0.54	47	-	<2.63
	09/28/07	<0.41	<0.37	<0.75	1.1*	<0.83	<0.89	-	<0.67	22	<0.42	35	-	<2.63
MW-110	06/21/06	-	<3.7	310	340	56	19	-	-	1,500	<4.2	27	-	-
	09/20/06	-	<3.7	260	300	57	28*	-	-	1,100	<4.2	30	-	-
	12/19/06	<4.1	<3.7	230	240	55	16*	-	<6.7	910	<4.2	23	-	<2.63
	03/29/07	<8.2	<7.4	250	340	59	24	-	<13	1,500	<8.4	32	-	<53
	07/03/07	<8.2	<7.4	270	230	59	18	-	<13	1,300	<8.4	26	-	<53
	09/28/07	<10	<9.2	380	350	67*	23*	-	<17	1,600	<10	32*	-	<2.63
MW-111	06/21/06	-	0.59*	2.7	11	<0.83	<0.89	-	-	78	0.71	180	-	-
	09/20/06	-	<0.37	3.2	7.7	<0.83	<0.89	-	-	36	<0.42	97	-	-
	12/19/06	<0.41	<0.37	2.0*	1.5*	<0.83	<0.89	-	<0.67	7.9	<0.42	21	-	<2.63
	03/29/07	<0.41	0.77	1.7	7.3	<0.83	<0.89	-	<0.67	52	<0.42	120	-	<2.63
	07/03/07	<0.41	<0.37	<0.36	1.8	<0.83	<0.89	-	<0.67	14	<0.42	37	-	<2.63
	09/28/07	<0.41	<0.37	2.4*	2.8	<0.83	<0.89	-	<0.67	22	<0.42	55	-	<2.63
MW-112	06/21/06	-	<1.8	<3.7	<3.8	<4.1	<4.4	-	-	7.9*	<2.1	450	-	-
	09/20/06	-	<0.37	<7.5	<5.7	<8.3	<8.9	-	-	<9.0	<4.2	540	-	-
	12/19/06	<2.0	<1.8	<3.8	<2.8	<4.1	<4.4	-	<3.4	<4.5	<2.1	240	-	<13.1
	03/29/07	<4.1	<3.7	<7.5	<5.7	<8.3	<8.9	-	<6.7	20	<4.2	940	-	<26.3
	07/03/07	<2.0	<1.8	<3.8	<2.8	<4.1	<4.4	-	<3.4	11	<2.1	750	-	<13.1
	09/28/07	<4.1	<3.7	<7.5	<5.7	<8.3	<8.9	-	<6.7	13*	<4.2	820	-	<2.63
MW-113	06/21/06	-	<0.74	37	44	4.4*	<1.8	-	-	240	<0.84	92	-	-
	09/20/06	-	<0.37	22	19	3.6	1.3*	-	-	120	0.82*	81	-	-
	12/19/06	<2.0	<1.8	28	16	5.2*	<4.4	-	<3.4	120	<2.1	91	-	<13.1
	03/29/07	<0.41	<0.37	10	11	1.6	<0.89	-	<0.67	77	<0.42	46	-	<2.63
	07/03/07	<2.0	<1.8	21	8.1	4.9	<4.4	-	<13.1	79	<2.1	61	-	<13.1
	09/28/07 ⁷⁵	<0.41	0.57	35	17	8.9	<0.89	-	<0.67	130	1.5	97	-	<2.63

Table #7

GROUNDWATER ANALYTICAL RESULTS
Volatile Organic Compounds (VOC's)
 N.W. Mauthe Superfund Site - Appleton, Wisconsin
 MCO No. M0050-930746.26

Well Name	Sample Date	Benzene (ug/l)	Chloroform (ug/l)	1,1-Dichloroethane (ug/l)	1,1-Dichloroethene (ug/l)	cis-1,2-Dichloroethene (ug/l)	Trans-1,2-Dichloroethene (ug/l)	Ortho-Xylene (ug/l)	Toluene (ug/l)	1,1,1-Trichloroethane (ug/l)	1,1,2-Trichloroethane (ug/l)	Trichloroethene (ug/l)	Meta, para Xylene (ug/l)	Total Xylenes (ug/l)
PZ-5	07/19/05	<0.37	<0.75	<0.57	<0.83	<0.89	NA	NA	1.7*	<0.42	<0.48	NA	NA	N
	09/21/05	<0.37	<0.75	<0.57	<0.83	<0.89	NA	NA	<0.90	<0.42	<0.48	NA	NA	NA
PZ-6	07/19/05	<0.37	<0.75	<0.57	<0.83	<0.89	NA	NA	<0.90	<0.42	<0.48	NA	NA	NA
	09/21/05	<0.37	<0.75	<0.57	<0.83	<0.89	NA	NA	<0.90	<0.42	<0.48	NA	NA	NA
1992 US EPA MCL		5.0	100	-	7.0	70	100	10,000	1,000	200	5.0	5.0	10,000**	10,000
1992 Enforcement Standards (ES) 140.10		5	6	850	7	100	100	620**	343	200	0.6	5	620**	620
1992 Preventive Action Plan (PAL) 140.10		0.067	0.6	85	0.024	10	20	124**	68.6	40	0.06	0.18	124**	124

EXPLANATION:

Results prior to 10/27/98 for cis-1,2-Dichloroethene and Trans-1,2 Dichloroethene were listed as Total Dichloroethene and were placed in this table under the heading cis-1,2-Dichlo
 Results prior to 10/27/98 for Ortho Xylene and Meta, para Xylene were listed as Total Xylenes and were placed in this table under the heading Meta, para Xylene.

* = Analyte detected between limit of detection and limit of quantitation.

** = Standard includes Ortho-, Meta, para-Xylenes

*** = As of 02/09/99 Xylene results are listed as "Total Xylenes".

WM Equipment Malfunction, no accurate measurement.

NOTE: The EPA Record of Decision establishes the 1992 PAL's as the clean-up goals for the site.

A = 1,2-Dichloroethane was detected at 0.87 ug/l.

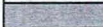
ND = Not Detected

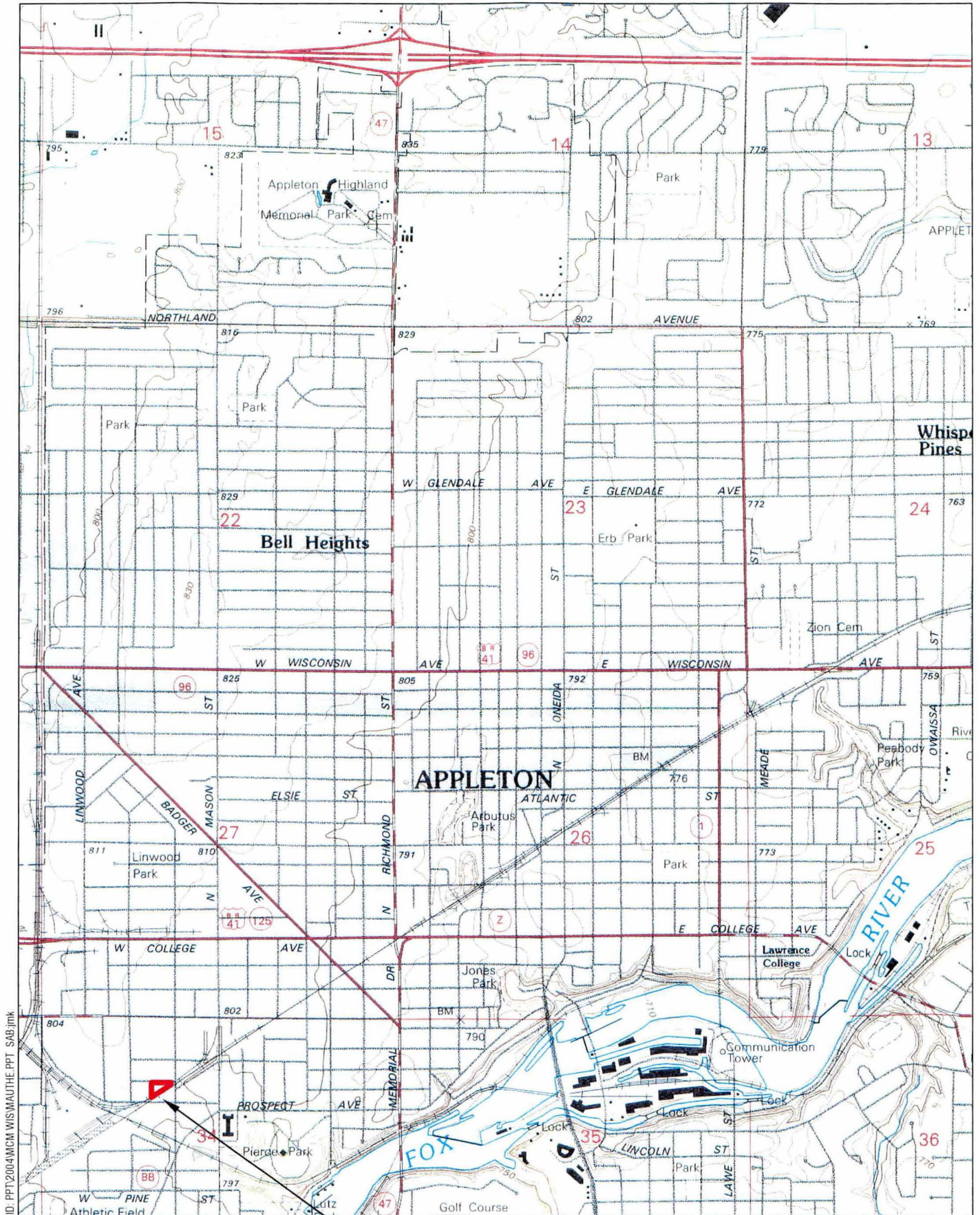
NA = Not Analyzed

MCL = Maximum Contaminant Levels

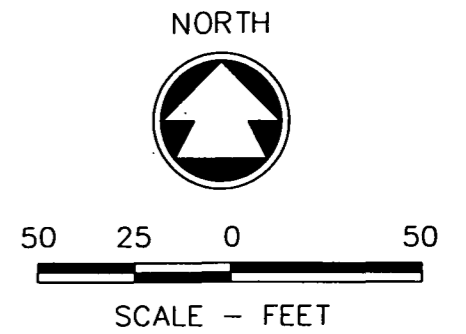
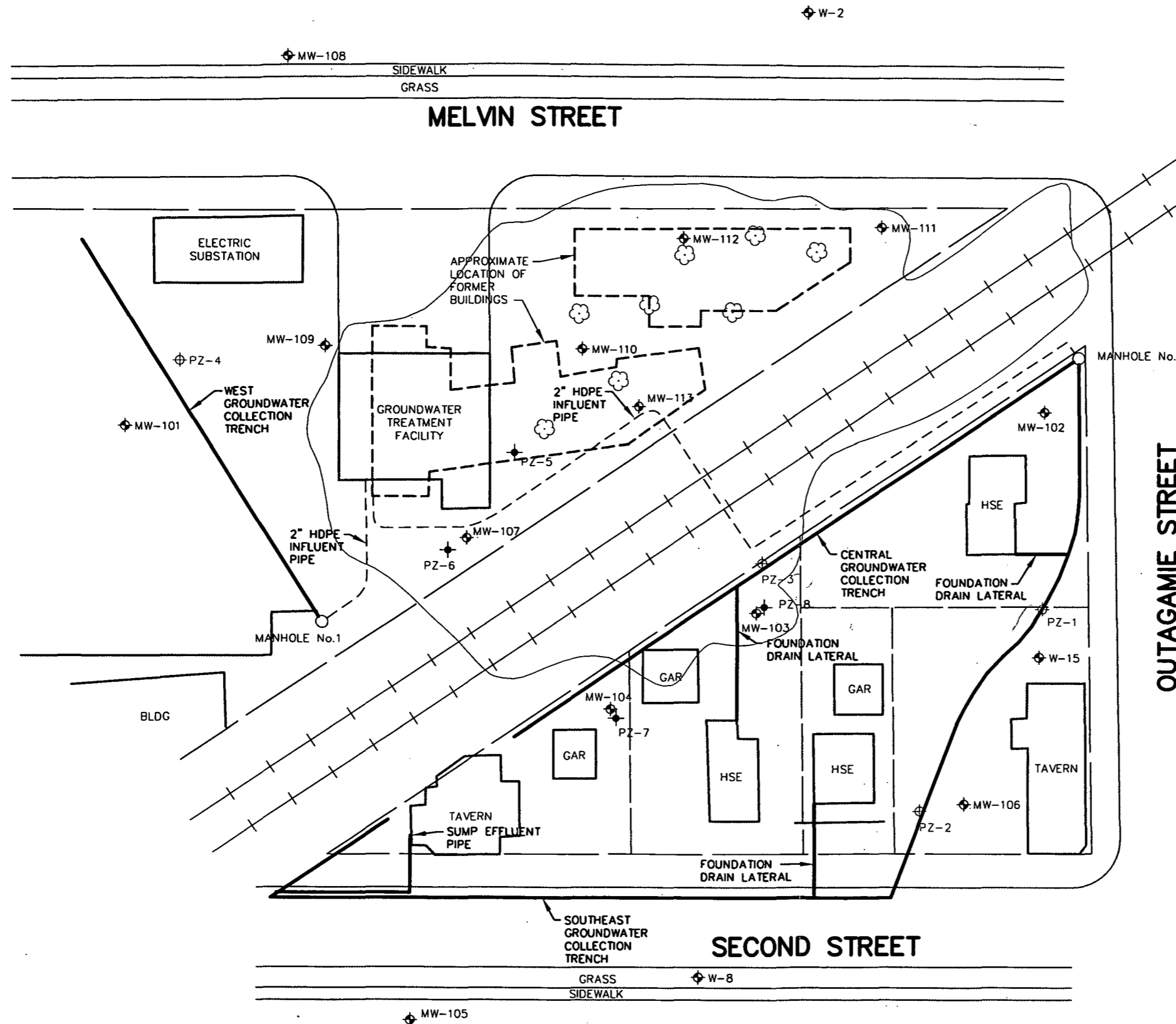
ug/l = Microgram/Liter

 = Indicates an exceedance of the 1992 NR 140 Groundwater Quality Enforcement Standards (ES)

 = Indicates an exceedance of the 1992 NR 140 Groundwater Quality Preventive Action Limits (PAL)



ID: PPT2004MCM WISMAUTHE.PPT_SAB.jmk



LEGEND

- ◆ MW-101 MONITORING WELL
- ◆ PZ-8 PIEZOMETER (Installed by Omni Associates, Inc. in 2005)
- ⊕ PZ-1 ABANDONED PIEZOMETER

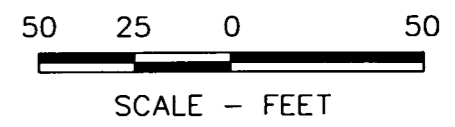
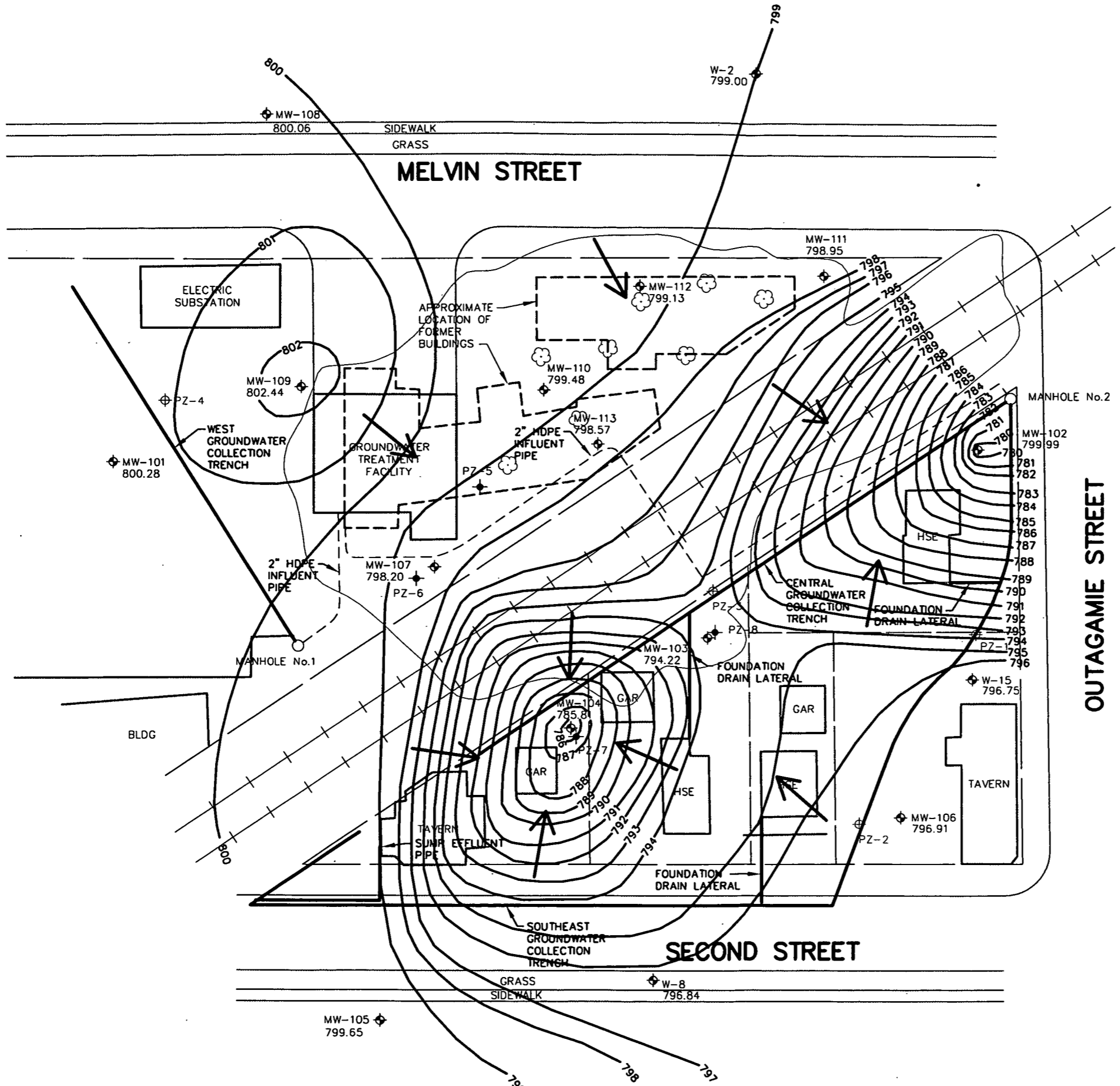
○ APPROXIMATE SOIL REMEDIATION EXCAVATION LIMITS JULY 11 - OCTOBER 27, 1995 (10,834 TONS)

Note:
Monitoring wells MW-109 through MW-113 were installed by Omni Associates, Inc. in May, 2006.

