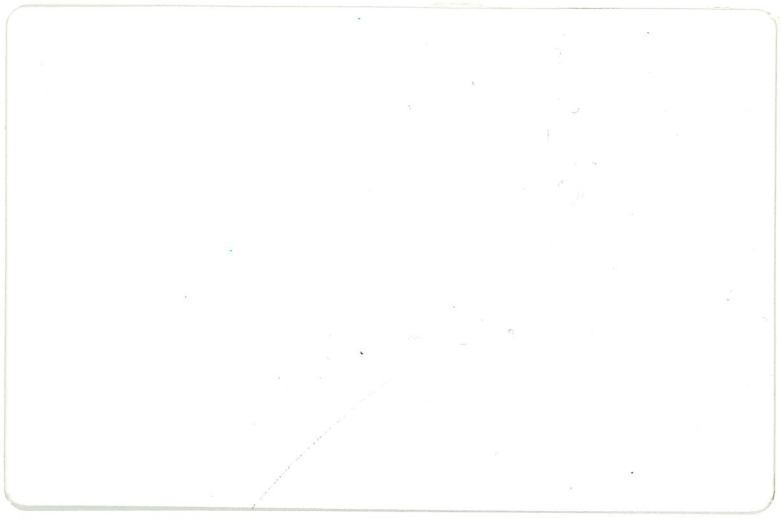

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SITE INVESTIGATION/ CLOSURE ASSESSMENT REPORT

NESS SERVICE CENTER SITE
Green Bay, Wisconsin

August 6, 2003

Envirogen Project No. 990423
WDNR LUST ID No. 03-05-000017
PECFA ID No. 54303-1765-75

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SITE INVESTIGATION/
CLOSURE ASSESSMENT REPORT

For the

NESS SERVICE CENTER SITE

975 West Mason Street
Green Bay, Wisconsin 54303

Submitted to:

MR. GREG NESS

975 West Mason Street
Green Bay, Wisconsin 54303

and

WISCONSIN DEPARTMENT OF COMMERCE

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Prepared by:

ENVIROGEN, INC.

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August 2003

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EXECUTIVE SUMMARY

Envirogen, Inc. (Envirogen) has completed this Site Investigation Report (SIR)/Closure Assessment Report (CAR) for the Ness Service Center site in Green Bay, Wisconsin. Contamination was discovered during the removal of one 4,000-gallon gasoline underground storage tank (UST), in November 1994. In March 1995, Robert E. Lee & Associates (REL) was retained to perform site investigation activities at the site. In September 2000, Envirogen was retained by Mr. Greg Ness to complete site investigation and remediation activities at the Ness Service Center site. During Envirogen's site investigation activities, a total of five monitoring wells were installed. A total of six monitoring wells and ten soil borings were installed on site to characterize and determine the extent of soil and groundwater contamination.

- Site geology primarily consists of a brown, silty clay ranging from 0 to17.5 feet below land surface (bls). Some sand and gravel fill was discovered from 0 to 2 feet bls, on the eastern portion of the site. Bedrock was not encountered during drilling activities.

- Groundwater elevation measurements collected from the monitoring wells indicate groundwater flow to be toward the northeast under an average hydraulic gradient of 0.09 ft/ft. Groundwater flow velocity is estimated to be 5.72 ft/yr. Depth to groundwater ranges between 2 to 10 feet bls.

- Soil contamination at levels above NR 720 generic soil standards were detected in soil samples collected from two of the soil borings advanced on-site and consisted primarily of benzene and total xylenes. Soil contamination is confined to the vicinity of the former pump island. The calculated total soil contaminant mass is approximately 0.4 lbs. of benzene.

- Groundwater contamination at levels above the NR 140 enforcement standards (ES) have historically been detected in groundwater samples collected from MW-1 and MW-11. Monitoring wells, MW-1 and MW-11 exhibited benzene levels above NR 140 ES during each sampling event. Monitoring well MW-1 also exhibited naphthalene levels above its respective NR 140 ES from samples collected on October 24, 2000. Various other petroleum volatile organic compounds (PVOC) were also detected at the site above NR 140 ES's, however not on a consistent basis.

Groundwater sample laboratory analytical reports from groundwater collected from MW-11 on October 24, 2000 and May 8, 2001, indicated 1,2,4- trimethylbenzene (TMB) and 1,3,5- TMB levels to be above the NR 140 ES. Groundwater laboratory analytical results from October 24, 2000 also indicated Toluene levels to be above the NR 140 ES. The calculated total groundwater contaminant mass is unquantifiable due to the limited extent and degree of volatile organic compounds (VOCs), gasoline range organics (GRO) and diesel range organics (DRO) groundwater contamination.

1.0 INTRODUCTION

This document outlines activities conducted to date, along with the data collected to support site closure for the Ness Service Center Site in Green Bay, Wisconsin. A release of petroleum contaminants was documented at the site during UST removal and initial site assessment (ISA) activities.

This SIR/CAR also describes the activities that were conducted during the field study and discusses the results and conclusions associated with the investigation. This report is designed to comply with the Wisconsin Department of Commerce (COMM) and the WDNR requirements for site closure associated with leaking UST system. **The COMM Case Summary and Close Out Form has been included with this report.**

2.0 GENERAL SITE INFORMATION

2.1 Site Location

The Ness Service Center site is located in Green Bay, Wisconsin. The site is located on the south-west corner of the intersection of Mason Street and 14th Avenue. The site is located in Private Claim 2, West side of Fox River, City of Green Bay, Brown County, Wisconsin. Figure 1 illustrates the site location. The site address is:

975 West Mason Street, Green Bay, Wisconsin 54303

2.2 Site Description

The Ness Service Center Site is approximately 250,000 sq/ft. (0.6 acres) in size. The Site contains one building which is located in the approximate center of the site. The remaining portion at the site is primarily asphalt- and concrete-covered. One 4,000-gallon gasoline UST and associated pump islands were formerly located at the northeast corner of the site. One 500-gallon waste oil UST was formerly located near the northwest corner of the building. One 6,000-gallon and two 8,000-gallon gasoline USTs, along with the associated pump islands and canopy, are currently located near the northeast corner of the Ness Service Center building. The site is bordered by West Mason Street to the north, and 14th Avenue to the east. Residential properties border the site to the south and west. Figure 2 illustrates the site plan view.

2.3 Site History

The following provides a chronological summary of the Environmental activities performed at the site. A list of parties involved in site environmental activities is provided as Appendix A.

In November 1994, the former 4,000-gallon unleaded gasoline UST, six dispensers and associated piping was removed from the site under supervision of REL personnel. During removal activities, soil samples were collected from the sidewalls of the excavation and beneath the tanks and associated piping. The samples were field-analyzed using a photoionization detector, and select samples were sent to a state-certified laboratory for analysis of GRO. Laboratory analytical results indicated GRO was present in excess of the Wisconsin Administrative Code (WAC) NR 720 generic soil standard in several samples.

In March 1995, REL was retained to perform site investigation activities. As part of their site investigation, a total of 10 soil borings and one monitoring well was installed.

In February 2000, Envirogen was retained to complete the site investigation and remediation activities. The results of these activities are provided in the subsequent section of this report.

On March 30, 2000, Envirogen oversaw the removal of a 500-gallon waste oil UST. A soil sample was collected during UST removal activities and submitted to a state-certified laboratory for analysis of DRO. Analytical results revealed that DRO was present on the samples, however, the concentration was below the WAC NR 720 generic soil standard.

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3.0 SITE GEOLOGY AND HYDROGEOLOGY

3.1 Site Geology

Data collected during soil boring activities indicated site geology consisted of brown silty clay to a depth of 17.5 ft bls. Local geology consists of a Glacialacustrine Deposits. Lake sediments and associated deltas, sand dunes, and organic deposits, mainly sand, silt and clay. (Hadley and Pelham 1976). Bedrock was not encountered during geoprobe boring and monitoring well installation activities to a maximum depth of 17.5 ft bls. The local bedrock consists of sedimentary rock comprised mainly of dolomite at unconfirmed depths ranging from 90 to 270 feet.(Mudrey, Brown, and Greenburg 1982) (WGNHS n.d.).

3.2 Site Hydrogeology

Depth to groundwater measurements collected from the site monitoring wells located on and adjacent to the site show the groundwater table is located between 2 to 10 ft bls. Groundwater elevation data shows the flow direction to be north/northeast, under a hydraulic gradient of 0.09 ft/ft.

3.3 Local Contaminant Pathways and Receptors

A site walkover was performed to assess the layout of the site and surrounding area, with particular attention being paid to the locations of public and private utilities.

Utility trenches located on and adjacent to the site are potential pathways for contaminant migration. The nearby utilities include, sanitary sewer laterals, storm sewer, water laterals, and underground telephone and electric.

The nearest surface water body that could potentially be affected by contamination from the site is the Fox River located approximately 1,500 feet east of the site.

The Wisconsin Geological and Natural History Survey (WGNHS) was contacted regarding the presence of potable wells within a 1,200-foot radius of the site (WGNHS N.d.). Based on available well construction reports there are two potable wells located within a 1,200-foot radius of the site. The current status of wells reported by WGNHS to be within 1,200 feet of the site is unknown. The logs of these wells are available upon request.

There are no wetlands located on or immediately adjacent to the site (United States Geological Survey [(USGS) 1992]). Based on available information, there are no sensitive ecosystems or habitats and no state or federally listed endangered species on or adjacent to the site.

4.0 SOIL INVESTIGATION

The purpose of the soil contaminant investigation was to delineate the source, nature, degree, and extent of petroleum hydrocarbon soil contamination at the Ness Service Center site. In addition, subsurface materials at the site were characterized to allow development of an appropriate and cost-effective response to the contamination. The investigation included the advancement of hollow-stem augers to obtain preliminary soil characterization information during the installation of monitoring wells. The WDNR boring logs are provided in Appendix B.

4.1 Field Observations

Envirogen's field activities conducted from September 26, 2000 until March 6, 2002 were as follows:

REL performed soil sampling activities on four occasions during the year of 1995. A total of ten soil borings were complete by REL on the site or on adjacent properties. The soil samples were sent to a state-certified laboratory for the GRO, DRO and PVOC. Table 1 illustrates the REL soil sample laboratory analytical results.

Envirogen installed five monitoring wells (MW-10 through MW-14) that were advanced to depths of up to 17.5 feet bls. Soil samples were collected during the installation of the monitoring wells and sent to a state certified laboratory for the analyses of GRO, DRO, PVOC, polynuclear aromatic hydrocarbons (PAH), Polychlorinated biphenyls (PCBs) and lead. Figure 3 illustrates the soil boring/monitoring well locations.

Soil samples were collected from the Soil borings and classified as to soil type according to the Unified Soil Classification System. The site geology primarily consists of brown silty clay material, with gravel and sand fill located to the west of

the site to a maximum depth of 17.5 feet. Bedrock was not encountered during drilling activities. Figure 4 illustrates the plan view of the geologic cross-section. Figure 5 provide a geologic cross- section of A-A'.

Split portions of the hollow stem auger soil samples collected were field-screened with a 10.7 eV photo ionization detector (PID). PID results ranged from <10 ppmv to a high of >256 ppmv.

4.2 Laboratory Analytical Results

Laboratory quality assurance/quality control (QA/QC) soil sample criteria were met. Table 2 illustrates the laboratory analytical results for soil samples collected on September 26, 2000. The soil sample laboratory analytical reports and chain-of-custody forms are provided in Appendix C.

4.3 Summary and Discussion

Contaminant levels at the site were evaluated based on the WAC Chapter NR 720 generic soil standards. If analytes are detected at a concentration equal to or exceeding their respective soil standard, further assessment or remediation is required. For some parameters the soil standards are dependent on site conditions. Standards for GRO and DRO are both 250 ppm if the site's hydraulic conductivity is less than or equal to 1×10^{-6} cm/sec. If the hydraulic conductivity is greater than that value the standards are 100 ppm. The standard for lead is 50 ppm if the site is non-industrial and 500 ppm if it is industrial. The Ness Service Center site has an estimated hydraulic conductivity of 2.0×10^{-2}cm/sec; therefore, the 100 ppm standards for GRO will be applied. Because the site is classified as industrial, the 500 ppm standard will be used for lead.

Based on site investigation observations and laboratory analytical results, Envirogen concludes the following.

Soil samples collected from the installation of monitoring well, MW-11, indicated that benzene and total xylene concentrations were above the NR 720 generic soil standards.

Soil analytical data indicates soil contamination at the Ness Service Center site originates within the former UST cavity and extends to the pump island area. Soil contamination is found at depths from 4 to 9 feet bls.

Soil contamination present at the site is a result of past UST system operations. Based on the location of soil contamination, it is unlikely that contamination from off-site sources has migrated onto the Ness Service Center site.

The lateral extent of soil contamination exceeding the NR 720 generic soil standards has been defined. Estimated benzene contaminant mass is 0.4lbs.

5.0 GROUNDWATER INVESTIGATION

The purpose of the groundwater investigation was to delineate the source, nature, degree, and extent of potential groundwater contamination at the site. In addition, hydrogeology properties were characterized to allow development of an appropriate and cost-effective response.

5.1 Field Observations

On September 26, 2000 Envirogen installed five additional monitoring wells (MW-10 through MW-14). Monitoring well MW-1 was installed by REL and was still located onsite. Investigation activities and resultant observations are as follows.

Five groundwater sampling events were conducted during the site investigation and groundwater monitoring activities. Groundwater sampling events were conducted on the following dates: October 24, 2000, November 30, 2000, May 8, 2001, December 10, 2001, and April 15, 2002. Envirogen personnel developed and sampled MW-1 and MW-10 through MW-14 during each groundwater sampling event. Monitoring wells MW-10 and MW-14 did not have recoverable water during the October 24, 2000 sampling event. In addition, MW- 10 did not have recoverable water during the November 30, 2000 sampling event. The WDNR monitoring well construction and development forms are included in Appendix D.

5.2 Laboratory Analytical Results

Groundwater samples collected from the monitoring wells were submitted to a state certified laboratory for GRO, DRO, VOC and PAH analysis. A summary of groundwater laboratory analytical results is presented in Table 3. The groundwater sample laboratory analytical reports are provided in Appendix E.

For QA/QC purposes a duplicate sample, a decontamination blank, and a trip blank were submitted for laboratory analysis during each sampling event. On the April 15, 2002 groundwater sampling event, a decontamination blank was not collected because the monitoring wells were hand bailed. During the May 8, 2001 groundwater sampling event, the laboratory analytical results for the decontamination blank, indicated contamination of PVOC constituents. According to the laboratory analytical report, the contamination was between the limit of detection and the limit of quantification, and not above NR 140 preventative action limit (PAL) or ES.

5.3 Groundwater Flow Characterization

On July 19, 2001, a professional survey was conducted by Martenson & Eisele, Inc. at the Ness Service Center site. This survey included top of casing elevations that were utilized to determine groundwater table elevations. During each sampling event, depth to groundwater measurements were collected from the monitoring wells. This information was used to calculate groundwater elevations and flow directions. Water table elevations are presented in Table 4.

As evidenced by the data presented in Table 4, groundwater elevations fluctuate throughout the site. Figures 6, 7 and 8 depict the groundwater flow direction and gradients on August 31, 2001, December 10, 2001, and April 15, 2002, respectively. Even with the seasonal fluctuation, the groundwater flow is consistent in a north/northeast direction. Using the data from the August 31, 2001 measurements, the hydraulic gradient (i) has been calculated as shown below:

$$i = \text{Hydraulic gradient} = \frac{\text{Change in groundwater elevation (589.0 –583.0 contour)}}{\text{Distance (589.0 to 583.0 contour)}}$$

$$i = \frac{dh}{dl} = \frac{6.00\ ft}{70\ ft} = 0.09\ ft/ft$$

Based on slug test data, a hydraulic conductivity of 0.109 ft/day has been calculated. Using the hydraulic conductivity, an assumed effective porosity of 0.55, and the measured hydraulic gradient (0.09 ft/ft), the on-site groundwater velocity may be estimated as follows (Freeze and Cherry 1979):

$$V = K (i) (1/n)$$

- K = Average hydraulic conductivity = 0.097 ft/day = 35 ft/year
- n = Porosity = 0.55
- i = Hydraulic gradient = 0.09 ft/ft

$$V = (35) (0.09) (1/0.55)$$
$$V = 5.72 \text{ ft/yr}$$

The groundwater average linear flow velocity represents the maximum rate at which advection could transport the contaminants. On this site the actual contaminant transport velocity would probably be less because of factors such as soil characteristics, contaminant solubility, hydrodynamic flow characteristics, and biotic and abiotic mechanisms. Slug test data is provided in Appendix F.

5.4 Summary and Discussion

The WDNR has established regulatory limits for evaluating select compounds in groundwater. For each compound, the WDNR has established a PAL and an ES. If the concentration of a compound exceeds the PAL, the WDNR may require no further action or additional investigation. If the concentration exceeds the ES, the WDNR may require remediation, unless the guidelines for natural attenuation are met.

Based on site investigation observations and laboratory analytical results, the following conclusions were reached.

Groundwater samples were collected from all six monitoring wells at the site and submitted for laboratory analysis. Groundwater samples collected from monitoring wells, MW-1 and MW-11 have continually shown benzene levels above the NR 140 ES. During the October 24, 2000 groundwater sampling event, groundwater samples from monitoring well MW-1 also indicated naphthalene levels above NR 140 ES. During that same groundwater sampling event, laboratory analytical results indicated Toluene, 1,2-4 TMB, and 1,3-5 TMB collected from monitoring well, MW-11 to be above the NR 140 ES. On May 8, 2001, groundwater samples collected from monitoring well, MW-11 were indicated to have 1,2-4 and 1,3-5 TMB levels above the NR 140 ES.

NR 140 PALs were exceeded by PVOC constituents from groundwater collected at monitoring well, MW-1 and MW-11 during different quarterly groundwater sampling events. These PVOC constituents include: ethylbenzene, methyl t-butyl ether (MTBE), naphthalene and total xylene.

The extent of groundwater contamination at the Ness Service Center site has been defined. The groundwater contaminant concentration distribution at the site indicates the observed petroleum contamination likely originated from the former UST system. Figure 9 illustrates the groundwater benzene distribution from the April 15, 2002 groundwater sampling event.

6.0 CONDITIONAL SITE CLOSURE CRITERIA

As specified in WAC Chapter NR 726.05(2)(b), five criteria must be satisfied in order to grant closure to a site with groundwater contamination that exceeds NR 140 PAL or ES values. The five closure criteria are:

- Adequate source control measures have been taken.
- Natural attenuation will bring the groundwater into compliance with NR 140 groundwater quality standards within a reasonable period of time.
- NR 140 PAL will not migrate beyond the boundaries of the property which have been issued a PAL exemption, or that have an NR 140 ES exceedance that has been included on the Department's Geographic Information System Registry of Closed Remediation Sites.
- If there are NR 140 ES exceedance on any property within or partially within the contamination site boundaries, each property will be included on the Department's Geographic Information System Registry of Closed Remediation Sites.
- There is no existing or anticipated threat to the environment or public health, safety or welfare.

Site specific information indicates that each issue regarding site closure according to the groundwater flexibility criteria has been addressed at the Ness Service Center site, therefore Envirogen is requesting site closure.

1) *"Adequate source control measures have been taken"*

During the weeks of November 7th and 14th, 1994, a 4,000-gallon gasoline UST, six petroleum dispensers, and associated piping were removed from the site. A 500 gallon waste oil UST was also removed from the site on March 30, 2000.

U.S. Petroleum Equipment and Environmental Services was contracted to remove the 4,000-gallon gasoline UST, and the 500 gallon waste oil UST. Gasoline from the UST was purged and placed into the newly constructed UST. Product from the waste oil tank was placed in a 55- gallon drum and disposed of by U.S. Petroleum Equipment and Environmental Services.

Site investigation data revealed that the area of contaminated soil was limited in extent to the area surrounding the former pump island, and ranges in depth from 4-9 ft bls. The main area of the contamination is near the pump island.

2) ***"Natural Attenuation will bring groundwater into compliance with Ch. NR 140 groundwater quality standards within a reasonable period of time, considering the criteria in NR 722.07"***

The physical, biological, and geochemical characteristics of the aquifer at the Ness Service Center site were evaluated in order to assess the potential for groundwater contaminants to naturally attenuate over time. The critical criterion for evaluating natural attenuation is whether the rate of natural attenuation is more rapid or equal to the contaminant loading rate. To evaluate the natural attenuation rate, groundwater contaminant trends are monitored. Decreasing or stable contaminant trends provide direct evidence of a shrinking or stable groundwater plume. Natural attenuation indicator parameters that measure the geochemical and biological aquifer characteristics provide supporting evidence for the biotic degradation mechanism of natural attenuation.

A total of five groundwater sampling events were conducted between the dates of October 24, 2000 to April 15, 2002. Historically, samples from monitoring wells MW-1 and MW-11 have consistently shown detections of PVOC constituents at concentrations above NR 140 ES. During the five groundwater sampling events, a significant decrease in contaminant concentrations has been shown in groundwater samples collected at monitoring well MW-11. As of the April 15, 2002 groundwater sampling event, benzene was the only contamination constituent above NR 140 ES. Benzene levels from monitoring well, MW-11 have decrease from 1,460 ppb, during the October 24, 2000 groundwater sampling event, to a benzene level of 650 ppb in the most recent groundwater sampling event. PVOC contamination constituents above the NR 140 ES, have decreased in groundwater samples collected from monitoring well MW-1, during the five groundwater sampling events. Benzene levels in groundwater collected from monitoring well, MW-1 have fluctuated during the latest groundwater sampling events. However, compared with the October 24, 2000 groundwater sampling event where the benzene level was at 187 ppb to the April 15, 2002 groundwater sampling event where the benzene level was at 100 ppb, benzene levels have shown an overall decrease.

During the December 10, 2001 and April 15, 2002 quarterly groundwater sampling events, natural attenuation field parameters were collected. The parameters included dissolved oxygen (DO), specific conductance, oxidation reduction potential, temperature, and pH.

Table 5 displays the natural attenuation field measurements. Natural attenuation bioactivity parameters were also collected during the December 10, 2001 groundwater sampling event. These parameters included, total alkalinity, dissolved iron, dissolved manganese, nitrate/nitrite, and sulfate. Natural attenuation laboratory analytical results are shown in Table 6.

In normal distributions, DO is higher in non-contaminated areas than in contaminated areas because DO is depleted by the aerobic biodegradation of contaminants. The natural attenuation field measurements demonstrate this distribution very well indicating that the biodegradation mechanism of natural attenuation is occurring. The upgradient and downgradient monitoring wells indicated higher DO levels then the monitoring wells located in the contamination plume, showing that the upgradient DO is supplying the contamination plume with DO, allowing for biodegradation. The downgradient monitoring wells showed that the groundwater had recovered the DO, after exiting the groundwater contamination plume. Figure10 displays the dissolved oxygen distribution for the on site monitoring wells. As shown in the table the oxidation levels were at the lowest concentration in the most contaminated area. This indicates that natural attenuation processes are occurring on site.

Results of the analysis showed depleted concentrations of nitrates and increased concentrations of dissolved iron in samples collected from monitoring wells, MW-1 and MW-11, which contain the highest levels of residual groundwater contamination. The depleted concentrations of nitrates and increased concentration of dissolved iron illustrates that various stages of biodegradation are occurring in the dissolved contaminant plume. Natural attenuation field measurements are provided in Appendix G.

3) ***"Groundwater contamination exceeding ch. NR 140 PALs will not migrate beyond the boundaries of the property which have been issued a PAL exemption, or that have an NR 140 ES exceedance that has been included on the Department's Geographic Information System Registry of Closed Remediation Sites."***

The analytical data from the five groundwater sampling events have shown that the groundwater contaminant plume is stable. The groundwater plume, as evidenced by contaminant concentrations in excess of regulatory standards, is contained within the property boundaries of the Ness Service Center site. Upon COMM approval for flexible site closure, the site will be placed on the Geographic Information System Registry of Closed Remediation Sites.