FIGURE 2
COLLECTION TRENCH AND MONITORING WELL LOCATIONS
N.W. MAUTHE SUPERFUND SITE

APPLETON, WISCONSIN
McM# M0050-930746.26 SEPTEMBER 2007

c:\clemens w\DWG\M0050\930746\26\20070928\Fig-02.dwg 11/29/07 1:03 PM



LEGEND

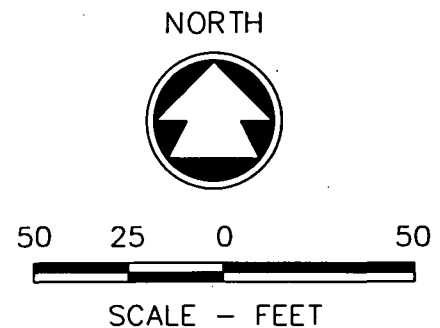
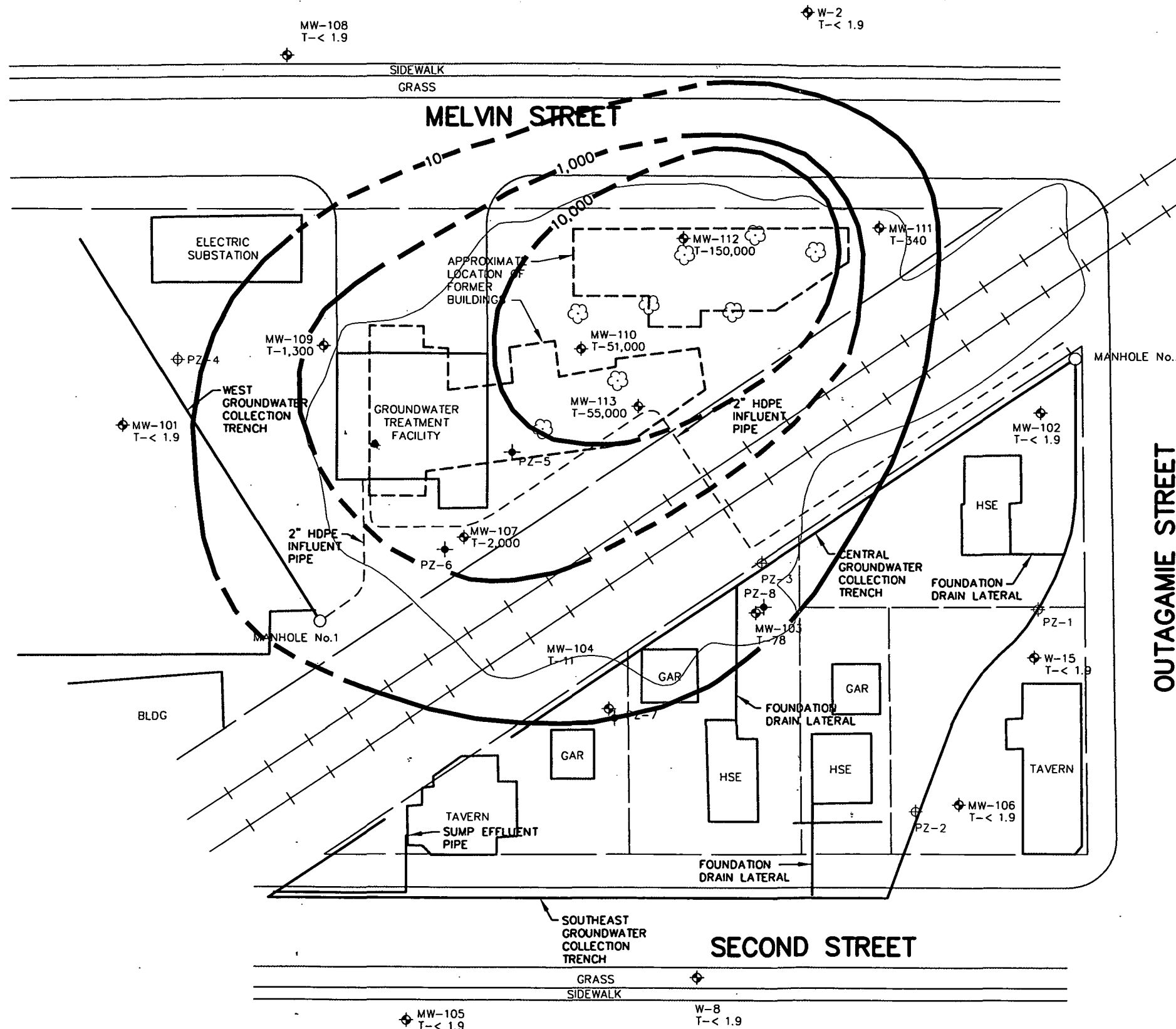
- ◆ MW-101 MONITORING WELL
 - ◆ PZ-8 PIEZOMETER (Installed by Omni Associates, Inc. in 2005)
 - ⊕ PZ-1 ABANDONED PIEZOMETER
 - APPROXIMATE SOIL REMEDIATION EXCAVATION LIMITS JULY 11 - OCTOBER 27, 1995 (10,834 TONS)
 - ◆ W-2 799.00 MONITORING WELL & GROUNDWATER ELEVATION
 - ↗ GROUNDWATER FLOW DIRECTION
 - 797 — GROUNDWATER CONTOUR
- NOTE:
THE GROUNDWATER CONTOURS WERE DRAWN ASSUMING NO INFLUENCE BY THE GROUNDWATER COLLECTION SYSTEM, WHICH IS NOT THE CASE.

Note:
Monitoring wells MW-109 through MW-113 were installed by Omni Associates, Inc. in May, 2006.

FIGURE 3
GROUNDWATER CONTOURS
SEPTEMBER 27, 2007
N.W. MAUTHE SUPERFUND SITE

APPLETON, WISCONSIN
McM# M0050-930746.26

cclermens W:\DWG\M0050\930746\26\20070928\Fig-03.dwg 11/29/07 3:39 PM



LEGEND

- ◆ MW-101 MONITORING WELL
- ◆ PZ-8 PIEZOMETER (Installed by Omni Associates, Inc. in 2005)
- ⊕ PZ-1 ABANDONED PIEZOMETER
- APPROXIMATE SOIL REMEDIATION EXCAVATION LIMITS JULY 11 - OCTOBER 27, 1995 (10,834 TONS)
- 10** ISOCONCENTRATION OF TOTAL CHROMIUM (ESTIMATED) (dashed where inferred)
- < LESS THAN THE DETECTION LIMIT
- ug/L MICROGRAM/LITER
- T TOTAL CHROMIUM CONCENTRATION (ug/L) IN THE GROUNDWATER
- H HEXAVALENT CHROMIUM CONCENTRATION (ug/L) IN THE GROUNDWATER
- ANALYTE DETECTED IN THE AREA OF LESS CERTAIN QUANTITATION

NOTE:
 DATA SHOWN FROM MONITORING WELLS W-2, W-8, W-15, MW-101, MW-102, MW-105, MW-106 AND MW-108 ARE FROM THE MOST RECENT ANNUAL SAMPLING EVENT. SEE TABLE 6 FOR DATE.

Note:
 Monitoring wells MW-109 through MW-113 were installed by Omni Associates, Inc. in May, 2006.

FIGURE 4
ISOCONCENTRATION MAP
TOTAL CHROMIUM ug/L in Groundwater
SEPTEMBER 28, 2007
N.W. MAUTHE SUPERFUND SITE
 APPLETON, WISCONSIN
 McM# M0050-930746.26

clemens w:\DWC\M0050\930746\26\20070928\Fig-04.dwg 11/29/07 1:47 PM

APPENDIX A

FORM 4400-194

"OPERATION, MAINTENANCE, MONITORING & OPTIMIZATION REPORTING
OF SOIL & GROUNDWATER REMEDIATION SYSTEMS"

OPERATION, MAINTENANCE, MONITORING
AND OPTIMIZATION REPORTING OF
SOIL AND GROUNDWATER REMEDIATION SYSTEMS

PURPOSE AND APPLICABILITY OF THIS FORM: Completion of this form is required under s. NR 724.13(e), Wis. Adm. Code. Use of this form is mandatory. Failure to submit this form as required is a violation of s. NR 724.13, Wis. Adm. Code, and is subject to the penalties in s. 144.99, Wis. Stats. This form must be submitted every six months for active soil and groundwater remediation projects and every twelve months for passive (natural attenuation) remediation projects that are regulated under the NR 700 series of Wis. Adm. Code. Specifically, for sites meeting any of the following criteria:

- Soil or groundwater remediation projects that report progress in accordance with s. NR 700.11(1), Wis. Adm. Code.
- Soil or groundwater remediation projects that report progress in accordance with s. NR 724.13(3), Wis. Adm. Code. (Note: s. NR 724.13(3) requires progress reports for operation and maintenance of active systems to be submitted every three months however the Department considers submittal of this form every six months to satisfy the requirements of the rules, unless otherwise directed by the Department on a site specific basis.)
- Soil or groundwater remediation projects that report progress in accordance with s. NR 724.17(3), Wis. Adm. Code. (Note: s. NR 724.17(3) requires progress reports every time that samples are collected however the Department considers submittal of this form every twelve months to satisfy the requirements of the rules for monitoring natural attenuation, unless otherwise directed by the Department on a site specific basis.)

Submittal of this form is not a substitute for reporting required by Department programs such as Wastewater or Air Management. Personally identifiable information on this form is not intended to be used for any other purpose than tracking progress of the remediation by the Bureau for Remediation and Redevelopment.

Please refer to the instructions that are attached to the back of these forms starting on page INS-1. In all cases, when asked to "explain," those explanations are to be included on separate sheets of paper. Explanations must include a title that refers to the page and item number, for example: Page GI-2, C.1.a.

A. GENERAL INFORMATION: N.W. Mauthe Superfund Site

1. Site name: _____
2. Reporting period from: April 1, 2007 To: October 13, 2007 Days in period: 196
3. Regulatory agency (enter DNR, DCOM, DATCP and/or other): WDNR and USEPA
4. DNR issued site number: BRRTS# 02-45-000127
5. State reimbursement fund claim number and fund name (if not applicable, enter NA): NA
6. Site location:
 - a. DNR region and county: Northeast Region, Outagamie County
 - b. Street address and municipality: 725 South Outagamie St. Appleton, WI
 - c. Township, range, section and quarter quarter section: NE1/4 of NW1/4 of Sec. 34, T21N, R17E
7. Responsible party:
 - a. Name: Carol Mauthe (DNR Contact: Jennifer Borski)
 - b. Mailing address: WDNR, 625 East County Rd. Y, Suite 700
Oshkosh, WI 54901-9731
 - c. Phone number: (920) 424-7887
8. Consultant:
 - a. Company name: McMahon Associates, Inc.
 - b. Mailing address: P.O. Box 1025
Neenah, WI 54957-1025
 - c. Phone number: (920) 751-4200
9. Contaminants: Chromium, VOCs and Cyanide
10. Soil types (USCS or USDA): silty clay and clay
11. Hydraulic conductivity (cm/sec): + or - 1x10⁻⁷ 12. Average linear velocity of groundwater (ft/yr): -

OPERATION, MAINTENANCE, MONITORING
AND OPTIMIZATION REPORTING OF
SOIL AND GROUNDWATER REMEDIATION SYSTEMS

GENERAL SITE INFORMATION, CONTINUED

SITE NAME AND REPORTING PERIOD:

Site name: N.W. Mauthe Superfund Site

Reporting period from: April 1, 2007 To: October 13, 2007 Days in period: 196

A. GENERAL INFORMATION (CONTINUED):

13. If soil is treated ex situ, is the treatment location off site? (Y/N) If yes, give location:

a. DNR region and county: NA

b. Township, range, section and quarter quarter section: _____

B. REMEDIATION METHOD: Only submit pages that apply to an individual site. Check all that apply:

- Groundwater extraction (submit a completed page GW-1).
- Free product recovery (submit a completed page GW-1).
- In situ air sparging (submit a completed page GW-2).
- Groundwater natural attenuation (submit a completed page GW-3).
- Other groundwater remediation method (submit a completed page GW-4).
- Soil venting (including soil vapor extraction and bioventing, submit a completed page IS-1).
- Soil natural attenuation (submit a completed page IS-2).
- Other in situ soil remediation method (submit a completed page IS-3).
- Biopiles (submit a completed page ES-1).
- Landspreading/thinspreading of petroleum contaminated soil (submit a completed page ES-2).
- Other ex situ soil remediation method (submit a completed page ES-3).

C. GENERAL EFFECTIVENESS EVALUATION FOR ALL ACTIVE SYSTEMS: If the remediation is active (not natural attenuation), complete this subsection.

1. Is the system operating at design rates and specifications? (Y/N): (Y)
If the answer is no, explain whether or not modifications are necessary to achieve the goal that was previously established in design.
2. Are modifications to the system warranted to improve effectiveness? (Y/N) If yes, explain: _____
3. Is natural attenuation an effective low cost option at this time? (Y/N): _____
4. Is closure sampling warranted at this time? (Y/N): (Y)
5. Are there any modifications that can be made to the remediation to improve cost effectiveness? (Y/N) If yes, explain: unknown

D. ECONOMIC AND COST DATA TO DATE:

1. Total investigation costs (\$): _____
2. Implementation costs (design, capital and installation costs, excluding investigation costs) (\$): NA
3. Total costs during the previous reporting period (\$): _____
4. Total costs during this reporting period (\$): \$12,675
5. Total anticipated costs for the next reporting period (\$): _____
6. Are any unusual or one-time costs listed in the reporting periods covered by D.3., D.4. or D.5. above? (Y/N) If yes explain: _____
7. If close out is anticipated within 12 months, estimated costs for project closeout (\$): NA

OPERATION, MAINTENANCE, MONITORING
AND OPTIMIZATION REPORTING OF
SOIL AND GROUNDWATER REMEDIATION SYSTEMS

GENERAL SITE INFORMATION, CONTINUED

SITE NAME AND REPORTING PERIOD:

Site name: N.W. Mauthe Superfund Site

Reporting period from: April 1, 2007 To: October 13, 2007 Days in period: 196

E. NAME(S), SIGNATURE(S) AND DATE OF PERSON(S) SUBMITTING FORM: Legibly print name, date and sign. Only persons qualified to submit reports under ch. NR 712 Wis. Adm. Code are to sign this form.