4) ***"If there are ch. 140 ES exceedances on the property within or partially within the contamination site boundaries, each property will be included on the Department's Geographic Information System Registry of Closed Remediation Sites"***

According to groundwater laboratory analytical results from the five groundwater sampling events collected from the two offsite monitoring wells, no groundwater contamination was observed on the neighboring properties.

5) ***"There is no existing or anticipated threat to public health, safety or welfare, or the environment."***

At the site there is no existing threat to public health, safety or welfare, or the environment. The soil samples demonstrated that the soil contamination present on the site is limited and confined to the area of the pump island. The contaminated soil is covered with asphalt and at a depth where it is not a threat to public health, safety or welfare, or the environment. The groundwater contaminant analytical data indicate that the groundwater contaminant plume is confined to the site.

7.0 SUMMARY AND CONCLUSIONS

The conclusions reached based on the closure assessment are as follows:

The UST system that was the source of contamination has been removed.

Site geology primarily consists of a brown, silty clay ranging from 0 to17.5 feet below land surface (bls). Bedrock was not encountered during drilling activities.

Site hydrogeology has the following characteristics:

- Depth to groundwater in the monitoring wells was encountered between 2 to 10 feet bls across the site.
- Measurements taken in the monitoring wells indicated groundwater flow to be north/northeast under an average hydraulic gradient of 0.09 ft/ft.
- Groundwater flow velocity is estimated to be 5.72 ft/year.

Soil contamination exceeding the NR 720 generic soil standards have been defined. One soil sample, MW-11 (7-9 ft bls), was detected to have benzene and total xylenes to be above the NR 720 generic soil standard. Benzene soil contaminant mass is approximately 0.4 lbs. DRO soil contaminates was too minimal to calculate.

Remaining soil contamination is located at depth or beneath concrete or asphalt and is inaccessible to direct human contact.

Monitoring wells MW-1 and MW-11 are the only monitoring wells that indicate PVOC contamination constituents to be above the NR 140 ES.

Groundwater contaminant trends indicate that the existing petroleum groundwater plume is stable. Based on current site conditions and anticipated future aquifer use, no potential receptors, including surface water bodies, sensitive ecosystems, or public or private water supply wells are threatened.

8.0 CONDITIONS AND CERTIFICATIONS

This Site Investigation/Closure Assessment Report has been prepared, in part, as an underground exploration evaluation for the Ness Service Center site. The evaluations and recommendations presented in this report were developed from a consideration of the project characteristics and an interpretation of available geologic, hydrogeologic, and boring data. Envirogen's description of the subsurface conditions is based on interpretation of the test boring and monitoring well data using normally accepted geologic/hydrogeologic practices and reasonable engineering judgment. Although boring and monitoring well data are considered to be representative of the subsurface conditions at the precise locations on the dates shown, they are not necessarily indicative of the subsurface conditions at other locations and/or at other times of the year.

Hydrogeologic representations and chemical distribution isoconcentration contours are approximate. They were generalized from and interpolated between the sampling locations. Information on actual hydrogeologic conditions and chemical concentrations exists only at the specific sampling locations, and it is possible that conditions between sampling locations may vary from those indicated. Variations in soil and groundwater conditions typically exist at most sites between sampling locations and at different times, the extent of which may not become evident without further exploration or excavation. If variations are noted in the future, Envirogen should be informed. It may be necessary to conduct additional exploration activities to determine the characteristics of these variations and provide an opportunity to make a re-evaluation of the conclusions in this report.

Envirogen's professional services have been performed, findings obtained, and recommendations prepared in accordance with generally accepted engineering and hydrogeologic principles and practices. This warranty is in lieu of all other warranties either implied or expressed. Envirogen assumes no responsibility for data or interpretations made

by others. Envirogen assumes responsibility for the accuracy of the report's contents subject to what is stated elsewhere in this section but recommends that the report be used only for the purpose intended by the client and Envirogen when the report was prepared. The report may be unsuitable for other uses, and reliance on its contents by anyone other than the client is done at the sole risk of the user. Envirogen accepts no responsibility for application or interpretation of the results by anyone other than the client.

The recommendations and conclusions presented herein have been developed from consideration of the project characteristics and interpretation of available information. Because only limited information is available, Envirogen reserves the right to modify actual site activities based on subsequent findings. The recommendations contained in this SIR/ CAR represent our professional opinion.

This SIR/CAR was prepared by ENVIROGEN, INC.

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JDN:cp

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ACRONYM DEFINITIONS

bls -	below land surface
CAR -	Closure Assessment Report
COMM -	Wisconsin Department of Commerce
DO-	dissolved oxygen
DRO -	diesel range organics
Envirogen -	Envirogen, Inc.
ES -	enforcement standard
GRO -	gasoline range organics
ISA -	Initial Site Assessment
MTBE-	methyl t-butyl ether
PAH-	polynuclear aromatic hydrocarbon
PAL -	preventive action limit
PCB-	polychlorinated biphenyls
PID -	photoionization detector
PVOC-	petroleum volatile organic compounds
QA/QC-	quality assurance/quality control
REL-	Robert E. Lee & Associates
SIR-	Site Investigation Report
TMB-	trimethylbenzene
USGS -	United States Geological Survey
UST -	underground storage tank
VOC -	volatile organic compound
WAC -	Wisconsin Administrative Code
WDNR -	Wisconsin Department of Natural Resources
WGNHS -	Wisconsin Geological and Natural History Survey

LIST OF TABLES

TABLE 1

Soil Sample Laboratory Analytical Results
Robert E. Lee and Associates Soil Borings
Ness Service Center Site
Green Bay, Wisconsin

Sample	Date	Sample Depth (feet bls)	DRO (ppm)	GRO (ppm)	Benzene	Ethyl-benzene	Toluene	Total Xylenes	MTBE	Naphthalene	1,2,4-TMB	1,3,5-TMB	Lead (ppm)
HB-1	3/29/95	5-6	<10	<10	<5.8	<5.8	<5.8	<17.8	<5.8	<0.33	<5.8	<5.8	6.96
HB-2		4-5	<10	<10	<6.1	<6.1	<6.1	<18.1	<6.1	<0.33	<6.1	<6.1	3.57
HB-3		4.5-5	<10	50	<5.7	780	370	**4,200**	31	<0.33	5,300	1,900	4.27
SB-2	5/9-11/95 & 8/18/95	6-8	<10	<10	<25	<25	<25	<75	<25	<25	<25	<25	3.51
SB-3		6-8	22	26	<25	<25	170	<75	<50	<25	<25	<25	3.22
SB-4		2-4	<10	<10	<25	<25	<25	<75	<25	<25	<25	<25	2.49
SB-5		4-6	<10	<10	<25	<25	<25	<75	<25	<25	<25	<25	3.74
SB-7		4-6	<10	<10	<25	<25	<25	<75	<25	<25	<25	<25	3.35
HA-6		4-5	<10	<10	<25	<25	<25	<75	<25	<25	<25	<25	2.60
HA-8		4-5	10	12	NA	NA	NA	NA	NA	NA	NA	NA	2.25
NR 720 Generic Soil Standards			100	100	5.5	2,900	1,500	4,100	NS	NS	NS	NS	50

Notes: All results are reported in ppb, unless otherwise noted

Bold indicates sample value equals or exceeds the NR 720 generic soil standard.

bls: below land surface
DRO: Diesel range organics
GRO: Gasoline range organics
MTBE: Methyl t-butyl ether
TMB: Trimethylbenzene
NA: Not analyzed
NS: No standard

Checked by: _____
Approved by: _____

TABLE 2
Soil Sample Laboratory Analytical Results
Ness Service Center Site
Green Bay, Wisconsin

Sample	Date	Sample Depth (feet bls)	PID (ppmv)	DRO (ppm)	GRO (ppm)	Benzene	Ethyl-benzene	MTBE	Naphthalene	Toluene	1,2,4-TMB	1,3,5-TMB	Total Xylenes	Lead (ppm)
MW-10	9/26/00	11-13	<10	<5.7	<5.7	<25	<25	<25	<5.8	<25	<25	<25	<25	5.19
MW-10	9/26/00	15-17	<10	<5.9	<5.9	<25	<25	<25	<5.7	<25	<25	<25	<25	5.01
MW-11	9/26/00	7-9	256	8.59	68.4	**107**	1,290	91.9	80.3	1,340	3,590	1,210	**5,190**	2.46
MW-11	9/26/00	13-15	66.4	<5.9	<5.9	<25	<25	<25	<5.9	<25	<25	<25	<25	4.40
MW-12	9/26/00	9-11	<10	<5.7	<5.7	<25	<25	<25	<5.7	<25	61.2	<25	80.1	5.51
MW-12	9/26/00	15-17	<10	<5.9	<5.9	<25	<25	<25	<6.2	<25	<25	34.7	25.1	4.37
MW-13	9/26/00	5-7	<10	6.72	9.07	<25	170	<25	<7.0	118	634	199	694	6.11
MW-13	9/26/00	15-17	<10	<5.8	<5.8	<25	<25	<25	<5.9	<25	<25	<25	<25	4.95
MW-14	9/26/00	11-13	<10	<5.8	<5.8	<25	<25	<25	<5.8	<25	<25	<25	<25	4.10
MW-14	9/26/00	15-17	<10	<5.8	<5.8	<25	<25	<25	<5.9	<25	<25	<25	<25	3.18
NR 720 Generic Soil Standard				100	100	5.5	2,900	NS	NS	1,500	NS	NS	4,100	50

Notes: All results are reported in ppb, unless otherwise noted
Bold indicates value equals or exceeds the NR720 gerneric soil standard

bls: Below land surface
PID: Photoionization detector
DRO: Diesel Range Organics
GRO: Gasoline Range Organics
DCA: Dichloroethane
MTBE: Methyl t-butyl ether
TMB: Trimethylbenzene
NA: Not analyzed
NS: No standard

Checked by: _____
Approved by: _____

TABLE 3
Groundwater Sample Laboratory Analytical Results
Ness Service Center Site
Green Bay, Wisconsin

Well	Sample Date	DRO	GRO	Benzene	1,2-DCA	Ethyl-benzene	MTBE	Naphthalene	Toluene	1,2,4-TMB	1,3,5-TMB	Total Xylenes	Dissolved Lead
MW-1	10/24/2000	1.17	3,740	**187**	<0.5	*105*	<0.1	**45**	<5	23.2	48.1	67	NA
	11/30/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/8/2001	NA	1,200	**32**	NA	*94*	*13*	*16*	2	12	2.3	14	NA
	12/10/2001	NA	NA	**38**	NA	63	*12*	*14*	2.5	0.82	0.62	5.2	NA
	4/15/2002	NA	NA	**100**	NA	*150*	*43*	*32*	6	18	3	34	NA
MW-10	10/24/2000	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	11/30/2000	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	5/8/2001	NA	NA	<0.21	<0.23	<0.22	<0.46	<0.69	<0.41	<0.26	<0.34	<0.69	NA
	12/10/2001	NA	NA	<0.21	NA	0.3	<0.46	NA	<0.41	0.51	0.42	2.2	NA
	4/15/2002	NA	NA	<0.43	NA	<0.49	<0.49	NA	<0.63	<0.42	<0.72	<1.5	NA
MW-11	10/24/2000	1.22	12,100	**1,460**	<12.3	*322*	<2.53	<20	**4,470**	**191**	**546**	*2,800*	NA
	11/30/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/8/2001	NA	2,400	**860**	NA	*220*	*12*	*18*	13	**46**	47	110	NA
	12/10/2001	NA	NA	**800**	NA	*88*	11	*14*	7	15	3.7	36.5	NA
	4/15/2002	NA	NA	**650**	NA	*210*	*16*	*20*	47	48	<7.2	86	NA
MW-12	10/24/2000	<0.1	<50	<0.5	<0.5	<5	<0.1	<8	<5	<5	<5	<5	NA
	11/30/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/8/2001	NA	<100	<0.21	NA	0.32	<0.46	NA	<0.41	<0.26	<0.34	<0.69	NA
	12/10/2001	NA	NA	<0.21	NA	<0.22	<0.46	NA	<0.41	0.63	0.37	1.31	NA
	4/15/2002	NA	NA	<0.43	NA	<0.49	<0.49	NA	<0.63	<0.42	<0.72	<1.5	NA
MW-13	10/24/2000	<0.1	<50	<0.5	<0.5	<5	5.87	<8	<5	<5	<5	<5	NA
	11/30/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/8/2001	NA	<100	<0.21	NA	<0.22	2.4	NA	<0.41	<0.26	<0.34	<0.69	NA
	12/10/2001	NA	NA	<0.21	NA	0.37	1.2	NA	<0.41	1.4	.65	2.85	NA
	4/15/2002	NA	NA	<0.43	NA	<0.49	1.1	NA	<0.63	<0.42	<0.72	<1.5	NA
MW-14	10/24/2000	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	11/30/2000	NA	<50	<0.5	<0.5	NA	<0.5	<8	<5	<5	<5	<5	NA
	5/8/2001	NA	<100	<0.21	NA	<0.22	<0.46	NA	<0.41	<0.26	<0.34	<0.69	NA
	12/10/2001	NA	NA	<0.21	NA	0.33	<0.46	NA	<0.41	1	0.51	2.31	NA
	4/15/2002	NA	NA	<0.43	NA	<0.49	<0.49	NA	<0.63	<0.42	<0.72	<1.5	NA
NR 140 ES		NS	NS	5	5	700	60	40	1,000	480*		10,000	15
NE 140 PAL		NS	NS	0.5	0.5	140	12	8	200	96*		1,000	1.5

Notes: All results are reported in ppb, unless otherwise noted
Bold indicates value equals or exceeds the NR 140 Enforcement Standards.
Italics indicates value equals or exceeds the NR 140 Preventive Action Limit.

(*): NR 140 Enforcement Standard and NR 140 Preventive Action Limit based on total TMB concentrations.

DRO: Diesel Range Organics
GRO: Gasoline Range Organics
DCA: Dichloroethane
MTBE: Methyl t-butyl ether
TMB: Trimethylbenzene
NA: Not Analyzed
NS: No Standard
ES: Enforcement Standard
PAL: Preventive Action Limit

Checked by: _____
Approved by: _____

TABLE 4
Groundwater Elevation Data
Ness Service Center Site
Green Bay, Wisconsin

Well	Top-of-Casing Elevation	Top-of-Screen Elevation	Date	Top-of-Casing to Water (feet)	Groundwater Elevation
MW-1	590.67	588.17	10/24/2000	4.01	586.66
			11/30/2000	NA	NA
			5/8/2001	2.25	588.42
			8/31/2001	2.43	588.24
			12/10/2001	2.93	587.74
			3/6/2002	2.92	587.75
			4/15/2002	2.08	588.59
MW-10	590.56	583.06	10/24/2000	DRY	DRY
			11/30/2000	DRY	DRY
			5/8/2001	6.25	584.31
			8/31/2001	8.86	581.70
			12/10/2001	9.51	581.05
			3/6/2002	NA	NA
			4/15/2002	10.70	579.86
MW-11	590.94	585.54	10/24/2000	5.02	585.92
			11/30/2000	4.75	586.19
			5/8/2001	2.34	588.60
			8/31/2001	3.56	587.38
			12/10/2001	2.79	588.15
			3/6/2002	NA	NA
			4/15/2002	2.57	588.37
MW-12	592.04	584.54	10/24/2000	6.00	586.04
			11/30/2000	5.90	586.14
			5/8/2001	1.13	590.91
			8/31/2001	4.81	587.23
			12/10/2001	4.40	587.64
			3/6/2002	NA	NA
			4/15/2002	2.33	589.71
MW-13	591.12	583.72	10/24/2000	6.15	584.97
			11/30/2000	5.35	585.77
			5/8/2001	3.95	587.17
			8/31/2001	3.01	588.11
			12/10/2001	3.40	587.72
			3/6/2002	NA	NA
			4/15/2002	3.64	587.48
MW-14	591.06	583.96	10/24/2000	DRY	DRY
			11/30/2000	16.53	574.53
			5/8/2001	6.63	584.43
			8/31/2001	8.66	582.40
			12/10/2001	7.47	583.59
			3/6/2002	NA	NA
			4/15/2002	6.71	584.35

Notes: NA: Not analyzed

Checked by: _____

Approved by: _____

TABLE 5
Natural Attenuation Field Measurements
Ness Service Center Site
Green Bay, Wisconsin

Monitoring Well	Date	Dissolved Oxygen (mg/L)	Specific Conductance (µs/cm)	Oxidation Reduction Potential (mV)	Temp (°C)	pH
MW-1	12/10/01	1.30	NA	-117	13.6	7.34
	4/15/02	0.45	NA	NA	6.7	NA
MW-10	12/10/01	4.80	2,227	288	11.4	7.32
	4/15/02	1.57	NA	NA	7.4	NA
MW-11	12/10/01	2.35	1,341	-87.3	12.0	7.39
	4/15/02	0.21	NA	NA	6.0	NA
MW-12	12/10/01	3.60	1,597	262	12.1	7.27
	4/15/02	0.40	NA	NA	6.8	NA
MW-13	12/10/01	3.01	1,162	266	14.1	7.47
	4/15/02	0.52	NA	NA	8.0	NA
MW-14	12/10/01	7.62	1,798	285	13.0	7.08
	4/15/02	3.06	NA	NA	8.0	NA

Notes: NA: Not Analyzed

Checked by: _____
Approved by: _____

TABLE 6
Natural Attenuation Laboratory Analytical Results
Ness Service Center Site
Green Bay, Wisconsin

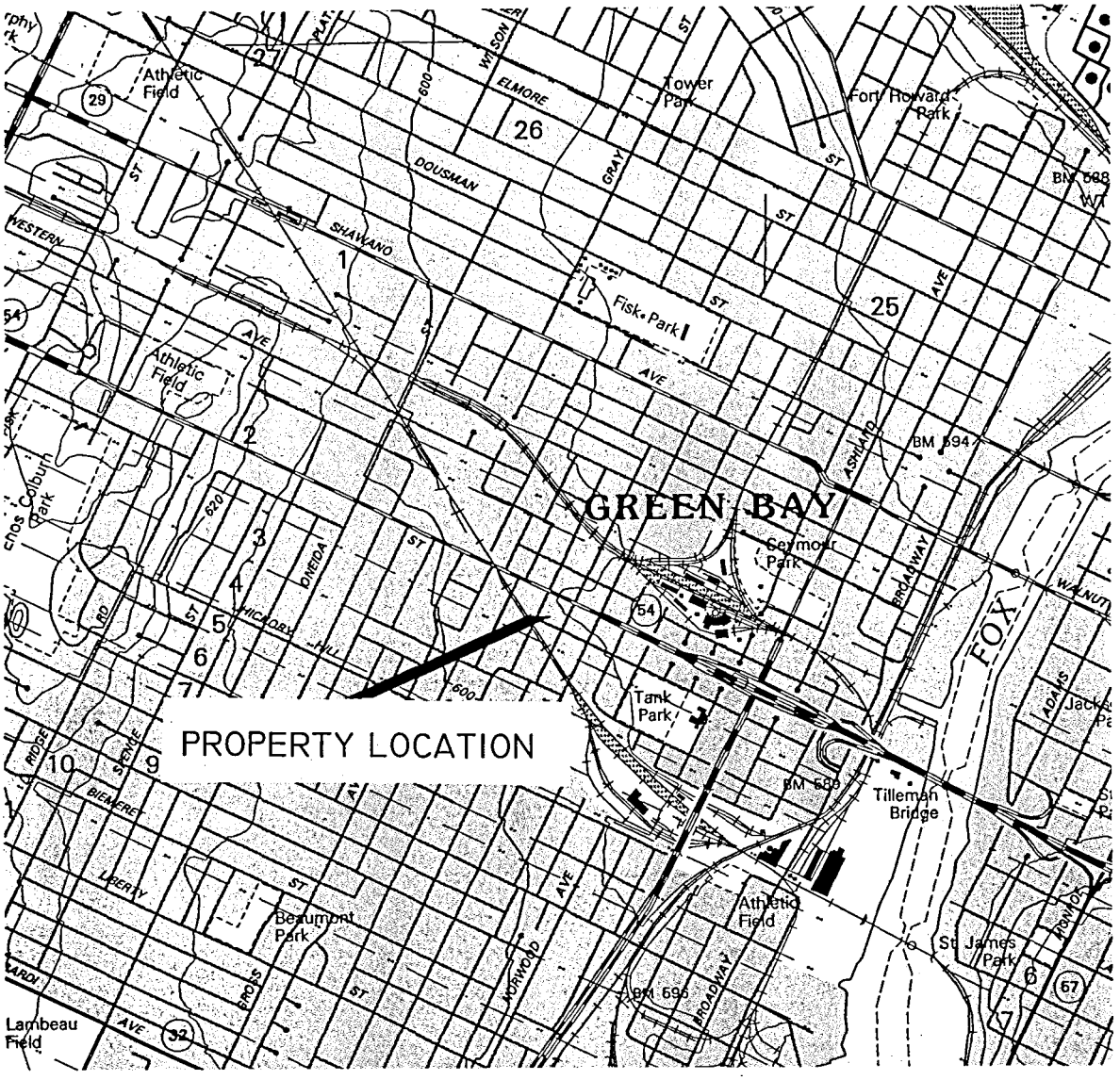
Monitoring Well	Date	Total Alkalinity	Dissolved Iron	Dissolved Manganese	Nitrate/ Nitrate	Sulfate
MW-1	12/10/01	386	2.20	0.08	0.30	36
MW-10	12/10/01	251	<0.14	0.07	0.09	460
MW-11	12/10/01	453	0.27	0.37	<0.02	24
MW-12	12/10/01	431	0.15	0.06	<0.02	130
MW-13	12/10/01	295	1.90	0.09	<0.02	290
MW-14	12/10/01	57	<0.14	0.25	<0.02	600

Notes: All results are reported in ppm, unless otherwise noted.