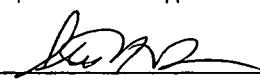
Registered Professional Engineers:

I (print name) Thomas J. Kispert, hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Signature, title, P.E. number and date:  SR. P.R.G.-ENGR, E-26225, 12-11-07

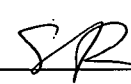
Hydrogeologists:

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

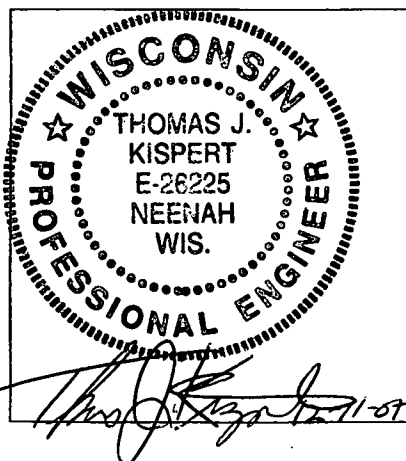
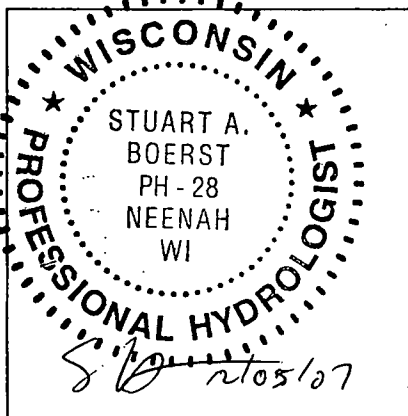
Signature, title and date:  Sr. Hydrogeologist 12/05/07

Scientists:

I (print name) Stuart A. Boerst, hereby certify that I am a scientist as that term is defined in s. NR 712.03(3), Wis. Adm. Code, and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Signature, title and date:  Sr. Hydrogeologist 12/05/07

Professional Seal(s), if applicable:



OPERATION, MAINTENANCE, MONITORING
AND OPTIMIZATION REPORTING OF
SOIL AND GROUNDWATER REMEDIATION SYSTEMS

GROUNDWATER PUMP AND TREAT SYSTEMS AND FREE PRODUCT RECOVERY SYSTEMS

SITE NAME AND REPORTING PERIOD:

Site name: N.W. Mauthe Superfund Site

Reporting period from: April 1, 2007 To: October 13, 2007 Days in period: 196

Date that the system was first started up: January 14, 1997

A. GROUNDWATER EXTRACTION SYSTEM OPERATION:

1. Total number of groundwater extraction wells or trenches available and the number in use during period: 3/3
2. Number of days of operation (only list the number of days the system actually operated, if unknown explain): 196
3. System utilization in percent (days of operation divided by reporting time period multiplied by 100). If < 80%, explain: 100%
4. Quantity of groundwater extracted during this time period (gallons): 177,187
5. Average groundwater extraction rate (gpm): 0.63 gpm
6. Quantity of dissolved phase contaminants removed during this time period in pounds: Chromium - 2.63 lbs.

B. FREE PRODUCT RECOVERY SYSTEM OPERATION:

1. Is free product (nonaqueous phase liquid) being recovered at this site? (Y/N) If yes, list method: _____
2. Quantity of free product extracted during this time period (gallons, enter none if none): _____
3. Average free product extraction rate (gpd): _____

C. SYSTEM EFFECTIVENESS EVALUATION:

1. Is a contaminated groundwater plume fully contained in the capture zone? (Y/N) If no, explain: _____
2. If free product is present, is the free product fully contained in capture zone? (Y/N) If no, explain: _____
3. If free product is present in any wells at the site, but free product was not recovered during reporting period, explain.
4. If free product is not present, determine the single contaminant that requires the greatest percent reduction to achieve ch. NR 140 ES and PAL. Perform this calculation for all contaminants that were present at the site that have ch. NR 140 standards. Use the highest contaminant concentration measured in any sampling points during reporting period. If free product is present, write "FREE PRODUCT" in C.4.a.
 - a. Contaminant: Chromium - MW-112 - 150,000 ug/l
 - b. Percent reduction necessary to reach ch. NR 140 ES and PAL: ES- 99.97% PAL- 99.99%
 - c. Maximum contaminant concentration level in any monitoring well of that contaminant (µg/L): chromium - 150,000 ug/l
 - d. Maximum contaminant concentration level in any extraction well of that contaminant (µg/L): NA
 - e. If the maximum concentration in a monitoring well is more that one order of magnitude above the concentration measured in an extraction well, explain why the extracted groundwater contamination levels are significantly less than the levels at other locations within the aquifer.

D. ADDITIONAL ATTACHMENTS: Attach the following to this form:

- Most recent report to the DNR Wastewater Program, if applicable.
- Groundwater contour map with capture zone indicated.
- Groundwater contaminant distribution map (may be combined with contour map).
- Graph of cumulative contaminant removal, if both free product recovery and ground water extraction are used, provide separate graphs.
- Time versus groundwater contaminant concentration graphs for the contaminant listed in C.4.a. (above), as follows:
 - Graph of contaminant concentrations versus time for each extraction well in use during the period.
 - Graph of contaminant concentrations versus time for the monitoring well with the greatest level of contamination.
- Groundwater contaminant chemistry table.
- Groundwater elevations table.
- System operational data table.

APPENDIX B

LABORATORY ANALYTICAL RESULTS, OUTFALL #001



1241 Bellevue Street, Suite 9
Green Bay, WI 54302
920-469-2436, Fax: 920-469-8827

Analytical Report Number: 888866

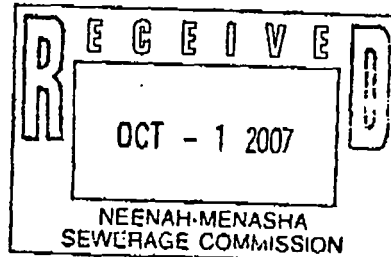
Client: MIDWEST CONTRACT OPERATIONS, INC.

Lab Contact: Brian Basten

Project Name: MAUTHE 2007

Project Number:

Lab Sample Number	Field ID	Matrix	Collection Date
888866-001	MAUTHE DISCHARGE	WATER	09/25/07 09:45



I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample comments. Release of this final report is authorized by Laboratory management, as is verified by the following signature. This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc. The sample results relate only to the analytes of interest tested.

Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc.



Approval Signature

Date 9-26-07

**Pace Analytical
Services, Inc.**

Analytical Report Number: 888866

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : MIDWEST CONTRACT OPERATIONS, INC.
Project Name : MAUTHE 2007
Project Number :
Field ID : MAUTHE DISCHARGE

Matrix Type : WATER
Collection Date : 09/25/07
Report Date : 09/26/07
Lab Sample Number : 888866-001

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Chromium, Hexavalent	1700	42	140		1	ug/L		09/25/07	SM 3500 Cr-B	SM 3500 Cr-B
								Prep Date/Time:		Anl By: DEY

Qualifier Codes

Flag Applies To Explanation

Flag	Applies To	Explanation
A	Inorganic	Analyte is detected in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
B	Inorganic	The analyte has been detected between the method detection limit and the reporting limit.
B	Organic	Analyte is present in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
C	All	Elevated detection limit.
D	All	Analyte value from diluted analysis or surrogate result not applicable due to sample dilution.
E	Inorganic	Estimated concentration due to matrix interferences. During the metals analysis the serial dilution failed to meet the established control limits of 0-10%. The sample concentration is greater than 50 times the IDL for analysis done on the ICP or 100 times the IDL for analysis done on the ICP-MS. The result was flagged with the E qualifier to indicate that a physical interference was observed.
E	Organic	Analyte concentration exceeds calibration range.
F	Inorganic	Due to potential interferences for this analysis by Inductively Coupled Plasma techniques (SW-846 Method 6010), this analyte has been confirmed by and reported from an alternate method.
F	Organic	Surrogate results outside control criteria.
G	All	The result is estimated because the concentration is less than the lowest calibration standard concentration utilized in the initial calibration. The method detection limit is less than the reporting limit specified for this project.
H	All	Preservation, extraction or analysis performed past holding time.
HF	Inorganic	This test is considered a field parameter, and the recommended holding time is 15 minutes from collection. The analysis was performed in the laboratory beyond the recommended holding time.
J	All	Concentration detected equal to or greater than the method detection limit but less than the reporting limit.
K	Organic	Detection limit may be elevated due to the presence of an unrequested analyte.
L	All	Elevated detection limit due to low sample volume.
M	Organic	Sample pH was greater than 2
N	All	Spiked sample recovery not within control limits.
O	Organic	Sample received overweight.
P	Organic	The relative percent difference between the two columns for detected concentrations was greater than 40%.
Q	All	The analyte has been detected between the limit of detection (LOD) and limit of quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
S	Organic	The relative percent difference between quantitation and confirmation columns exceeds internal quality control criteria. Because the result is unconfirmed, it has been reported as a non-detect with an elevated detection limit.
U	All	The analyte was not detected at or above the reporting limit.
V	All	Sample received with headspace.
W	All	A second aliquot of sample was analyzed from a container with headspace.
X	All	See Sample Narrative.
Z	Organics	This compound was separated in the CCV standard but it did not meet the resolution criteria as set forth in SW846.
&	All	Laboratory Control Spike recovery not within control limits.
*	All	Precision not within control limits.
+	Inorganic	The sample result is greater than four times the spike level; therefore, the percent recovery is not evaluated.
<	All	The analyte was not detected at or above the reporting limit.
1	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses passed QC based on precision criteria.
2	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses failed QC based on precision criteria.
3	Inorganic	BOD result is estimated due to the BOD blank exceeding the allowable oxygen depletion.
4	Inorganic	BOD duplicate precision not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
5	Inorganic	BOD result is estimated due to insufficient oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
6	Inorganic	BOD laboratory control sample not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
7	Inorganic	BOD result is estimated due to complete oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
8	Inorganic	Sample was received unpreserved. Sample was preserved either at the time of receipt or at the time of sample preparation.
9	Inorganic	Sample was received with insufficient preservation. Acid was added either at the time of receipt or at the time of sample preparation.

**Pace Analytical
Services, Inc.**

Analysis Summary by Laboratory

1241 Bellevue Street
Green Bay, WI 54302

100-98888

Test Group Name

CHROMIUM, HEXAVALENT

B

Code	WI Certification
B	405132750 / DATCP: 105-444

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 888866
Lab Section: WETCHEM
QC Batch Number: 25072
Prep Method: SM 3500 Cr-B
Analytical Method: SM 3500 Cr-B

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2270-048MB	WCG2270-048MB
LCS	WCG2270-048MBLCS	WCG2270-048MBLCS
MS	MAUTHE DISCHARGEMS	888866-001MS
MSD	MAUTHE DISCHARGEMS	888866-001MSD

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
MAUTHE DISCHARGE	888866-001	MB			

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery			LCS/LCSD RPD % C	LCS/LCSD RPD % C	LCS/LCSD Control Limits			Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery			MSD Spiked Conc	MSD Recovery			MS/MSD RPD % C	MS/MSD Control Limits		
			Conc	%	C			LCL	UCL	RPD				Conc	%	C		Conc	%	C		LCL	UCL	RPD
Chromium, Hexavalent	<	3.4	300.00	292.8	97.6	-	-	90	110	20	888866-001	1691.5	3750.0	5763.6	108.6	3750.0	5451.6	100.3	5.8	90	110	20		

Conc = ug/L unless otherwise noted

C = QC Code, see Qualifier Sheet

Parent Result is reported down to MDL in order to allow Validation of this worksheet

The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/26/2007

QC Batch Number: 25072

Sample Condition Upon Receipt



Client Name: MCO

Project # 888866

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____

Tracking #: _____

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

Packing Material: Bubble Wrap Bubble Bags None Other _____

Thermometer Used N/A Type of Ice: Net Blue None Samples on Ice, cooling process has begun

Cooler Temperature Ret Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: 9/25/07 KJL

Temp should be above freezing to 6°C

Comments:

6/9/25/02

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6. <u>CR+6</u>
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix:	<u>WJ</u>	
All containers needing preservation have been checked.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed
		Lot # of added preservative
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [Signature]

Date: 9-25-07

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

(Please Print Clearly)

COC No. ✓ 02898



CHAIN OF CUSTODY

Preservation Codes
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Company Name: MCO
 Branch/Location:
 Project Contact: JAMES J PELLER
 Phone: 920 751 9760
 Project Number:
 Project Name: MAINTN 2007
 Project State: WI
 Sampled By (Print): JAMES J PELLER
 Sampled By (Sign): [Signature]
 PO #:
 Regulatory Program:

FILTERED?
(YES/NO)
 PRESERVATION
(CODE)*

Analysis Requested	1	N																		
		A																		

Quote #:
 Mail To Contact:
 Mail To Company:
 Mail To Address:
 Invoice To Contact:
 Invoice To Company:
 Invoice To Address:
 Invoice To Phone:

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air W = Water
 B = Biota DW = Drinking Water
 C = Charcoal GW = Ground Water
 D = DI SW = Surface Water
 S = Soil WW = Waste Water
 St = Sludge WWP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX	Analysis Requested	Filter	Preservation Code	Date/Time	Received By	Date/Time	Rush TAT	Remarks
		DATE	TIME									
001	MAINTN DISCHARGE	9/25/07	8:55A	GW	1			9/25/07 9:00	L. Mello	9/25/07 9:00		

CLIENT COMMENTS
 LAB COMMENTS (Lab Use Only)
 Profile #

1-250 mL Poly

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge)
 Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Relinquished By: <u>JAMES J PELLER</u> Date/Time: <u>9/25/07 9:00</u>	Received By: <u>L. Mello</u> Date/Time: <u>9/25/07 9:00</u>
Relinquished By: <u>L. Mello</u> Date/Time: <u>9/25/07 11:25</u>	Received By: <u>JJ Peller</u> Date/Time: <u>9/25/07 11:25</u>
Relinquished By:	Received By:
Relinquished By:	Received By:

Samples on HOLD are subject to special pricing and release of liability

PACE Project No. 888866
 Receipt Temp = 72.0 °C
 Sample Receipt pH OK / Adjusted
 Cooler Custody Seal Present / Not Present
 Intact / Not Intact

008
McMahon-Neenan
NMSC/MCO
11/16/07 FRI 11:24 FAX 920 751 4767

APPENDIX C

GROUNDWATER SAMPLING DATA SHEETS

Groundwater Monitoring Field Form



Project Number _____

Project Name Maurer

Location _____

Date 09/27/07 - water levels, 09/28/07 - sampling

Personnel Paul Mueh

Temp./Weather sunny

Well	Date	Time	Depth to Water (Top of PVC) (ft)	Total Well Depth (Top of PVC) (ft)	Water Column Length (ft)	Req'd. Gals to Purge 4 Casing Volumes	Amount Purged (gal)	Water Appear. (see below)	Sampling Method (see below)	Free Product (ft)	Sampl. (Y/N)	pH	Temp °C	Conductivity uS	D.O. mg/l	Redox mV	Alkalinity gpg	Ferrous Iron mg/l	Comments
Mw-101			7.31																
Mw-108			6.55																
W-2			5.66																
Mw-102			24.38																
W-15			6.67																
Mw-106			6.92																
W-8			6.52																
Mw-105			3.81																
Mw-103			9.52				8	1	EP		Y	7.2	13.7	1294	3.14	217		0	
Mw-104			21.47				6	1	EP		Y	6.9	14.7	2380	2.22	266		0.05	
Mw-107			10.86				6	1	↓		Y	7.4	13.1	1642	2.64	238		0.02	
Mw-110			10.33				11	2	↓		Y	7.2	15.6	1837	5.72	258		0	
Mw-113			9.67				13	2	↓		Y	7.4	14.4	1514	6.87	276		0	
Mw-112			9.01				11	1	↓		Y	7.6	13.7	1921	6.80	267		0.04	
Mw-111			8.66				11	1	↓		Y	7.4	13.5	1672	6.08	256		0.02	
Mw-109			8.08				10	2	DB		Y	6.9	18.2	2170	9.53	240		0.04	

EQUIPMENT USED:

- Solinst Water Level Indicator
- Keck Interface Probe
- Alkalinity Hach Kit
- Ferrous Iron Hach Kit
- EC20 Portable Meter
- ICM Water Analyzer
- Other: _____

Comments: _____

SAMPLING METHOD

- DB - Disposable Bailer
- PP - Peristaltic Pump
- EP - Electric Pump (whale)

WATER APPEARANCE

- 1 - Clear
- 2 - Slightly Cloudy
- 3 - Cloudy
- 4 - Very Cloudy
- 5 - Slightly Muddy
- 6 - Muddy

GALLONS PER FOOT TO GET 1 CASING VOLUME

- 1" PVC - 0.05 gallons/ft.
- 2" PVC - 0.17 gallons/ft.
- 4" PVC - 0.66 gallons/ft.
- 6" PVC - 1.47 gallons/ft.

DATAFILE\PTFORMS\MFORM.LPPT 298 SA63jmk

Groundwater Monitoring Field Form



Project Number _____

Project Name _____

Date _____

Location _____

Personnel _____

Temp./Weather _____

Well	Date	Time	Depth to Water (Top of PVC) (ft)	Total Well Depth (Top of PVC) (ft)	Water Column Length (ft)	Req'd. Gals to Purge 4 Casing Volumes	Amount Purged (gal)	Water Appear. (see below)	Sampling Method (see below)	Free Product (ft)	Sampl. (Y/N)	pH	Temp °C	Conductivity uS	D.O. mg/l	Redox mV	Alkalinity gpg	Ferrous Iron mg/l	Comments		
P2-5			28.06																		
P2-6			29.54																		
P2-7			25.15																		
P2-8			22.47																		

- EQUIPMENT USED:**
- Solinst Water Level Indicator
 - Keck Interface Probe
 - Alkalinity Hach Kit
 - Ferrous Iron Hach Kit
 - EC20 Portable Meter
 - ICM Water Analyzer
 - Other: _____

Comments: _____

- SAMPLING METHOD**
- DB - Disposable Bailer
 - PP - Peristaltic Pump
 - EP - Electric Pump (whale)

- WATER APPEARANCE**
- 1 - Clear
 - 2 - Slightly Cloudy
 - 3 - Cloudy
 - 4 - Very Cloudy
 - 5 - Slightly Muddy
 - 6 - Muddy

- GALLONS PER FOOT TO GET 1 CASING VOLUME**
- 1" PVC - 0.05 gallons/ft.
 - 2" PVC - 0.17 gallons/ft.
 - 4" PVC - 0.66 gallons/ft.
 - 6" PVC - 1.47 gallons/ft.

APPENDIX D

LABORATORY ANALYTICAL RESULTS,
GROUNDWATER MONITORING WELLS

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Pace Analytical

✓ MWJ

Page: of
0953301

Section A Required Client Information: Company: MCO Address: Memphis Email To: Phone: 920-475-0050 Fax: Requested Due Date/TAT:	Section B Required Project Information: Report To: Stuart Biersch Copy To: Purchase Order No.: Project Name: Mantre Project Number:	Section C Invoice Information: Attention: Randy Much Company Name: MCO Address: Memphis Pace Quote Reference: Pace Project Manager: Pace Profile #:
---	--	--

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
 UST RCRA Other

SITE LOCATION GA IL IN MD MN NC
 OH SC WI OTHER

ITEM #	Section D Required Client Information SAMPLE ID One Character per box. (A-Z, 0-9, -) Samples IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SI OIL OI WIPE WI AIR AR OTHER OT ISSUE IS	MATRIX CODE	SAMPLE TYPE G-GRAB C-COMP	COLLECTED		SAMPLE TEMP AT COLLECTION	NO. OF CONTAINERS	Preservatives								Requested Analysis: Chromium Total VOCs Cyanide Sulfide Residual Chlorine (VW)	Pace Project Number 889384 Lab I.D.		
					COMPOSITE START				COMPOSITE END/GRAB		Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O8			Methanol	Other
					DATE	TIME			DATE	TIME										
1	MW-103	001	GW	G	9-28		1											1-250ml PD		
2	MW-104	002																↓		
3	MW-107	003					4											1-250ml PD 3-40ml B		
4	MW-109	004					4											↓		
5	MW-110	005					5											2-250ml PD DTC 3-40ml B		
6	MW-111	006					4											1-250ml PD 3-40ml B		
7	MW-112	007					5											2-250ml PD DTC 3-40ml B		
8	MW-113	008					4											1-250ml PD 3-40ml B		
9	MW-110D	009					5											2-250ml PD DTC 3-40ml B		
10																				
11																				
12																				

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITION
Randy Much	10-1	13:00	D. Much	10/5/07	13:00	Y/N
D. Much	10/5/07	14:30	C. Pace	10-5-07	14:30	RET
						Y/N
						Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: **Paul Much**

SIGNATURE of SAMPLER: *Paul Much*

DATE Signed (MM/DD/YY): **10-1-07**

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact



1241 Bellevue Street, Suite 9
 Green Bay, WI 54302
 920-469-2436, Fax: 920-469-8827

Analytical Report Number: 889384

Client: MIDWEST CONTRACT OPERATIONS, INC.

Lab Contact: Brian Basten

Project Name: MAUTHE

Project Number:

Lab Sample Number	Field ID	Matrix	Collection Date
889384-001	MW-103	WATER	09/28/07
889384-002	MW-104	WATER	09/28/07
889384-003	MW-107	WATER	09/28/07
889384-004	MW-109	WATER	10/01/07
889384-005	MW-110	WATER	09/28/07
889384-006	MW-111	WATER	09/28/07
889384-007	MW-112	WATER	09/28/07
889384-008	MW-113	WATER	09/28/07
889384-009	MW-110D	WATER	09/28/07

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample comments. Release of this final report is authorized by Laboratory management, as is verified by the following signature. This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc. The sample results relate only to the analytes of interest tested.

Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc.



[Handwritten Signature]
 Approval Signature

10-26-07
 Date

Client : MIDWEST CONTRACT OPERATIONS, INC.

Matrix Type : WATER

Project Name : MAUTHE

Collection Date : 09/28/07

Project Number :

Report Date : 10/26/07

Field ID : MW-103

Lab Sample Number : 889384-001

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Chromium - Dissolved	78	0.43	1.4		1	ug/L		10/24/07 04:00 PM	SW846 3020A	SW846 6020
								Prep Date/Time:	10/19/07 12:15 PM	Anl By: MSB

Client : MIDWEST CONTRACT OPERATIONS, INC.

Matrix Type : WATER

Project Name : MAUTHE

Collection Date : 09/28/07

Project Number :

Report Date : 10/26/07

Field ID : MW-104

Lab Sample Number : 889384-002

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Chromium - Dissolved	11	0.43	1.4		1	ug/L		10/24/07 04:13 PM	SW846 3020A	SW846 6020
								Prep Date/Time:	10/19/07 12:15 PM	Anl By: MSB

Client : MIDWEST CONTRACT OPERATIONS, INC.

Matrix Type : WATER

Project Name : MAUTHE

Collection Date : 09/28/07

Project Number :

Report Date : 10/26/07

Field ID : MW-107

Lab Sample Number : 889384-003

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Chromium - Dissolved	2000	0.43	1.4		1	ug/L		10/24/07 04:19 PM	SW846 3020A	SW846 6020
								Prep Date/Time: 10/19/07 12:15 PM	Anl By: MSB	

VOLATILES

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Prep Date/Time: 10/10/07 5:49 PM Anl By: TLT										
1,1,1,2-Tetrachloroethane	< 4.6	4.6	15		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	210	4.5	15		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 1.0	1.0	3.3		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	2.4	2.1	7.0		5	ug/L	Q	10/10/07 5:49 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	35	3.8	12		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethene	19	2.8	9.5		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 3.8	3.8	12		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 3.7	3.7	12		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 5.0	5.0	16		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 4.8	4.8	16		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	< 4.8	4.8	16		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 4.4	4.4	14		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 2.8	2.8	9.3		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 4.1	4.1	14		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 1.8	1.8	6.0		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 2.3	2.3	7.7		5	ug/L	&	10/10/07 5:49 PM	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	< 4.1	4.1	14		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 4.4	4.4	14		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 3.0	3.0	10		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 4.8	4.8	16		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 3.1	3.1	10		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 4.2	4.2	14		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 3.7	3.7	12		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
Benzene	< 2.0	2.0	6.8		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
Bromobenzene	< 4.1	4.1	14		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
Bromochloromethane	< 4.8	4.8	16		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
Bromodichloromethane	< 2.8	2.8	9.3		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
Bromoform	< 4.7	4.7	16		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
Bromomethane	< 4.6	4.6	15		5	ug/L	&	10/10/07 5:49 PM	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 2.4	2.4	8.2		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
Chlorobenzene	< 2.0	2.0	6.8		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 4.1	4.1	14		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
Chloroethane	< 4.8	4.8	16		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
Chloroform	< 1.8	1.8	6.2		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
Chloromethane	< 1.2	1.2	4.0		5	ug/L	&	10/10/07 5:49 PM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 4.1	4.1	14		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 0.95	0.95	3.2		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
Dibromomethane	< 3.0	3.0	10		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 5.0	5.0	16		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
Diisopropyl Ether	< 3.8	3.8	13		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
Ethylbenzene	< 2.7	2.7	9.0		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 4.0	4.0	13		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
Hexachlorobutadiene	< 3.4	3.4	11		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B

Client : MIDWEST CONTRACT OPERATIONS, INC.

Matrix Type : WATER

Project Name : MAUTHE

Collection Date : 09/28/07

Project Number :

Report Date : 10/26/07

Field ID : MW-107

Lab Sample Number : 889384-003

VOLATILES

Prep Date/Time: 10/10/07 5:49 PM Anl By: TLT

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Isopropylbenzene	< 2.9	2.9	9.8		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
Methylene Chloride	< 2.2	2.2	7.2		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 3.0	3.0	10		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
Naphthalene	< 3.7	3.7	12		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
n-Butylbenzene	< 4.6	4.6	16		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
n-Propylbenzene	< 4.1	4.1	14		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
p-Isopropyltoluene	< 3.4	3.4	11		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
s-Butylbenzene	< 4.4	4.4	15		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
Styrene	< 4.3	4.3	14		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
t-Butylbenzene	< 4.8	4.8	16		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
Tetrachloroethene	< 2.2	2.2	7.5		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
Toluene	< 3.4	3.4	11		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 4.4	4.4	15		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 0.95	0.95	3.2		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
Trichloroethene	420	2.4	8.0		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
Vinyl Chloride	< 0.90	0.90	3.0		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
Xylene, m + p	< 9.0	9.0	30		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
Xylene, o	< 4.1	4.1	14		5	ug/L		10/10/07 5:49 PM	SW846 5030B	SW846 8260B
Surrogate		LCL	UCL							
4-Bromofluorobenzene	95	64	132		5	%		10/10/07	SW846 5030B	SW846 8260B
Toluene-d8	100	73	127		5	%		10/10/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	98	68	122		5	%		10/10/07	SW846 5030B	SW846 8260B

Client : MIDWEST CONTRACT OPERATIONS, INC.

Matrix Type : WATER

Project Name : MAUTHE

Collection Date : 10/01/07

Project Number :

Report Date : 10/26/07

Field ID : MW-109

Lab Sample Number : 889384-004

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Chromium - Dissolved	1300	0.43	1.4		1	ug/L		10/24/07 04:25 PM	SW846 3020A	SW846 6020
								Prep Date/Time: 10/19/07 12:15 PM	Anl By: MSB	

VOLATILES

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
								Prep Date/Time: 10/09/07 1:42 AM	Anl By: TLT	
1,1,1,2-Tetrachloroethane	< 0.92	0.92	3.1		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	22	0.90	3.0		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 0.20	0.20	0.67		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 0.42	0.42	1.4		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 0.75	0.75	2.5		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
1,1-Dichloroethene	1.1	0.57	1.9		1	ug/L	Q	10/09/07 1:42 AM	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 0.75	0.75	2.5		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 0.74	0.74	2.5		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 0.99	0.99	3.3		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 0.97	0.97	3.2		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	< 0.97	0.97	3.2		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 0.87	0.87	2.9		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 0.56	0.56	1.9		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 0.83	0.83	2.8		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 0.36	0.36	1.2		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 0.46	0.46	1.5		1	ug/L	&	10/09/07 1:42 AM	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	< 0.83	0.83	2.8		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 0.87	0.87	2.9		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 0.61	0.61	2.0		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 0.95	0.95	3.2		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 0.62	0.62	2.1		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 0.85	0.85	2.8		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 0.74	0.74	2.5		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
Benzene	< 0.41	0.41	1.4		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
Bromobenzene	< 0.82	0.82	2.7		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
Bromochloromethane	< 0.97	0.97	3.2		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
Bromodichloromethane	< 0.56	0.56	1.9		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
Bromoform	< 0.94	0.94	3.1		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
Bromomethane	< 0.91	0.91	3.0		1	ug/L	&	10/09/07 1:42 AM	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 0.49	0.49	1.6		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
Chlorobenzene	< 0.41	0.41	1.4		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 0.81	0.81	2.7		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
Chloroethane	< 0.97	0.97	3.2		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
Chloroform	< 0.37	0.37	1.2		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
Chloromethane	< 0.24	0.24	0.80		1	ug/L	&	10/09/07 1:42 AM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 0.83	0.83	2.8		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
Dibromomethane	< 0.60	0.60	2.0		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 0.99	0.99	3.3		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
Diisopropyl Ether	< 0.76	0.76	2.5		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
Ethylbenzene	< 0.54	0.54	1.8		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 0.79	0.79	2.6		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
Hexachlorobutadiene	< 0.67	0.67	2.2		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B

Client : MIDWEST CONTRACT OPERATIONS, INC.

Matrix Type : WATER

Project Name : MAUTHE

Collection Date : 10/01/07

Project Number :

Report Date : 10/26/07

Field ID : MW-109

Lab Sample Number : 889384-004

VOLATILES

Prep Date/Time: 10/09/07 1:42 AM Anl By: TLT

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Isopropylbenzene	< 0.59	0.59	2.0		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
Methylene Chloride	< 0.43	0.43	1.4		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 0.61	0.61	2.0		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
Naphthalene	< 0.74	0.74	2.5		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
n-Butylbenzene	< 0.93	0.93	3.1		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
n-Propylbenzene	< 0.81	0.81	2.7		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
p-Isopropyltoluene	< 0.67	0.67	2.2		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
s-Butylbenzene	< 0.89	0.89	3.0		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
Styrene	< 0.86	0.86	2.9		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
t-Butylbenzene	< 0.97	0.97	3.2		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
Tetrachloroethene	< 0.45	0.45	1.5		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
Toluene	< 0.67	0.67	2.2		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 0.89	0.89	3.0		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
Trichloroethene	35	0.48	1.6		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
Vinyl Chloride	< 0.18	0.18	0.60		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
Xylene, m + p	< 1.8	1.8	6.0		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
Xylene, o	< 0.83	0.83	2.8		1	ug/L		10/09/07 1:42 AM	SW846 5030B	SW846 8260B
Surrogate		LCL	UCL							
4-Bromofluorobenzene	99	64	132		1	%		10/09/07	SW846 5030B	SW846 8260B
Toluene-d8	119	73	127		1	%		10/09/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	114	68	122		1	%		10/09/07	SW846 5030B	SW846 8260B

Client : MIDWEST CONTRACT OPERATIONS, INC.

Matrix Type : WATER

Project Name : MAUTHE

Collection Date : 09/28/07

Project Number :

Report Date : 10/26/07

Field ID : MW-110

Lab Sample Number : 889384-005

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Chromium - Dissolved	51000	8.5	28		20	ug/L		10/24/07 05:14 PM	SW846 3020A	SW846 6020
								Prep Date/Time: 10/19/07 12:15 PM		Anl By: MSB
Cyanide, Total - Dissolved	0.071	0.0060	0.020		1	mg/L		10/10/07 11:47 AM	EPA 335.4	EPA 335.4
								Prep Date/Time: 10/09/07 10:48 AM		Anl By: DAW

VOLATILES

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1,2-Tetrachloroethane	< 23	23	77		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	1600	22	75		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 5.0	5.0	17		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 10	10	35		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	380	19	62		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B
1,1-Dichloroethene	350	14	47		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 19	19	62		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 18	18	62		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 25	25	82		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 24	24	81		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	< 24	24	81		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 22	22	72		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 14	14	47		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 21	21	69		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 9.0	9.0	30		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 12	12	38		25	ug/L	&	10/09/07 2:27 AM	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	< 21	21	69		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 22	22	72		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 15	15	51		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 24	24	79		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 16	16	52		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 21	21	71		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 18	18	62		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B
Benzene	< 10	10	34		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B
Bromobenzene	< 20	20	68		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B
Bromochloromethane	< 24	24	81		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B
Bromodichloromethane	< 14	14	47		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B
Bromoform	< 24	24	78		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B
Bromomethane	< 23	23	76		25	ug/L	&	10/09/07 2:27 AM	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 12	12	41		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B
Chlorobenzene	< 10	10	34		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 20	20	68		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B
Chloroethane	< 24	24	81		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B
Chloroform	< 9.2	9.2	31		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B
Chloromethane	< 6.0	6.0	20		25	ug/L	&	10/09/07 2:27 AM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	67	21	69		25	ug/L	Q	10/09/07 2:27 AM	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 4.8	4.8	16		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B
Dibromomethane	< 15	15	50		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 25	25	82		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B
Diisopropyl Ether	< 19	19	63		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B
Ethylbenzene	< 14	14	45		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B

Client : MIDWEST CONTRACT OPERATIONS, INC.