Checked by: _____

Approved by: _____

LIST OF FIGURES



(USGS 1982)
GREEN BAY WEST QUADRANGLE

SCALE
1:24000

1/2 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 10 FEET

N

LOCATION

ENVIROGEN
COST EFFECTIVE LEADERSHIP FOR A CLEANER ENVIRONMENT

790 Marvelle Lane
Green Bay, Wisconsin 54304

SITE LOCATION MAP	FIGURE NO. 1
NESS SERVICE CENTER SITE GREEN BAY, WISCONSIN	

DRAWING NO.	99.423.1
DRAWN BY:	RRT
	09/01/00
CHECKED BY:	
APPROVED BY:	
REVISIONS:	
ENGINEER	DATE
ENGINEER	DATE

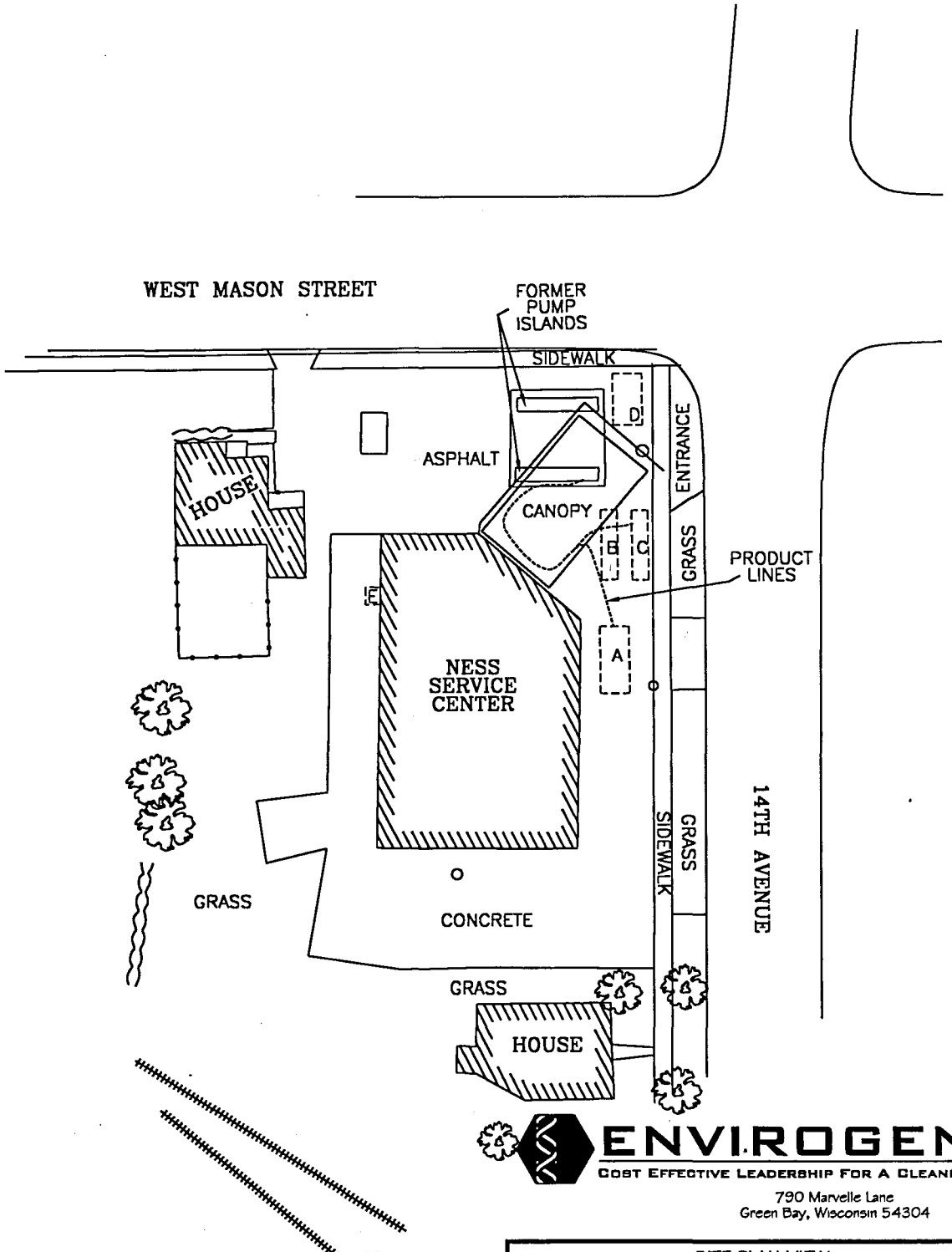
LEGEND

RAILROAD TRACKS
TREE
UNDERGROUND STORAGE TANK

TANK LEGEND

A 6,000-GALLON UNLEADED GASOLINE UST (FORMERLY CONTAINED DISEL FUEL)
B 8,000-GALLON LEADED GASOLINE UST
C 8,000-GALLON LEADED GASOLINE UST
D FORMER 4,000-GALLON UNLEADED GASOLINE UST
E FORMER 500-GALLON WASTE OIL UST

N



SCALE

0 10' 20' 30' 40' 50'

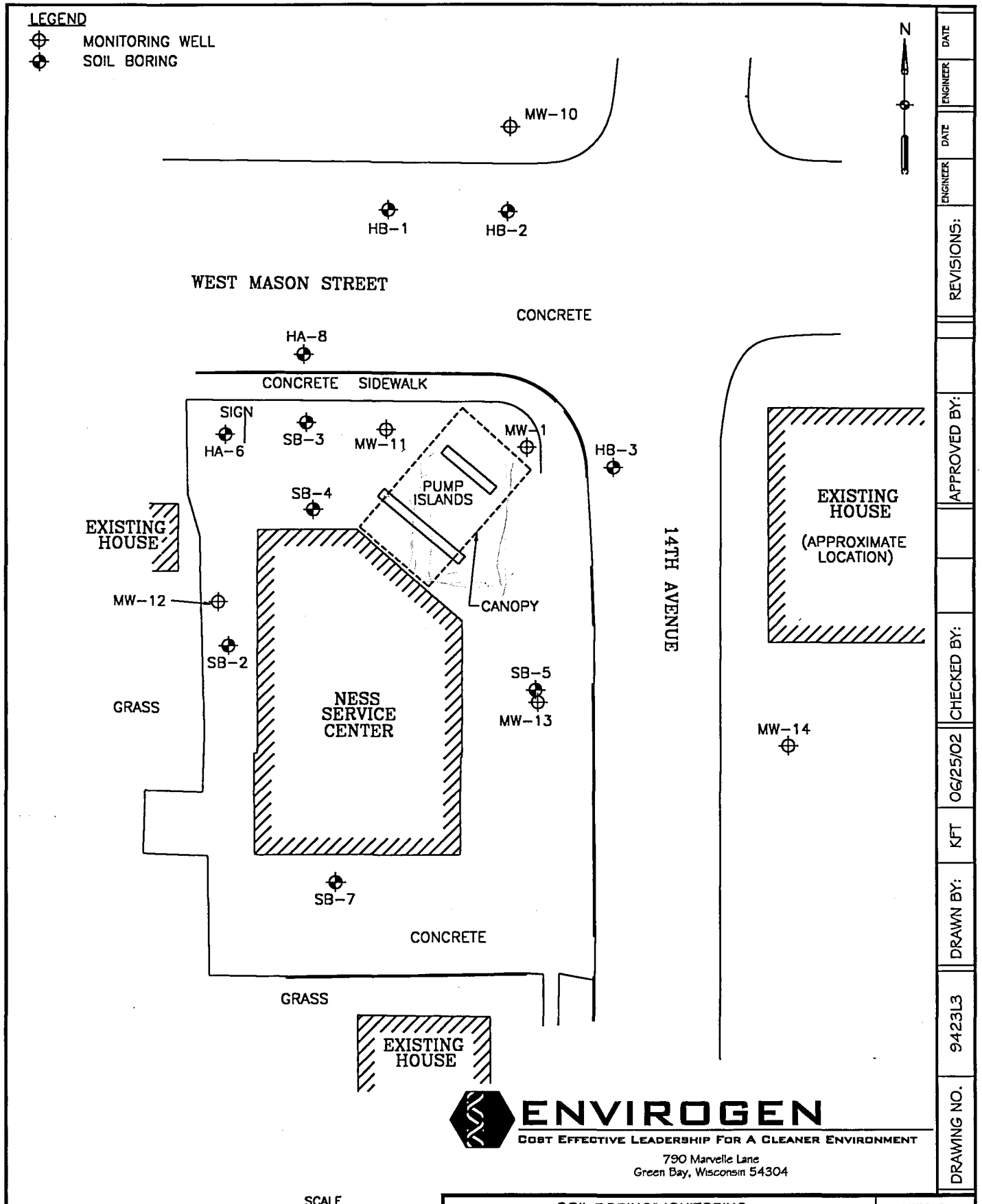
ENVIROGEN

COST EFFECTIVE LEADERSHIP FOR A CLEANER ENVIRONMENT

790 Marvelle Lane
Green Bay, Wisconsin 54304

SITE PLAN VIEW	FIGURE NO. 2
NESS SERVICE CENTER SITE GREEN BAY, WISCONSIN	

DRAWING NO.	9423L2
DRAWN BY:	KFT
	06/25/02
CHECKED BY:	
APPROVED BY:	
REVISIONS:	
ENGINEER	DATE
ENGINEER	DATE



ENVIROGEN

COST EFFECTIVE LEADERSHIP FOR A CLEANER ENVIRONMENT

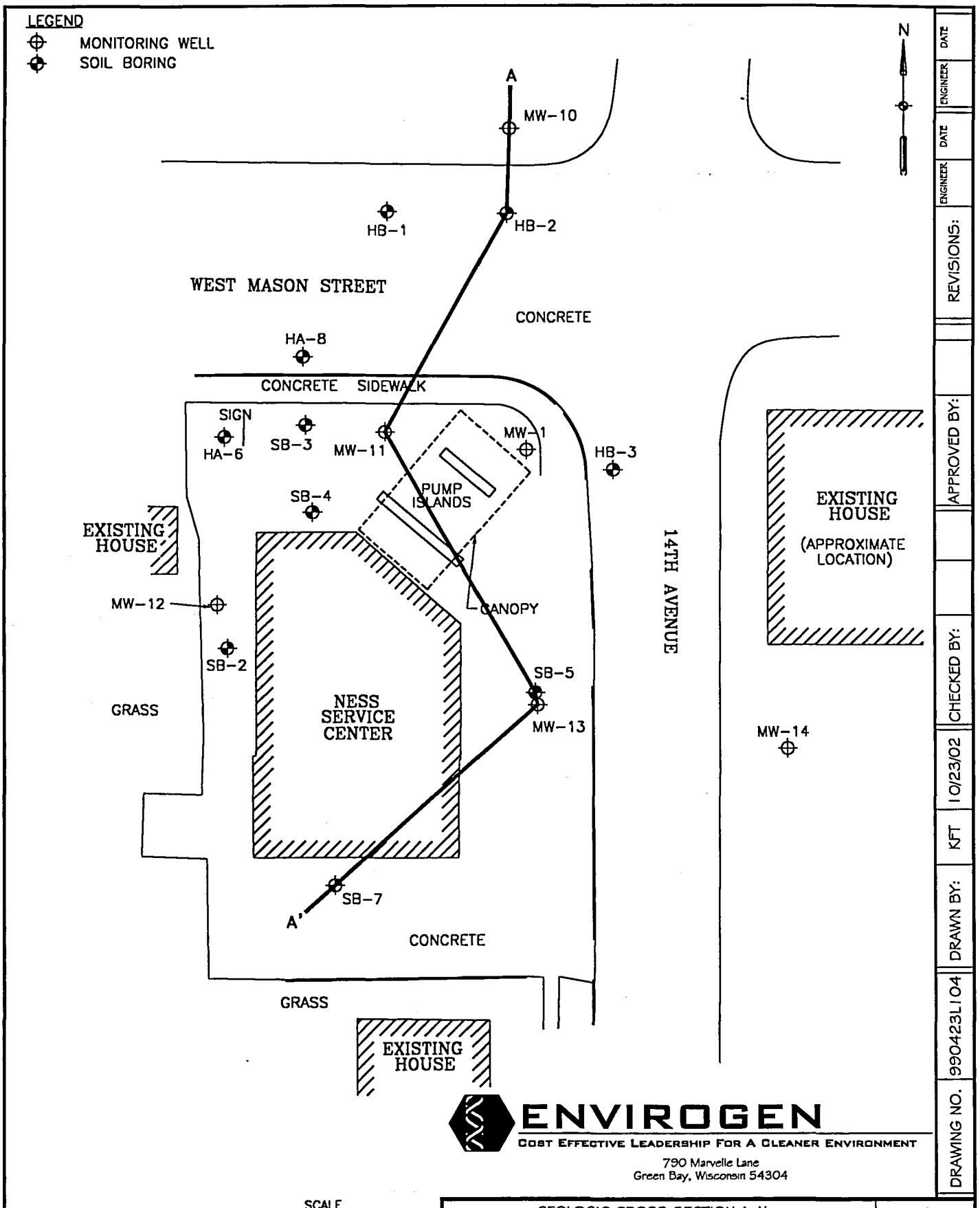
790 Marvelle Lane
Green Bay, Wisconsin 54304

SCALE

0 10' 20' 30' 40'