Matrix Type : WATER

Project Name : MAUTHE

Collection Date : 09/28/07

Project Number :

Report Date : 10/26/07

Field ID : MW-110

Lab Sample Number : 889384-005

VOLATILES

Prep Date/Time: 10/09/07 2:27 AM Anl By: TLT

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Fluorotrichloromethane	< 20	20	66		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B
Hexachlorobutadiene	< 17	17	56		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B
Isopropylbenzene	< 15	15	49		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B
Methylene Chloride	< 11	11	36		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 15	15	51		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B
Naphthalene	< 18	18	62		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B
n-Butylbenzene	< 23	23	78		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B
n-Propylbenzene	< 20	20	68		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B
p-Isopropyltoluene	< 17	17	56		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B
s-Butylbenzene	< 22	22	74		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B
Styrene	< 22	22	72		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B
t-Butylbenzene	< 24	24	81		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B
Tetrachloroethene	< 11	11	38		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B
Toluene	< 17	17	56		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	23	22	74		25	ug/L	Q	10/09/07 2:27 AM	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 4.8	4.8	16		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B
Trichloroethene	32	12	40		25	ug/L	Q	10/09/07 2:27 AM	SW846 5030B	SW846 8260B
Vinyl Chloride	< 4.5	4.5	15		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B
Xylene, m + p	< 45	45	150		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B
Xylene, o	< 21	21	69		25	ug/L		10/09/07 2:27 AM	SW846 5030B	SW846 8260B
Surrogate		LCL	UCL							
4-Bromofluorobenzene	99	64	132		25	%		10/09/07	SW846 5030B	SW846 8260B
Toluene-d8	117	73	127		25	%		10/09/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	119	68	122		25	%		10/09/07	SW846 5030B	SW846 8260B

Client : MIDWEST CONTRACT OPERATIONS, INC.

Matrix Type : WATER

Project Name : MAUTHE

Collection Date : 09/28/07

Project Number :

Report Date : 10/26/07

Field ID : MW-111

Lab Sample Number : 889384-006

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Chromium - Dissolved	340	0.43	1.4		1	ug/L		10/24/07 04:49 PM	SW846 3020A	SW846 6020
								Prep Date/Time: 10/19/07 12:15 PM	Anl By: MSB	

VOLATILES

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Prep Date/Time: 10/09/07 2:05 AM Anl By: TLT										
1,1,1,2-Tetrachloroethane	< 0.92	0.92	3.1		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	22	0.90	3.0		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 0.20	0.20	0.67		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 0.42	0.42	1.4		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	2.4	0.75	2.5		1	ug/L	Q	10/09/07 2:05 AM	SW846 5030B	SW846 8260B
1,1-Dichloroethene	2.8	0.57	1.9		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 0.75	0.75	2.5		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 0.74	0.74	2.5		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 0.99	0.99	3.3		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 0.97	0.97	3.2		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	< 0.97	0.97	3.2		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 0.87	0.87	2.9		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 0.56	0.56	1.9		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 0.83	0.83	2.8		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 0.36	0.36	1.2		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 0.46	0.46	1.5		1	ug/L	&	10/09/07 2:05 AM	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	< 0.83	0.83	2.8		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 0.87	0.87	2.9		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 0.61	0.61	2.0		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 0.95	0.95	3.2		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 0.62	0.62	2.1		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 0.85	0.85	2.8		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 0.74	0.74	2.5		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
Benzene	< 0.41	0.41	1.4		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
Bromobenzene	< 0.82	0.82	2.7		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
Bromochloromethane	< 0.97	0.97	3.2		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
Bromodichloromethane	< 0.56	0.56	1.9		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
Bromoform	< 0.94	0.94	3.1		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
Bromomethane	< 0.91	0.91	3.0		1	ug/L	&	10/09/07 2:05 AM	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 0.49	0.49	1.6		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
Chlorobenzene	< 0.41	0.41	1.4		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 0.81	0.81	2.7		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
Chloroethane	< 0.97	0.97	3.2		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
Chloroform	< 0.37	0.37	1.2		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
Chloromethane	< 0.24	0.24	0.80		1	ug/L	&	10/09/07 2:05 AM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 0.83	0.83	2.8		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
Dibromomethane	< 0.60	0.60	2.0		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 0.99	0.99	3.3		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
Diisopropyl Ether	< 0.76	0.76	2.5		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
Ethylbenzene	< 0.54	0.54	1.8		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 0.79	0.79	2.6		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
Hexachlorobutadiene	< 0.67	0.67	2.2		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B

Client : MIDWEST CONTRACT OPERATIONS, INC.

Project Name : MAUTHE

Project Number :

Field ID : MW-111

Matrix Type : WATER

Collection Date : 09/28/07

Report Date : 10/26/07

Lab Sample Number : 889384-006

VOLATILES

Prep Date/Time: 10/09/07 2:05 AM Anl By: TLT

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Isopropylbenzene	< 0.59	0.59	2.0		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
Methylene Chloride	< 0.43	0.43	1.4		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 0.61	0.61	2.0		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
Naphthalene	< 0.74	0.74	2.5		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
n-Butylbenzene	< 0.93	0.93	3.1		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
n-Propylbenzene	< 0.81	0.81	2.7		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
p-Isopropyltoluene	< 0.67	0.67	2.2		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
s-Butylbenzene	< 0.89	0.89	3.0		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
Styrene	< 0.86	0.86	2.9		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
t-Butylbenzene	< 0.97	0.97	3.2		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
Tetrachloroethene	< 0.45	0.45	1.5		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
Toluene	< 0.67	0.67	2.2		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 0.89	0.89	3.0		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
Trichloroethene	55	0.48	1.6		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
Vinyl Chloride	< 0.18	0.18	0.60		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
Xylene, m + p	< 1.8	1.8	6.0		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
Xylene, o	< 0.83	0.83	2.8		1	ug/L		10/09/07 2:05 AM	SW846 5030B	SW846 8260B
Surrogate		LCL	UCL							
4-Bromofluorobenzene	100	64	132		1	%		10/09/07	SW846 5030B	SW846 8260B
Toluene-d8	119	73	127		1	%		10/09/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	114	68	122		1	%		10/09/07	SW846 5030B	SW846 8260B

Client : MIDWEST CONTRACT OPERATIONS, INC.

Matrix Type : WATER

Project Name : MAUTHE

Collection Date : 09/28/07

Project Number :

Report Date : 10/26/07

Field ID : MW-112

Lab Sample Number : 889384-007

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Chromium - Dissolved	150000	43	140		100	ug/L		10/24/07 05:20 PM	SW846 3020A	SW846 6020
								Prep Date/Time: 10/19/07 12:15 PM	Anl By: MSB	
Zinc - Dissolved	34	21	70		10	ug/L	QCA	10/24/07 04:55 PM	SW846 3020A	SW846 6020
								Prep Date/Time: 10/19/07 12:15 PM	Anl By: MSB	
Cyanide, Total - Dissolved	0.32	0.0060	0.020		1	mg/L		10/10/07 11:48 AM	EPA 335.4	EPA 335.4
								Prep Date/Time: 10/09/07 10:48 AM	Anl By: DAW	

VOLATILES

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1,2-Tetrachloroethane	< 9.2	9.2	31		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	13	9.0	30		10	ug/L	Q	10/10/07 6:12 PM	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 2.0	2.0	6.7		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 4.2	4.2	14		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 7.5	7.5	25		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 5.7	5.7	19		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 7.5	7.5	25		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 7.4	7.4	25		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 9.9	9.9	33		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 9.7	9.7	32		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	< 9.7	9.7	32		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 8.7	8.7	29		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 5.6	5.6	19		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 8.3	8.3	28		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 3.6	3.6	12		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 4.6	4.6	15		10	ug/L	&	10/10/07 6:12 PM	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	< 8.3	8.3	28		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 8.7	8.7	29		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 6.1	6.1	20		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 9.5	9.5	32		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 6.2	6.2	21		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 8.5	8.5	28		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 7.4	7.4	25		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
Benzene	< 4.1	4.1	14		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
Bromobenzene	< 8.2	8.2	27		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
Bromochloromethane	< 9.7	9.7	32		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
Bromodichloromethane	< 5.6	5.6	19		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
Bromoform	< 9.4	9.4	31		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
Bromomethane	< 9.1	9.1	30		10	ug/L	&	10/10/07 6:12 PM	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 4.9	4.9	16		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
Chlorobenzene	< 4.1	4.1	14		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 8.1	8.1	27		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
Chloroethane	< 9.7	9.7	32		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
Chloroform	< 3.7	3.7	12		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
Chloromethane	< 2.4	2.4	8.0		10	ug/L	&	10/10/07 6:12 PM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 8.3	8.3	28		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 1.9	1.9	6.3		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
Dibromomethane	< 6.0	6.0	20		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 9.9	9.9	33		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B

Client : MIDWEST CONTRACT OPERATIONS, INC.

Matrix Type : WATER

Project Name : MAUTHE

Collection Date : 09/28/07

Project Number :

Report Date : 10/26/07

Field ID : MW-112

Lab Sample Number : 889384-007

VOLATILES

Prep Date/Time: 10/10/07 6:12 PM Anl By: TLT

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Diisopropyl Ether	< 7.6	7.6	25		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
Ethylbenzene	< 5.4	5.4	18		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 7.9	7.9	26		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
Hexachlorobutadiene	< 6.7	6.7	22		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
Isopropylbenzene	< 5.9	5.9	20		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
Methylene Chloride	< 4.3	4.3	14		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 6.1	6.1	20		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
Naphthalene	< 7.4	7.4	25		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
n-Butylbenzene	< 9.3	9.3	31		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
n-Propylbenzene	< 8.1	8.1	27		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
p-Isopropyltoluene	< 6.7	6.7	22		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
s-Butylbenzene	< 8.9	8.9	30		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
Styrene	< 8.6	8.6	29		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
t-Butylbenzene	< 9.7	9.7	32		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
Tetrachloroethene	< 4.5	4.5	15		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
Toluene	< 6.7	6.7	22		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 8.9	8.9	30		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 1.9	1.9	6.3		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
Trichloroethene	820	4.8	16		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
Vinyl Chloride	< 1.8	1.8	6.0		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
Xylene, m + p	< 18	18	60		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
Xylene, o	< 8.3	8.3	28		10	ug/L		10/10/07 6:12 PM	SW846 5030B	SW846 8260B
Surrogate		LCL	UCL							
4-Bromofluorobenzene	94	64	132		10	%		10/10/07	SW846 5030B	SW846 8260B
Toluene-d8	100	73	127		10	%		10/10/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	100	68	122		10	%		10/10/07	SW846 5030B	SW846 8260B

Client : MIDWEST CONTRACT OPERATIONS, INC.
Project Name : MAUTHE
Project Number :
Field ID : MW-113

Matrix Type : WATER
Collection Date : 09/28/07
Report Date : 10/26/07
Lab Sample Number : 889384-008

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Chromium - Dissolved	55000	8.5	28		20	ug/L		10/24/07 05:26 PM	SW846 3020A	SW846 6020
								Prep Date/Time: 10/19/07 12:15 PM	Anl By: MSB	

VOLATILES

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
								Prep Date/Time: 10/10/07 5:04 PM	Anl By: TLT	
1,1,1,2-Tetrachloroethane	< 0.92	0.92	3.1		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	130	0.90	3.0		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 0.20	0.20	0.67		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	1.5	0.42	1.4		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	35	0.75	2.5		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethene	17	0.57	1.9		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 0.75	0.75	2.5		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 0.74	0.74	2.5		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 0.99	0.99	3.3		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 0.97	0.97	3.2		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	< 0.97	0.97	3.2		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 0.87	0.87	2.9		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 0.56	0.56	1.9		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 0.83	0.83	2.8		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B
1,2-Dichloroethane	0.87	0.36	1.2		1	ug/L	Q	10/10/07 5:04 PM	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 0.46	0.46	1.5		1	ug/L	&	10/10/07 5:04 PM	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	< 0.83	0.83	2.8		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 0.87	0.87	2.9		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 0.61	0.61	2.0		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 0.95	0.95	3.2		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 0.62	0.62	2.1		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 0.85	0.85	2.8		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 0.74	0.74	2.5		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B
Benzene	< 0.41	0.41	1.4		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B
Bromobenzene	< 0.82	0.82	2.7		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B
Bromochloromethane	< 0.97	0.97	3.2		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B
Bromodichloromethane	< 0.56	0.56	1.9		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B
Bromoform	< 0.94	0.94	3.1		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B
Bromomethane	< 0.91	0.91	3.0		1	ug/L	&	10/10/07 5:04 PM	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 0.49	0.49	1.6		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B
Chlorobenzene	< 0.41	0.41	1.4		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 0.81	0.81	2.7		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B
Chloroethane	< 0.97	0.97	3.2		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B
Chloroform	0.57	0.37	1.2		1	ug/L	Q	10/10/07 5:04 PM	SW846 5030B	SW846 8260B
Chloromethane	< 0.24	0.24	0.80		1	ug/L	&	10/10/07 5:04 PM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	8.9	0.83	2.8		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B
Dibromomethane	< 0.60	0.60	2.0		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 0.99	0.99	3.3		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B
Diisopropyl Ether	< 0.76	0.76	2.5		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B
Ethylbenzene	< 0.54	0.54	1.8		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 0.79	0.79	2.6		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B
Hexachlorobutadiene	< 0.67	0.67	2.2		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B

Client : MIDWEST CONTRACT OPERATIONS, INC.

Matrix Type : WATER

Project Name : MAUTHE

Collection Date : 09/28/07

Project Number :

Report Date : 10/26/07

Field ID : MW-113

Lab Sample Number : 889384-008

VOLATILES

Prep Date/Time: 10/10/07 5:04 PM Anl By: TLT

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Isopropylbenzene	< 0.59	0.59	2.0		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B
Methylene Chloride	0.56	0.43	1.4		1	ug/L	Q	10/10/07 5:04 PM	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 0.61	0.61	2.0		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B
Naphthalene	< 0.74	0.74	2.5		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B
n-Butylbenzene	< 0.93	0.93	3.1		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B
n-Propylbenzene	< 0.81	0.81	2.7		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B
p-Isopropyltoluene	< 0.67	0.67	2.2		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B
s-Butylbenzene	< 0.89	0.89	3.0		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B
Styrene	< 0.86	0.86	2.9		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B
t-Butylbenzene	< 0.97	0.97	3.2		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B
Tetrachloroethene	< 0.45	0.45	1.5		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B
Toluene	< 0.67	0.67	2.2		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 0.89	0.89	3.0		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B
Trichloroethene	97	0.48	1.6		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B
Vinyl Chloride	< 0.18	0.18	0.60		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B
Xylene, m + p	< 1.8	1.8	6.0		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B
Xylene, o	< 0.83	0.83	2.8		1	ug/L		10/10/07 5:04 PM	SW846 5030B	SW846 8260B
Surrogate		LCL	UCL							
4-Bromofluorobenzene	96	64	132		1	%		10/10/07	SW846 5030B	SW846 8260B
Toluene-d8	101	73	127		1	%		10/10/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	95	68	122		1	%		10/10/07	SW846 5030B	SW846 8260B

Client : MIDWEST CONTRACT OPERATIONS, INC.
Project Name : MAUTHE
Project Number :
Field ID : MW-110D

Matrix Type : WATER
Collection Date : 09/28/07
Report Date : 10/26/07
Lab Sample Number : 889384-009

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Chromium - Dissolved	50000	8.5	28		20	ug/L		10/24/07 05:32 PM	SW846 3020A	SW846 6020
								Prep Date/Time: 10/19/07 12:15 PM		Anl By: MSB
Cyanide, Total - Dissolved	0.070	0.0060	0.020		1	mg/L		10/10/07 11:48 AM	EPA 335.4	EPA 335.4
								Prep Date/Time: 10/09/07 10:48 AM		Anl By: DAW

VOLATILES

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1,2-Tetrachloroethane	< 23	23	77		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	1700	22	75		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 5.0	5.0	17		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 10	10	35		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	390	19	62		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
1,1-Dichloroethene	360	14	47		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 19	19	62		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 18	18	62		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 25	25	82		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 24	24	81		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	< 24	24	81		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 22	22	72		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 14	14	47		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 21	21	69		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 9.0	9.0	30		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 12	12	38		25	ug/L	&	10/09/07 3:35 AM	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	< 21	21	69		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 22	22	72		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 15	15	51		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 24	24	79		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 16	16	52		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 21	21	71		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 18	18	62		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
Benzene	< 10	10	34		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
Bromobenzene	< 20	20	68		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
Bromochloromethane	< 24	24	81		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
Bromodichloromethane	< 14	14	47		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
Bromoform	< 24	24	78		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
Bromomethane	< 23	23	76		25	ug/L	&	10/09/07 3:35 AM	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 12	12	41		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
Chlorobenzene	< 10	10	34		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 20	20	68		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
Chloroethane	< 24	24	81		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
Chloroform	< 9.2	9.2	31		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
Chloromethane	< 6.0	6.0	20		25	ug/L	&	10/09/07 3:35 AM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	78	21	69		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 4.8	4.8	16		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
Dibromomethane	< 15	15	50		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 25	25	82		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
Diisopropyl Ether	< 19	19	63		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
Ethylbenzene	< 14	14	45		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B

Client : MIDWEST CONTRACT OPERATIONS, INC.

Matrix Type : WATER

Project Name : MAUTHE

Collection Date : 09/28/07

Project Number :

Report Date : 10/26/07

Field ID : MW-110D

Lab Sample Number : 889384-009

VOLATILES

Prep Date/Time: 10/09/07 3:35 AM Anl By: TLT

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Fluorotrichloromethane	< 20	20	66		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
Hexachlorobutadiene	< 17	17	56		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
Isopropylbenzene	< 15	15	49		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
Methylene Chloride	< 11	11	36		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 15	15	51		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
Naphthalene	< 18	18	62		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
n-Butylbenzene	< 23	23	78		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
n-Propylbenzene	< 20	20	68		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
p-Isopropyltoluene	< 17	17	56		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
s-Butylbenzene	< 22	22	74		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
Styrene	< 22	22	72		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
t-Butylbenzene	< 24	24	81		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
Tetrachloroethene	< 11	11	38		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
Toluene	< 17	17	56		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	27	22	74		25	ug/L	Q	10/09/07 3:35 AM	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 4.8	4.8	16		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
Trichloroethene	33	12	40		25	ug/L	Q	10/09/07 3:35 AM	SW846 5030B	SW846 8260B
Vinyl Chloride	< 4.5	4.5	15		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
Xylene, m + p	< 45	45	150		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
Xylene, o	< 21	21	69		25	ug/L		10/09/07 3:35 AM	SW846 5030B	SW846 8260B
Surrogate		LCL	UCL							
4-Bromofluorobenzene	96	64	132		25	%		10/09/07	SW846 5030B	SW846 8260B
Toluene-d8	114	73	127		25	%		10/09/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	120	68	122		25	%		10/09/07	SW846 5030B	SW846 8260B

Lab Number	TestGroupID	Field ID	Comment
889384-007	M-ZN-D	MW-112	A - Analyte is detected in the method blank at a concentration of 2.5 ug/L.

Qualifier Codes

Flag Applies To Explanation

Flag	Applies To	Explanation
A	Inorganic	Analyte is detected in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
B	Inorganic	The analyte has been detected between the method detection limit and the reporting limit.
B	Organic	Analyte is present in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
C	All	Elevated detection limit.
D	All	Analyte value from diluted analysis or surrogate result not applicable due to sample dilution.
E	Inorganic	Estimated concentration due to matrix interferences. During the metals analysis the serial dilution failed to meet the established control limits of 0-10%. The sample concentration is greater than 50 times the IDL for analysis done on the ICP or 100 times the IDL for analysis done on the ICP-MS. The result was flagged with the E qualifier to indicate that a physical interference was observed.
E	Organic	Analyte concentration exceeds calibration range.
F	Inorganic	Due to potential interferences for this analysis by Inductively Coupled Plasma techniques (SW-846 Method 6010), this analyte has been confirmed by and reported from an alternate method.
F	Organic	Surrogate results outside control criteria.
G	All	The result is estimated because the concentration is less than the lowest calibration standard concentration utilized in the initial calibration. The method detection limit is less than the reporting limit specified for this project.
H	All	Preservation, extraction or analysis performed past holding time.
HF	Inorganic	This test is considered a field parameter, and the recommended holding time is 15 minutes from collection. The analysis was performed in the laboratory beyond the recommended holding time.
J	All	Concentration detected equal to or greater than the method detection limit but less than the reporting limit.
K	Organic	Detection limit may be elevated due to the presence of an unrequested analyte.
L	All	Elevated detection limit due to low sample volume.
M	Organic	Sample pH was greater than 2
N	All	Spiked sample recovery not within control limits.
O	Organic	Sample received overweight.
P	Organic	The relative percent difference between the two columns for detected concentrations was greater than 40%.
Q	All	The analyte has been detected between the limit of detection (LOD) and limit of quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
S	Organic	The relative percent difference between quantitation and confirmation columns exceeds internal quality control criteria. Because the result is unconfirmed, it has been reported as a non-detect with an elevated detection limit.
U	All	The analyte was not detected at or above the reporting limit.
V	All	Sample received with headspace.
W	All	A second aliquot of sample was analyzed from a container with headspace.
X	All	See Sample Narrative.
Z	Organics	This compound was separated in the CCV standard but it did not meet the resolution criteria as set forth in SW846.
&	All	Laboratory Control Spike recovery not within control limits.
*	All	Precision not within control limits.
+	Inorganic	The sample result is greater than four times the spike level; therefore, the percent recovery is not evaluated.
<	All	The analyte was not detected at or above the reporting limit.
1	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses passed QC based on precision criteria.
2	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses failed QC based on precision criteria.
3	Inorganic	BOD result is estimated due to the BOD blank exceeding the allowable oxygen depletion.
4	Inorganic	BOD duplicate precision not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
5	Inorganic	BOD result is estimated due to insufficient oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
6	Inorganic	BOD laboratory control sample not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
7	Inorganic	BOD result is estimated due to complete oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
8	Inorganic	Sample was received unpreserved. Sample was preserved either at the time of receipt or at the time of sample preparation.
9	Inorganic	Sample was received with insufficient preservation. Acid was added either at the time of receipt or at the time of sample preparation.

Test Group Name	889384-001	889384-002	889384-003	889384-004	889384-005	889384-006	889384-007	889384-008	889384-009
CHROMIUM - DISSOLVED	B	B	B	B	B	B	B	B	B
CYANIDE, TOTAL - DISSOLVED					B		B		B
VOLATILES			G	G	G	G	G	G	G
ZINC - DISSOLVED							B		

Code	WI Certification
B	405132750 / DATCP: 105-444
G	405132750



Sample Condition Upon Receipt

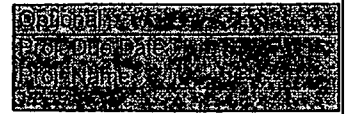
Client Name: MCO

Project # 889384

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no



Packing Material: Bubble Wrap Bubble Bags None Other _____

Thermometer Used B- Type of Ice: Wet Blue None Samples on ice, cooling process has begun

Cooler Temperature ROT

Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: 5-10-07 cf

Temp should be above freezing to 6°C

Comments: VMWY

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>GW</u>		
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, WL-DRO (water)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed <u>cf</u> Lot # of added preservative
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [Signature]

Date: 10-8-07

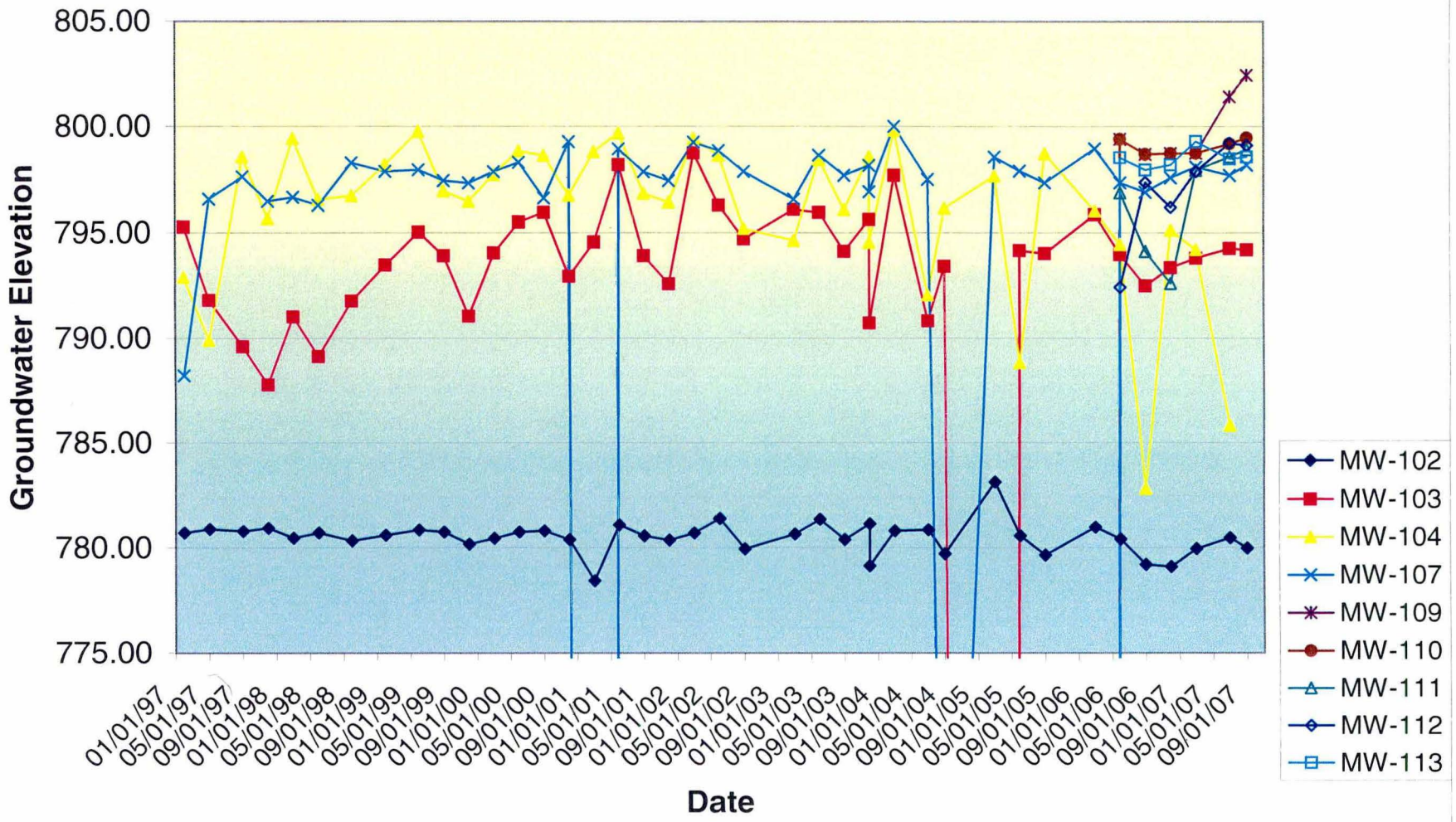
Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