SOIL BORING/MONITORING WELL LOCATIONS NESS SERVICE STATION SITE GREEN BAY, WISCONSIN	FIGURE NO. 3

DRAWING NO.	94231.3
DRAWN BY:	KFT
	06/25/02
CHECKED BY:	
APPROVED BY:	
REVISIONS:	
ENGINEER	DATE
ENGINEER	DATE



ENVIROGEN

COST EFFECTIVE LEADERSHIP FOR A CLEANER ENVIRONMENT

790 Marvelle Lane
Green Bay, Wisconsin 54304

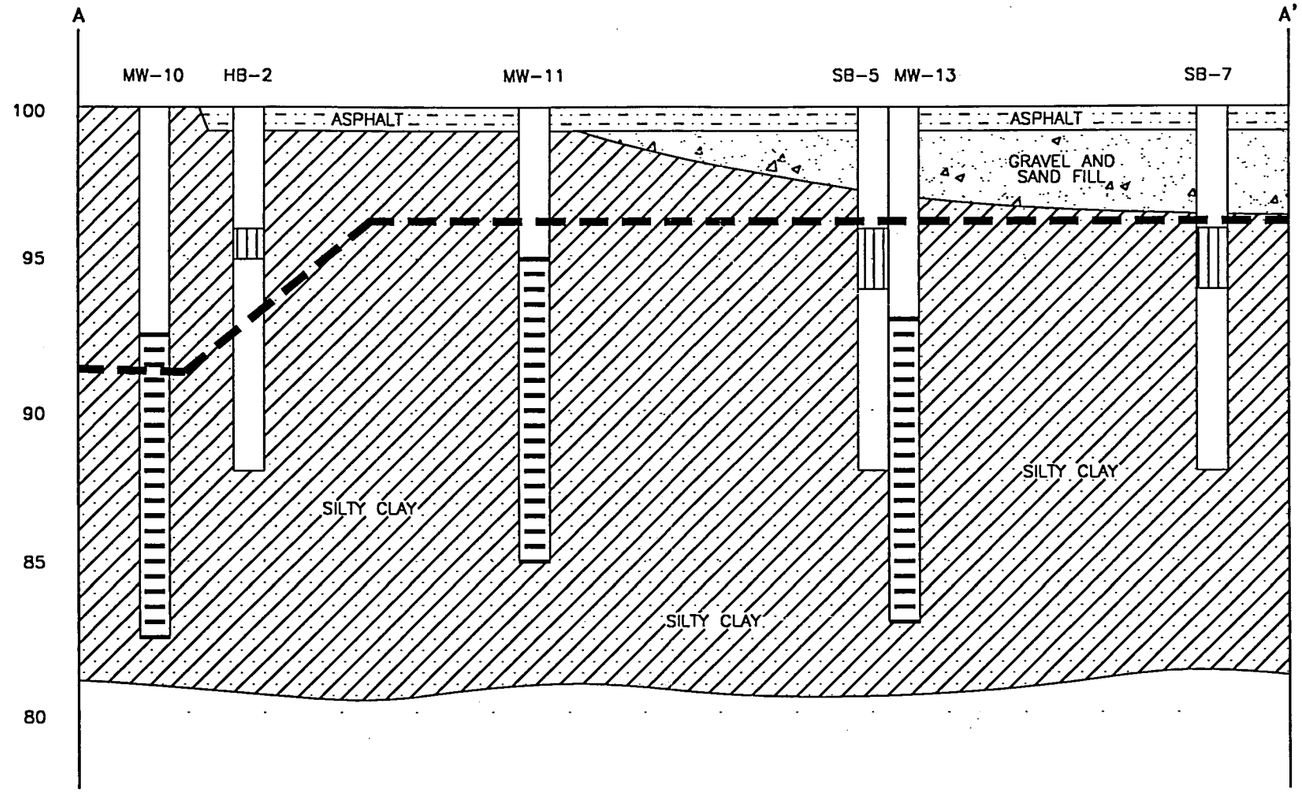
SCALE

0 10' 20' 30' 40'

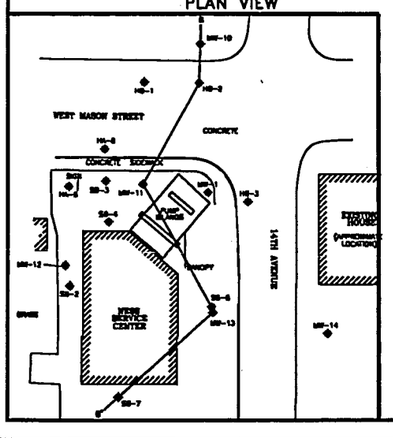
GEOLOGIC CROSS-SECTION A-A'
PLAN VIEW
NESS SERVICE STATION SITE
GREEN BAY, WISCONSIN

FIGURE NO. 4

DRAWING NO.	990423L104
DRAWN BY:	KFT
	10/23/02
CHECKED BY:	
APPROVED BY:	
REVISIONS:	
ENGINEER	DATE
ENGINEER	DATE



PLAN VIEW



LEGEND

SAMPLE INTERVAL

SCREENED INTERVAL

GROUNDWATER ELEVATION (12/10/01)

SCALE

HORIZONTAL: 1" = 40'

VERTICAL: 1" = 5'

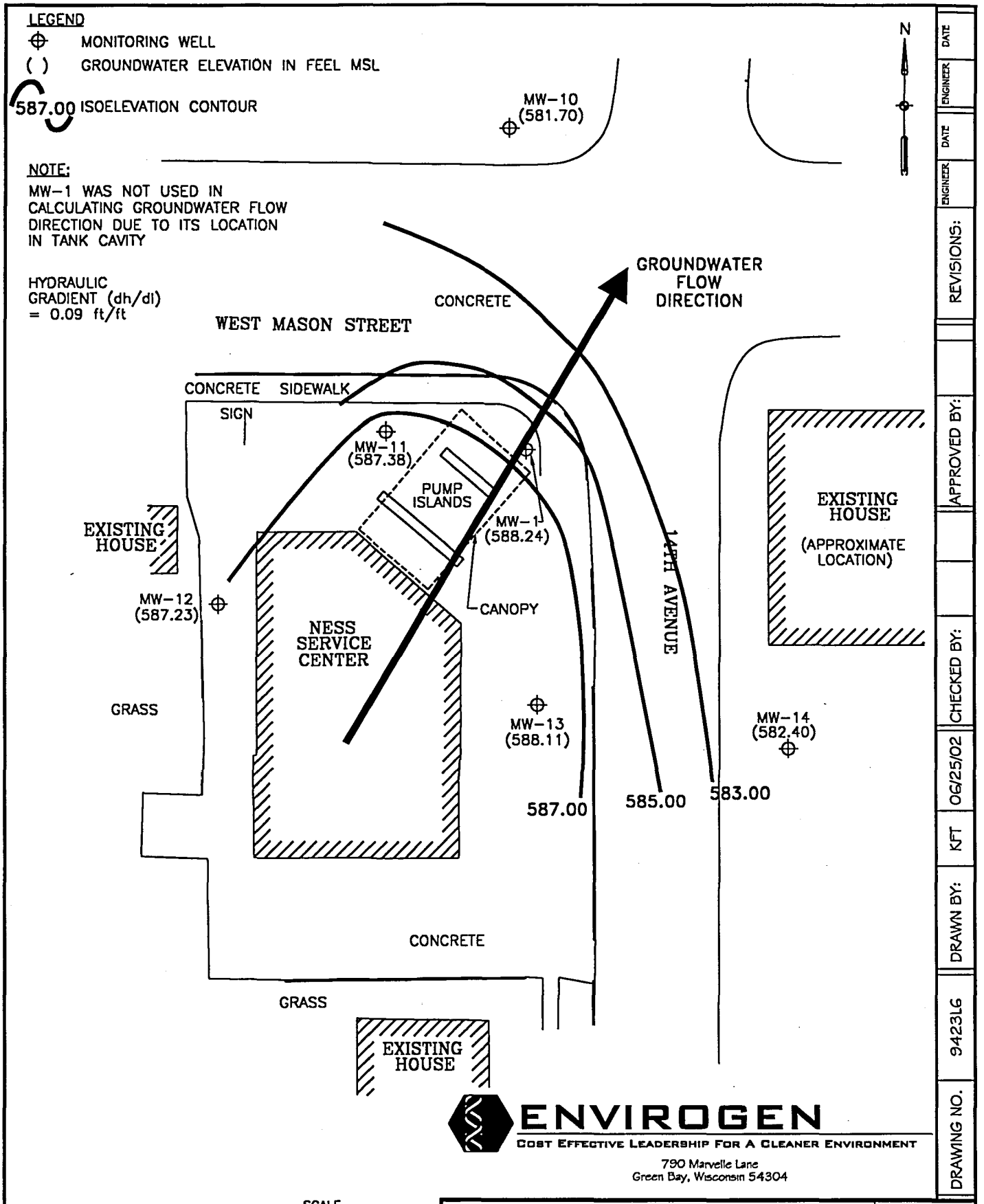
ENVIROGEN

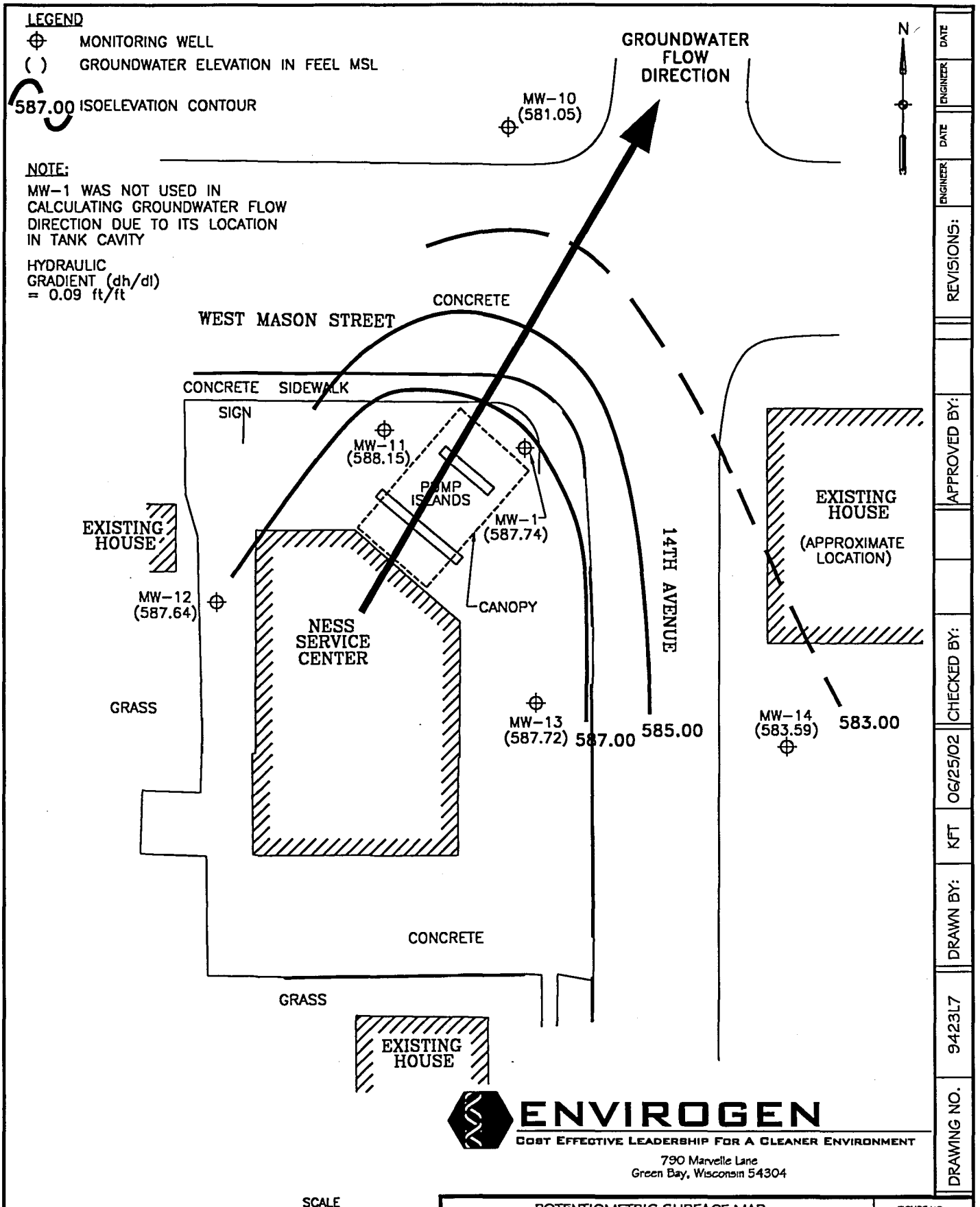
COST EFFECTIVE LEADERSHIP FOR A CLEANER ENVIRONMENT

790 Marvelle Lane
Green Bay, Wisconsin 54304

GEOLOGIC CROSS-SECTION A-A' NESS SERVICE STATION SITE GREEN BAY, WISCONSIN	FIGURE NO. 5

DRAWING NO.	990423L105
DRAWN BY:	KFT
	10/23/02
CHECKED BY:	
APPROVED BY:	
REVISIONS:	
ENGINEER	
DATE	
ENGINEER	
DATE	


LEGEND
MONITORING WELL
( ) GROUNDWATER ELEVATION IN FEEL MSL
587.00 ISOELEVATION CONTOUR
NOTE:
MW-1 WAS NOT USED IN CALCULATING GROUNDWATER FLOW DIRECTION DUE TO ITS LOCATION IN TANK CAVITY
HYDRAULIC GRADIENT (dh/dl) = 0.09 ft/ft
N
MW-10 (581.70)
GROUNDWATER FLOW DIRECTION
CONCRETE
WEST MASON STREET
CONCRETE SIDEWALK
SIGN
MW-11 (587.38)
PUMP ISLANDS
MW-1 (588.24)
EXISTING HOUSE
MW-12 (587.23)
CANOPY
NESS SERVICE CENTER
14TH AVENUE
EXISTING HOUSE (APPROXIMATE LOCATION)
GRASS
MW-13 (588.11)
MW-14 (582.40)
587.00
585.00
583.00
CONCRETE
GRASS
EXISTING HOUSE
ENVIROGEN
COST EFFECTIVE LEADERSHIP FOR A CLEANER ENVIRONMENT
790 Marvelle Lane
Green Bay, Wisconsin 54304
SCALE
0 10' 20' 30' 40'
POTENTIOMETRIC SURFACE MAP
(08/31/01)
NESS SERVICE STATION SITE
GREEN BAY, WISCONSIN
FIGURE NO.
6
DRAWING NO. 9423L6
DRAWN BY: KFT
CHECKED BY:
APPROVED BY:
REVISIONS:
ENGINEER
DATE
ENGINEER
DATE



ENVIROGEN

COST EFFECTIVE LEADERSHIP FOR A CLEANER ENVIRONMENT

790 Marvelle Lane
Green Bay, Wisconsin 54304

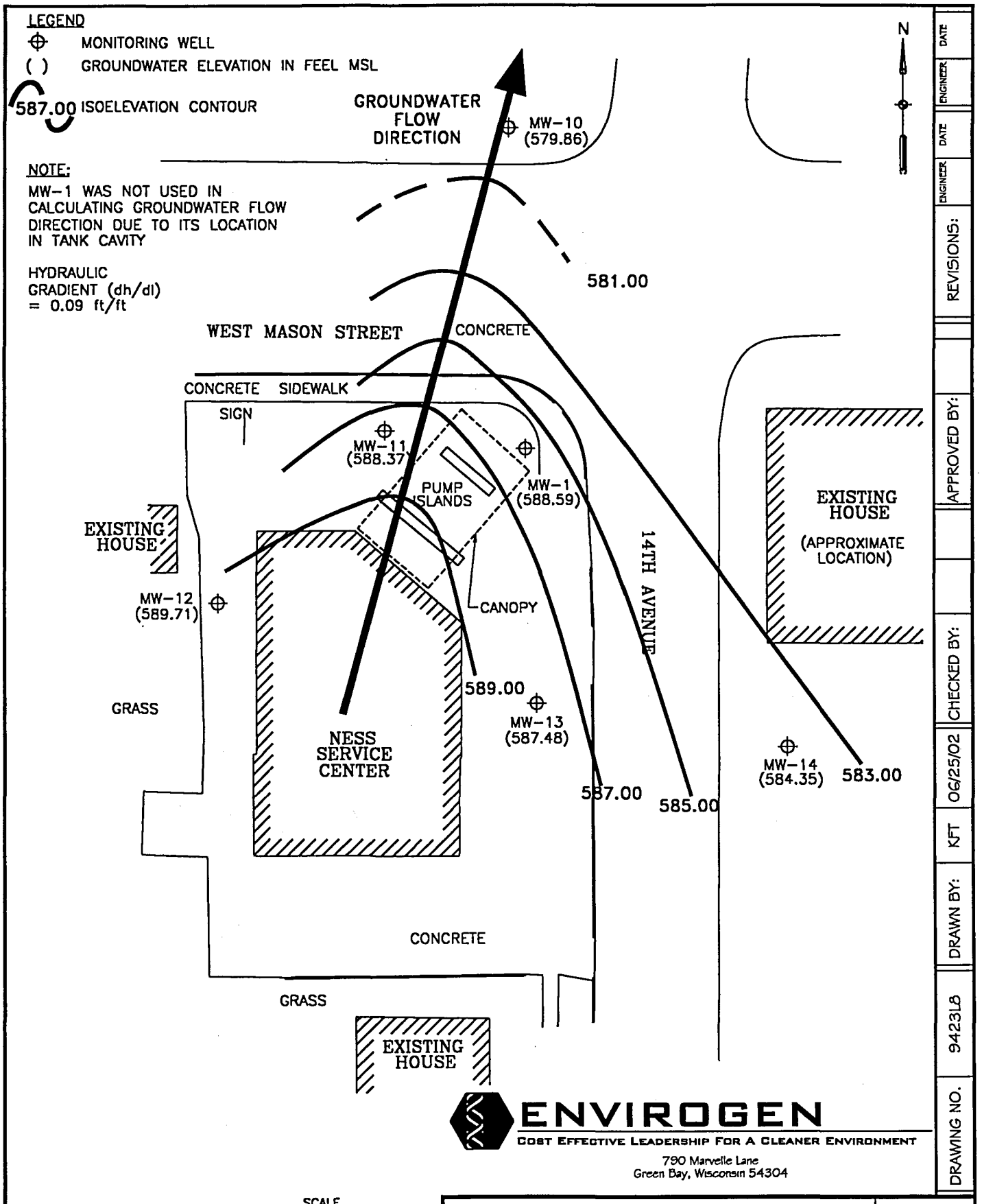
SCALE

0 10' 20' 30' 40'

POTENTIOMETRIC SURFACE MAP
(12/10/01)

NESS SERVICE STATION SITE
GREEN BAY, WISCONSIN

FIGURE NO.
7



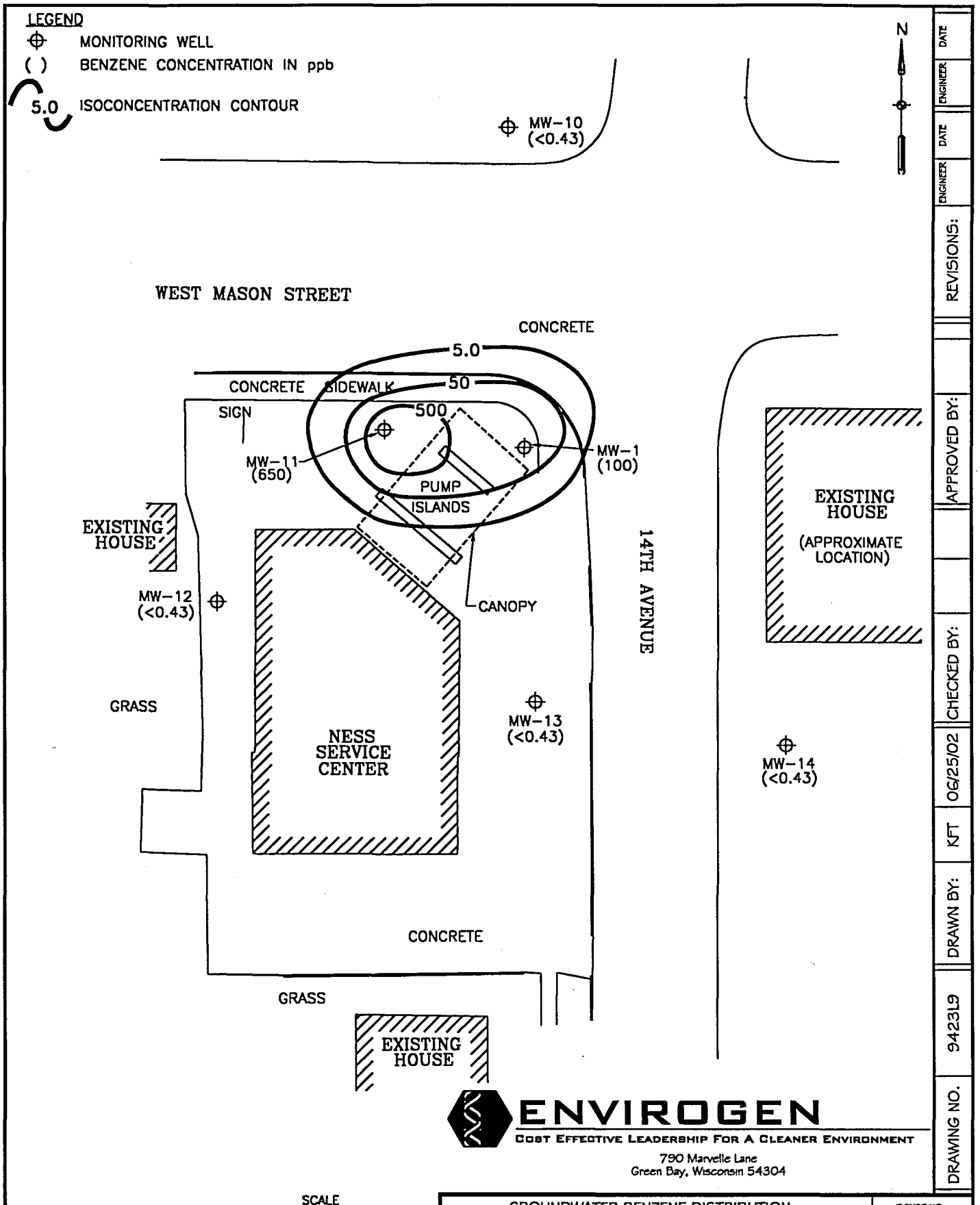
ENVIROGEN

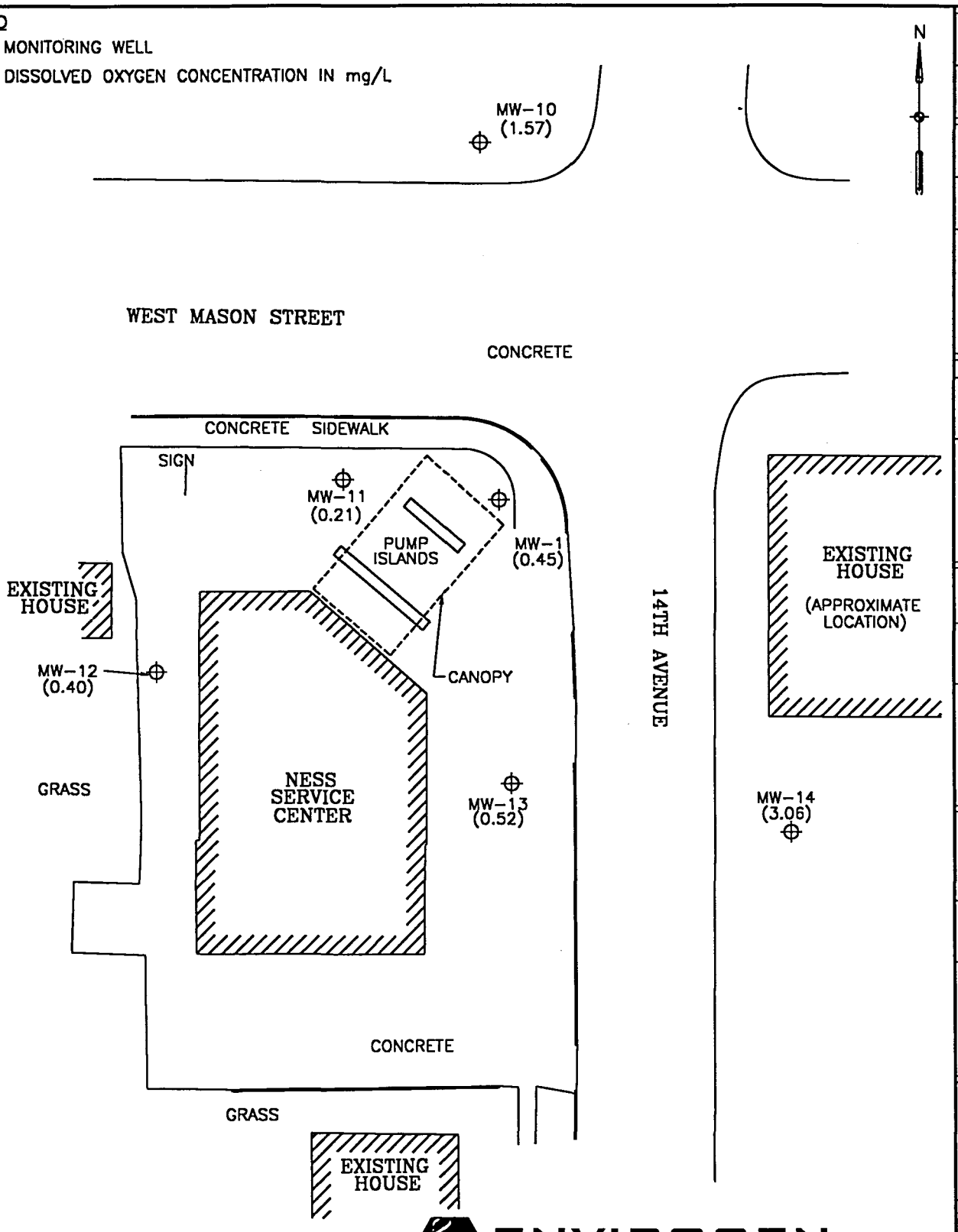
COST EFFECTIVE LEADERSHIP FOR A CLEANER ENVIRONMENT

790 Marvelle Lane
Green Bay, Wisconsin 54304

POTENTIOMETRIC SURFACE MAP (04/15/02)	FIGURE NO. 8
NESS SERVICE STATION SITE GREEN BAY, WISCONSIN	

DRAWING NO. 9423L8 | DRAWN BY: KFT | 06/25/02 | CHECKED BY: | APPROVED BY: | REVISIONS: | ENGINEER | DATE | ENGINEER | DATE