APPENDIX E

GROUNDWATER ELEVATIONS VS. TIME GRAPHS

MW-102, MW-103, MW-104, MW-107, MW-109, MW-110, MW-111, MW112 & MW-113

GROUNDWATER ELEVATIONS VS. TIME GRAPHS

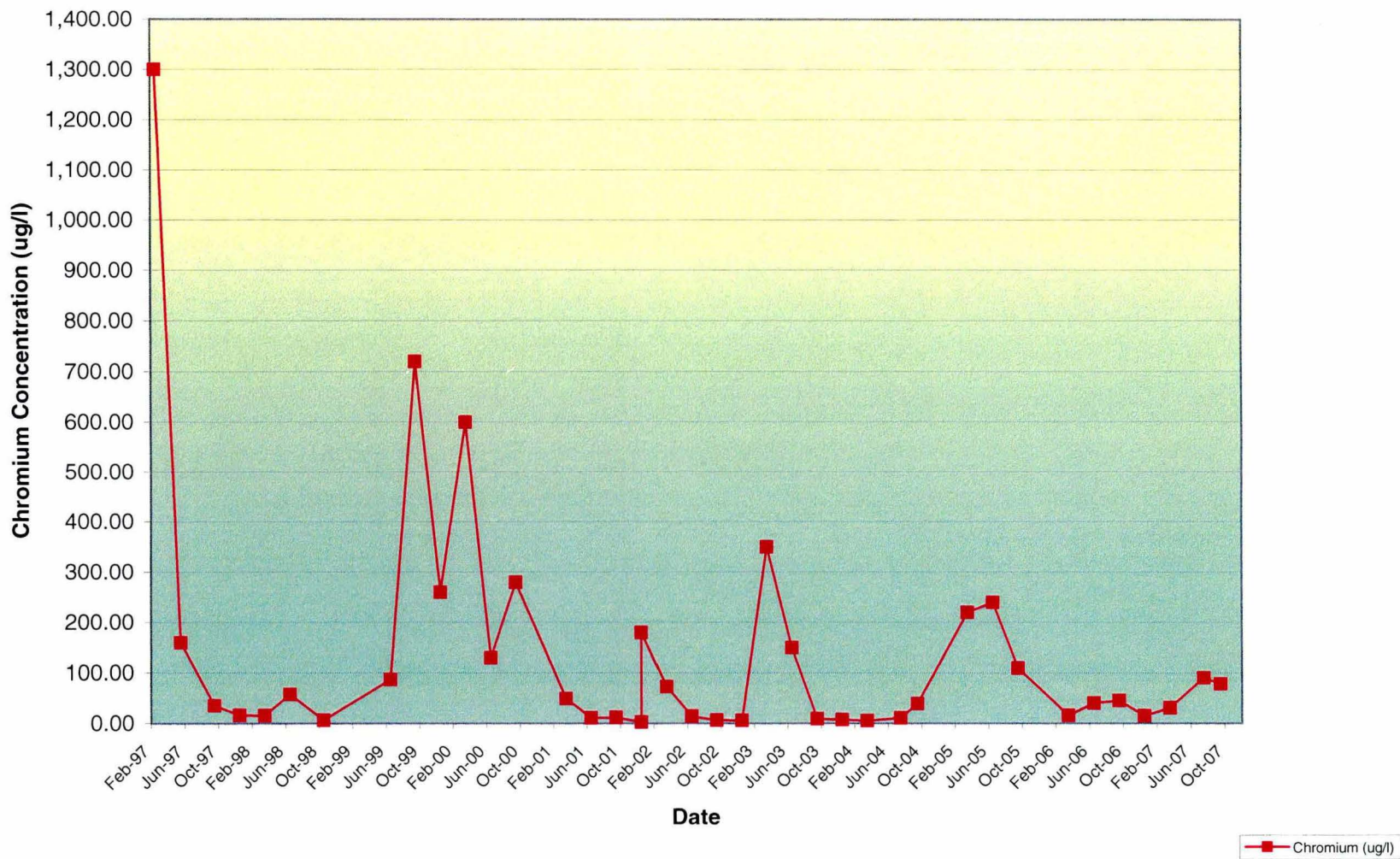


APPENDIX F

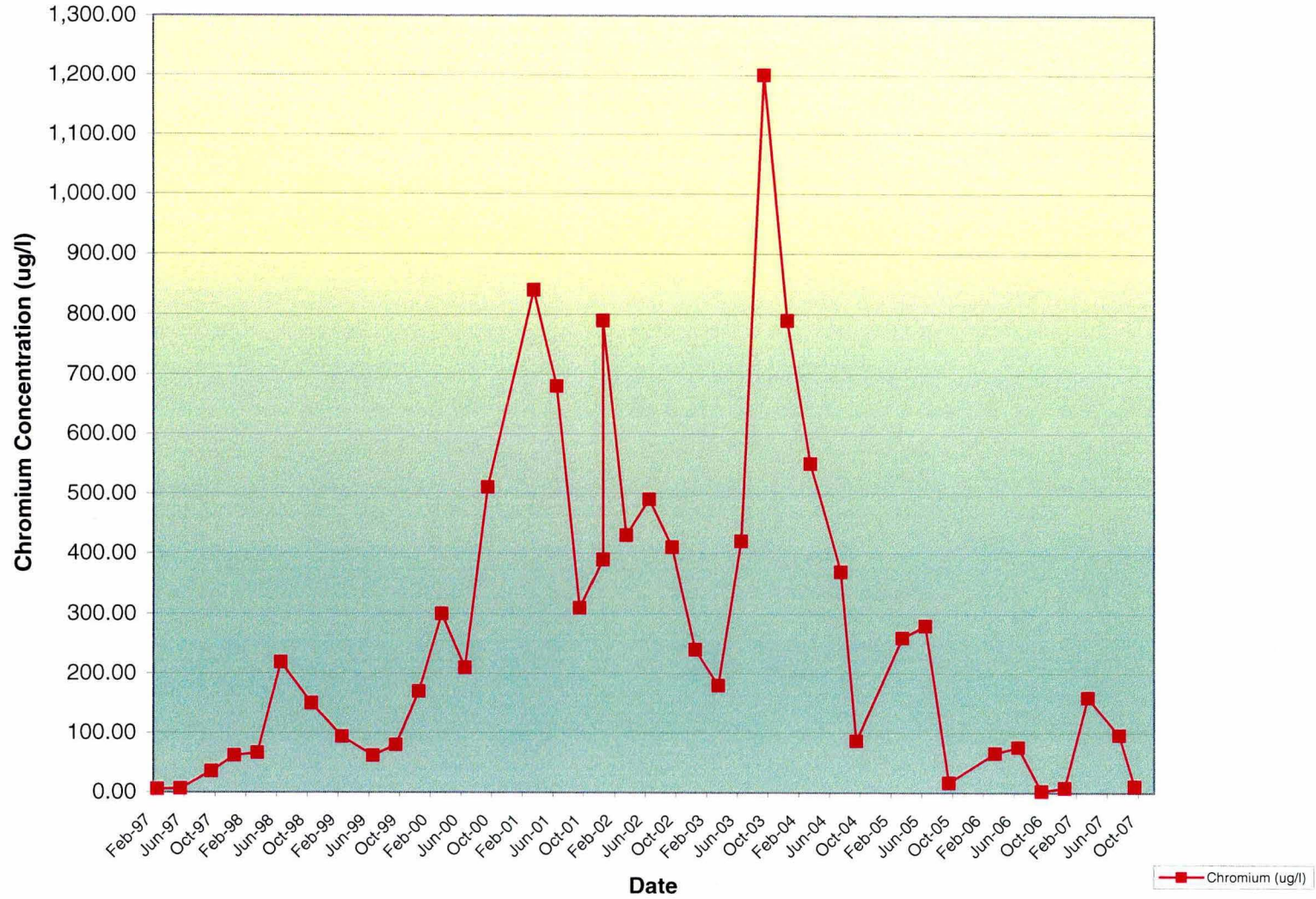
CHROMIUM VS. TIME GRAPHS

MW-103, MW-104, MW-107, MW-109, MW-110, MW-111, MW-112 & MW-113

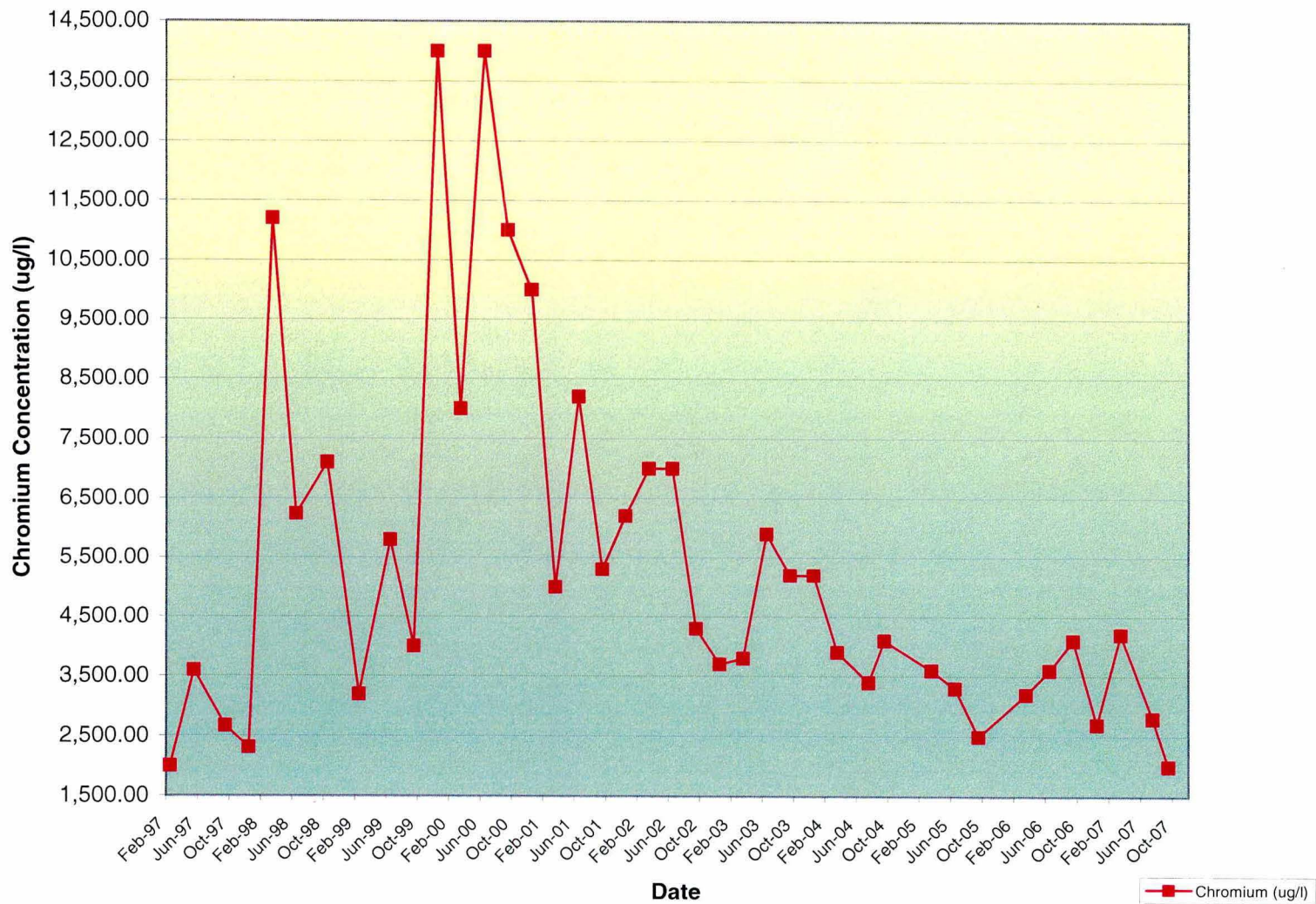
Well W-103 / Concentration Vs. Time



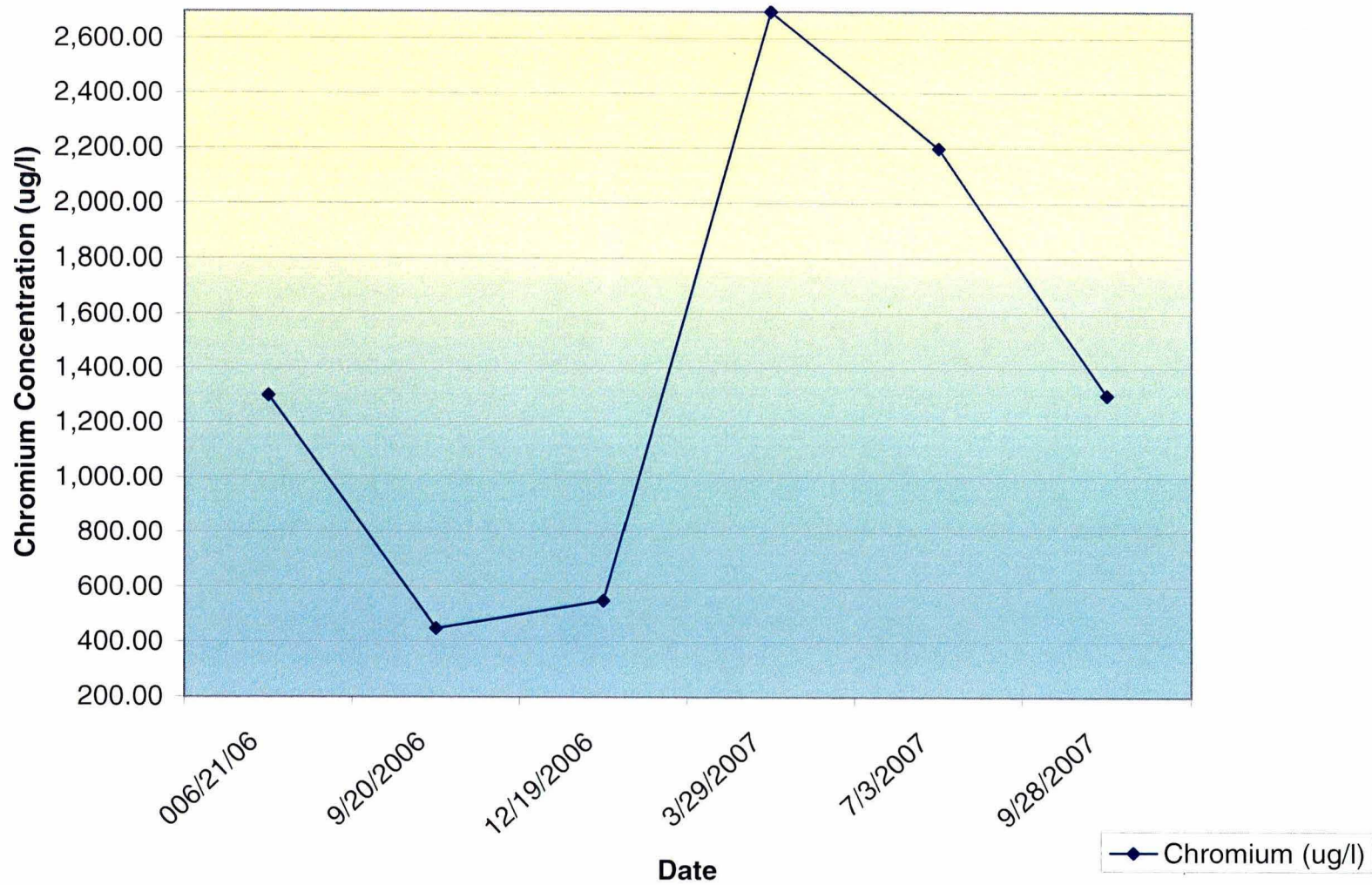
Well W-104 / Concentration Vs. Time



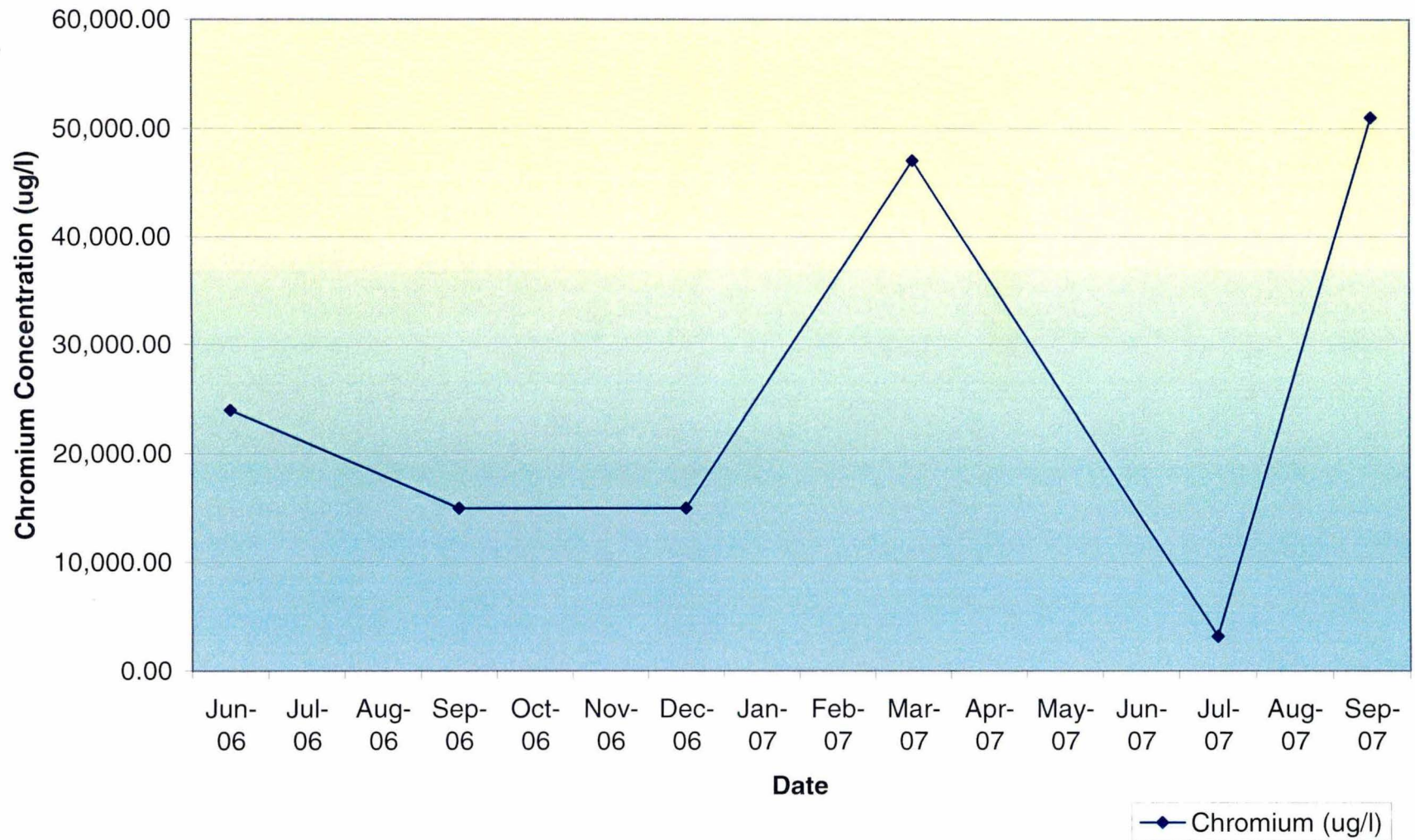
Well W-107 / Concentration Vs. Time



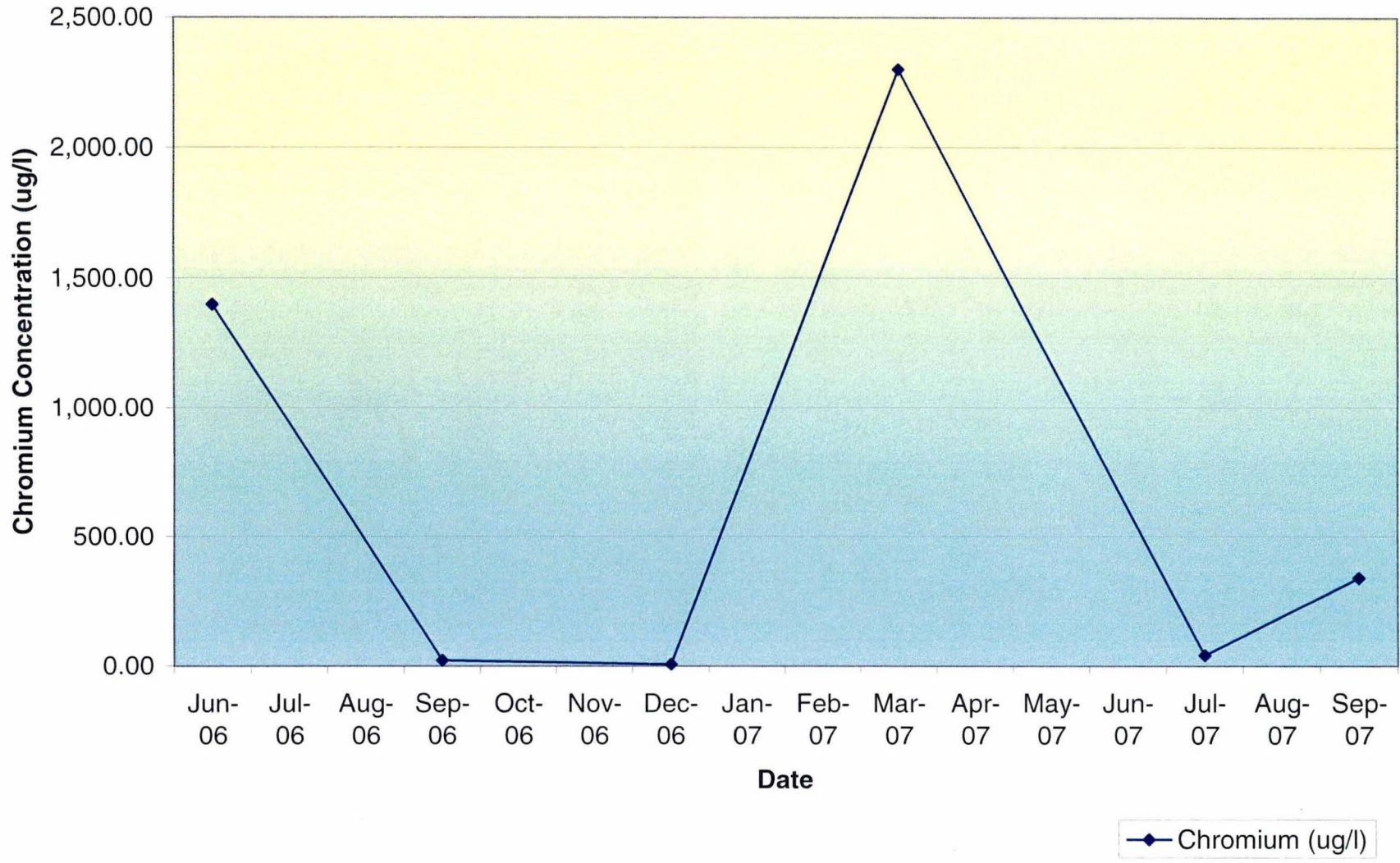
Well MW-109 / Concentration Vs. Time



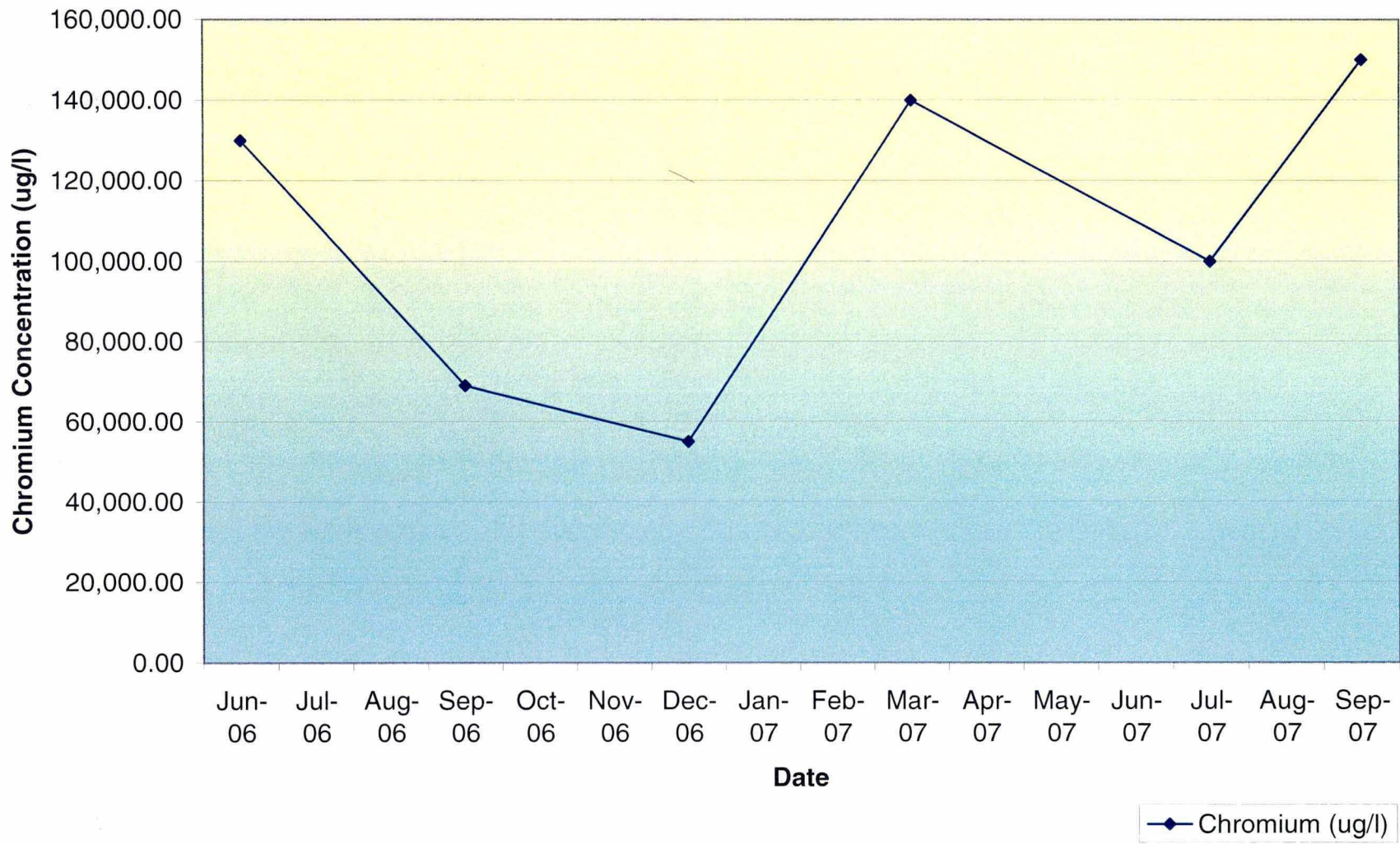
Well MW-110 / Concentration Vs. Time



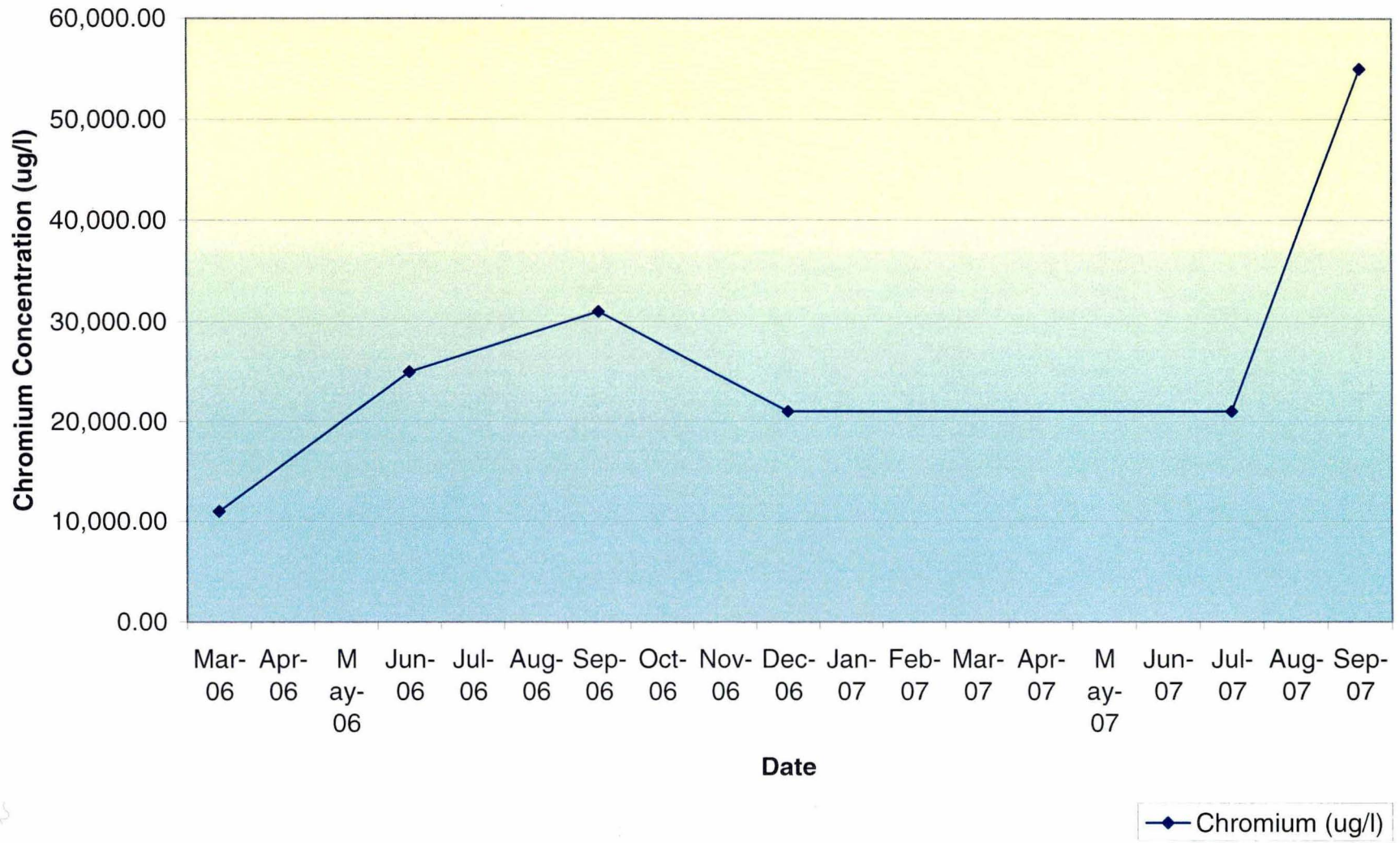
Well MW-111 / Concentration Vs. Time



MW-112 / Concentration Vs. Time



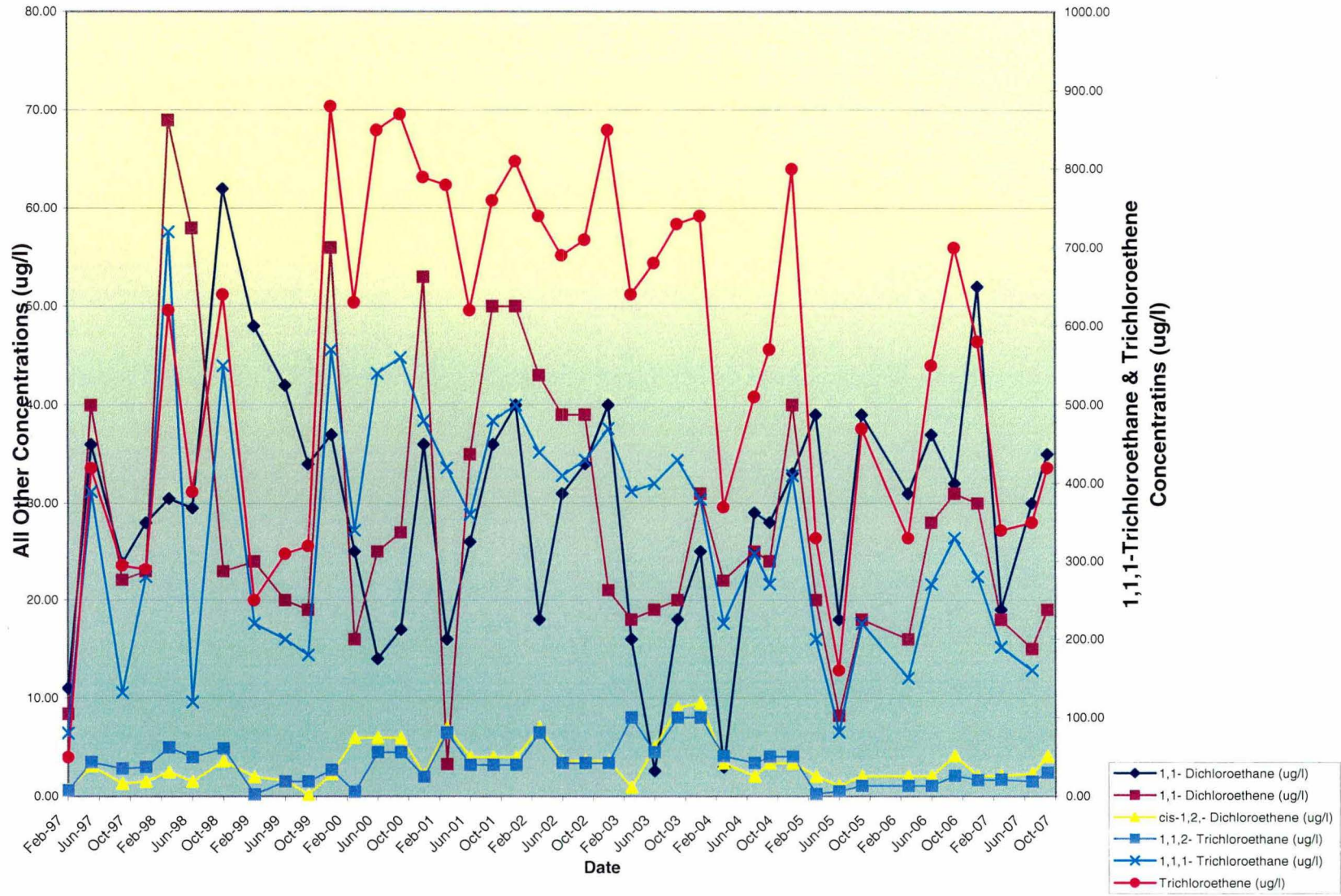
Well MW-113 / Concentration Vs. Time



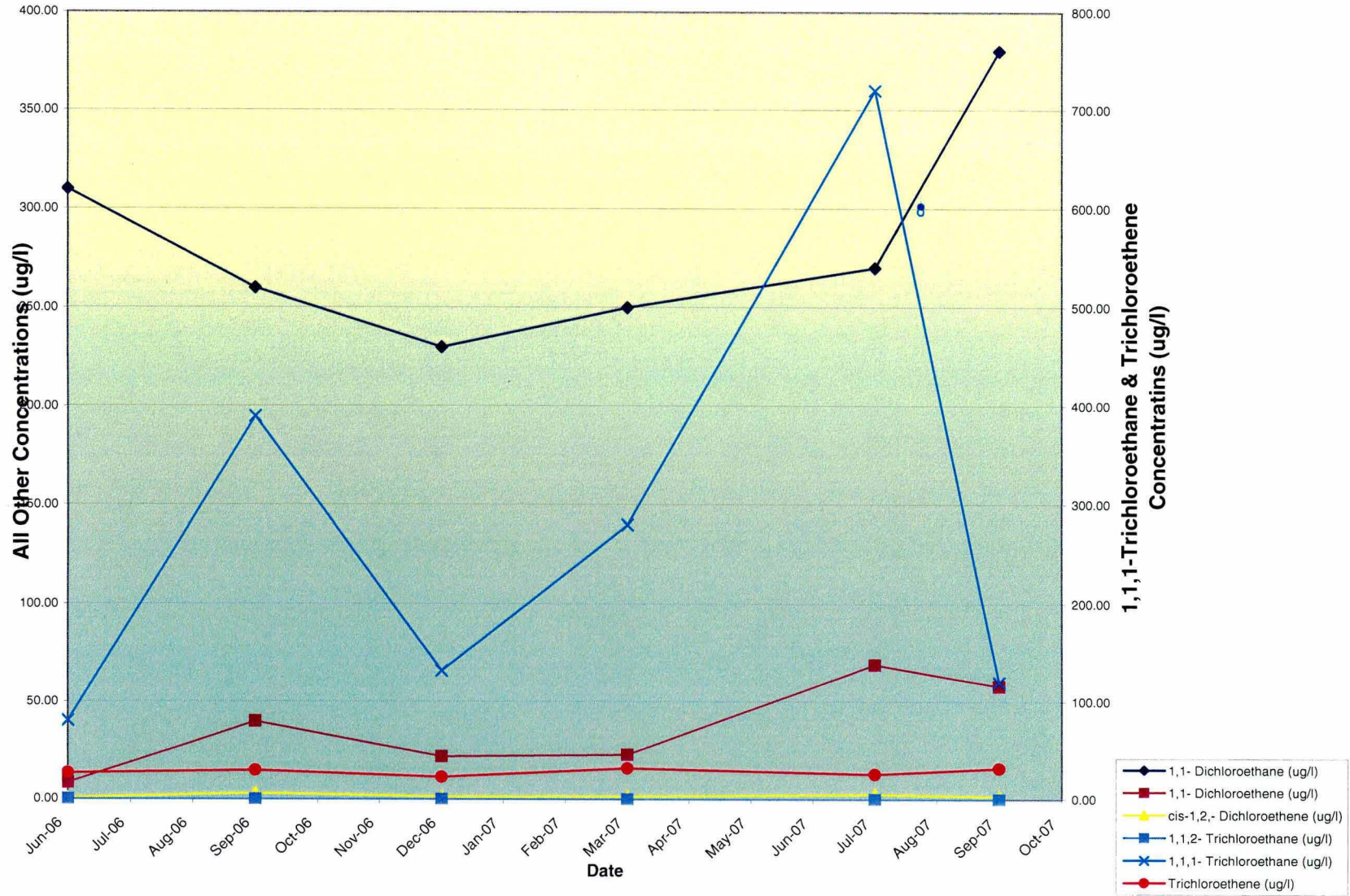
APPENDIX G

VOLATILE ORGANIC COMPOUNDS VS. TIME GRAPHS
MW-107, MW-110 & MW-113

Volatile Organic Compounds (VOC's) Contamination Vs. Time MW-107



Volatile Organic Compounds (VOC's) Contamination Vs. Time MW-110



Volatile Organic Compounds (VOC's) Contamination Vs. Time MW-113