LEGEND
MONITORING WELL
( ) BENZENE CONCENTRATION IN ppb
5.0 ISOCONCENTRATION CONTOUR
N
MW-10 (<0.43)
WEST MASON STREET
CONCRETE
5.0
CONCRETE SIDEWALK
50
SIGN
500
MW-11 (650)
MW-1 (100)
PUMP ISLANDS
EXISTING HOUSE
MW-12 (<0.43)
CANOPY
14TH AVENUE
EXISTING HOUSE (APPROXIMATE LOCATION)
GRASS
NESS SERVICE CENTER
MW-13 (<0.43)
MW-14 (<0.43)
CONCRETE
GRASS
EXISTING HOUSE
ENVIROGEN
COST EFFECTIVE LEADERSHIP FOR A CLEANER ENVIRONMENT
790 Marvelle Lane
Green Bay, Wisconsin 54304
SCALE
0 10' 20' 30' 40'
GROUNDWATER BENZENE DISTRIBUTION
(04/15/02)
NESS SERVICE STATION SITE
GREEN BAY, WISCONSIN
FIGURE NO.
9
DRAWING NO.
942319
DRAWN BY:
KFT
06/25/02
CHECKED BY:
APPROVED BY:
REVISIONS:
ENGINEER
DATE
ENGINEER
DATE



ENVIROGEN

COST EFFECTIVE LEADERSHIP FOR A CLEANER ENVIRONMENT

790 Marvelle Lane
Green Bay, Wisconsin 54304

SCALE

0 10' 20' 30' 40'

DISSOLVED OXYGEN DISTRIBUTION
(04/15/02)

NESS SERVICE STATION SITE
GREEN BAY, WISCONSIN

FIGURE NO.
10

DRAWING NO.	DRAWN BY:	CHECKED BY:	APPROVED BY:	REVISIONS:	ENGINEER	DATE	ENGINEER	DATE
990423L10.	KFT	01/08/03						

APPENDIX A

Involved Parties

INVOLVED PARTIES LIST

Site Owner:	Mr. Greg Ness 975 West Mason Street Green Bay, Wisconsin 54303 (920) 497-7049
Environmental Consultant:	Envirogen, Inc. 790 Marvelle Lane Green Bay, Wisconsin 54304 (920) 497-8910
Governmental Agencies:	Wisconsin Department of Commerce 2129 Jackson Street Oshkosh, Wisconsin 54901 (920) 424-0046
Laboratory:	Great Lakes Analytical 140 East Ryan Road Oak Creek, Wisconsin 53154 (414) 570-9460 U.S. Analytical Lab 1090 Kennedy Avenue Kimberly, WI 54136 (920) 735-8295
Monitoring Well Construction:	Midwest Engineering Services, Inc. 1125 West Tuckaway Lane Menasha, WI 54952 (920) 735-1200
Monitoring Well Developer:	JAVCO Inc. 2204 Pamperin Road Green Bay, WI 54313 (920) 434-6393

Survey Activities:

Martenson & Eisle, Inc.
1919 American Court
Neenah, WI 54956
(920) 731-0381

UST Remover:

U.S. Petroleum Equipment Environmental Services
558 Carter Court
Kimberly, WI 54136
(920) 735-8287

APPENDIX B

WDNR Soil Boring Logs

ate of Wisconsin
epartment of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Page _____ of _____

acility/Project Name	License/Permit/Monitoring Number	Boring Number
Ness Property		MW-11

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Gary Last Name: Firm: MES	09/26/2000 (mm dd yyyy)	09/26/2000 (mm dd yyyy)	Drill

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
PN978	___		_____ Feet MSL	_____ Feet MSL	8.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐	Lat ° ' "	Local Grid Location
State Plane _____ N, _____ E S/C/N	Long ° ' "	☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W
NE 1/4 of NW 1/4 of Section 35, T 24 N, R 20 E/W		

Facility ID	County	County Code	Civil Town/City/ or Village
	Brown	05	Green Bay

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
-1	12"	NA	1	Moist, brown clayey silt Topsoil til 1"	ML	NA		668	NA	M	NA	NA	NA	NA
-2	18"		3	Moist, brown clayey silt wet at 4'	ML			863		W/M				
-3	12"		5	Moist brown sandy silt	SM			577		M/W				
-4	12"		7											
-5	24"		9	Wet, brown, sandy silt	CL			256		W				
-6	18"		11	Moist, brown, silty clay	CL			937		M				
-7	24"		13	Moist, brown silty clay w/ gravel	CL			442		M				
			15	Moist, brown silty clay	CL			66.4		M				
				EOB @ 15'										
				* Samples taken for laboratory analysis										

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

Signature _____ Firm Enviroscan

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

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Page _____ of _____

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Ness Property	_ _ _ _ _ _ _ _	MW-12

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Gary Last Name: Firm: MES	09/24/2000 (m m d d y y y y)	09/26/2000 (m m d d y y y y)	Drill

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
IY700	_ _ _		_____ Feet MSL	_____ Feet MSL	8.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E S/C/N
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W

NE 1/4 of NW 1/4 of Section 35, T 24 N, R 20 (E) W

Facility ID	County	County Code	Civil Town/City/ or Village
	Brown	05	Green Bay

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
		NR				NA			NA		NA	NA	NA	NA
-1	12"		3	Sandy silt fill	SP			<5		M				
-2	24"		5	Moist, brown sandy silt water @ 4 ft	SM			<5		M				
-3	18"		7	Moist, brown silty clay	CL			<5		M				
-4	24"		9	Moist, brown silty clay	CL			<5		M				
-5*	24"		11	Moist, brown, silty clay w/ mottles	CL			<5		M				
-6	24"		13	Moist, brown silty clay	CL			<5		M				
-7	24"		15	Moist, brown silty clay wet @ 15 ft,	CL			<5		M				
-8*	24"		17	Wet, brown silty clay	CL			<5		W				
				EOB @ 17'										
				* Indicates samples taken for laboratory analysis										

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

Signature _____ Firm Envirogen

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[redacted]te of Wisconsin
[redacted]partment of Natural Resources

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

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

Page _____ of _____

[redacted]cility/Project Name	License/Permit/Monitoring Number	Boring Number
Ness Property	_ _ _ _ _ _ _	MW-14

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Gary Last Name: [redacted]rm: MES	09/26/2000 (m m d d y y y y)	09/26/2000 (m m d d y y y y)	Drill

[redacted] Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
UKL96	_ _ _		_____ Feet MSL	_____ Feet MSL	8.0 inches

[redacted]cal Grid Origin ☐ (estimated: ☐) or Boring Location ☐
[redacted]te Plane _____ N, _____ E S/C/N
NE 1/4 of NW 1/4 of Section 35, T 24 N, R 20 E/W
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W

[redacted]cility ID	County	County Code	Civil Town/City/ or Village
	Brown	05	Green Bay

[redacted]mple Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
-1	12"	NA	1	Sandy gravel fill	SP	NA		<5	NA	M	NA	NA	NA	NA
-2	18"		3	Moist, brown, clayey silt	ML			<5		M				
-3	24"		5	Moist, brown clayey silt	ML			<5		M				
-4	24"		7	Moist, brown silty clay	CL			<5		M				
-5	24"		9	Moist, brown silty clay	CL			<5		M				
-6*	24"		11	Moist, brown, silty clay w/ mottles	CL			<5		M				
-7	24"		13	Wet, brown, silty clay	CL			<5		W				
-8*	24"		15	Wet, brown, silty clay	CL			<5		W				
			17	EOB @ 17'										

*Indicates samples where taken for laboratory analysis

[redacted]reby certify that the information on this form is true and correct to the best of my knowledge.
[redacted]ature _____ Firm Enviroen

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

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Page _____ of _____

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Ness Property	_____	MW-10

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Gary Last Name: Firm: MES	09/26/2000 (m m d d y y y y)	09/26/2000 (m m d d y y y y)	Drill

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
JY617	___		_____ Feet MSL	_____ Feet MSL	8.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E S/C/N
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W

NE 1/4 of NW 1/4 of Section 3 S., T 24 N., R 20 E/W

Facility ID	County	County Code	Civil Town/City/ or Village
	Brown	05	Green Bay

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
		NA	1	2" Top soil		NA			NA		NA	NA	NA	NA
-1	12"		3	Moist brown clayey silt	ML			3.5		M				
-2	24"		5	Moist, brown clayey silt	ML			1.5		M				
-3	2"		7	Moist brown clayey silt (seem to be hitting rocks)	ML			5.1		M				
-4	2"		9	Moist, brown clayey silt (Rock causing little recovery)	ML			4.0		M				
-5	18"		11	Moist brown, silty clay (rock @ 10 ft.)	CL			1.0		M				
-6*	24"		13	Wet, brown silty clay	CL			4.0		W				
-7	24"		15	Wet, brown silty clay	CL			1.5		W				
-8*	24"		17	Wet, brown, silty clay (rocks)	CL			1.0		W				
				EOB @ 17'										
				* Samples taken for laboratory analysis										

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

Signature _____ Firm Envirogen

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Page _____ of _____

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Ness Property		MW-13

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Gary Last Name: Firm: MES	09/26/2000 (m m d d y y y y)	09/26/2000 (m m d d y y y y)	Drill

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
PN979	___		_____ Feet MSL	_____ Feet MSL	8.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E S/C/N
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W

NE 1/4 of NW 1/4 of Section 3 S, T 24 N, R 20 E/W

Facility ID	County	County Code	Civil Town/City/ or Village
	Brown	05	Green Bay

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
		NA	1	gravelly sand fill		NA			NA		NA	NA	NA	NA
1	6"		3		SP			79.4		M				
2	24"		5	Moist, brown, clayey silt	ML			14.8		M				
3	18"		7	Wet, brown, clayey silt	ML			7.1		W				
4	24"		9	Moist, red clayey silt w/ sand	ML			4.6		M				
5	24"		11	Moist, brown silty clay	CL			4.6		M				
6	24"		13	Moist brown silty clay w/ mottles	CL			6.1		M				
7	24"		15	Moist, brown silty clay	CL			4.6		M				
8	24"		17	Moist dark brown, silty clay wet @ 16'	CL			4.0		M/W				
				EOB @ 17'										
				* Samples taken for laboratory analysis										

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

Signature _____ Firm Environ

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APPENDIX C

Soil Sample Laboratory Analytical Reports

GREAT LAKES ANALYTICAL
140 East Ryan Road
Oak Creek, Wisconsin 53154
Email: info@glalabs.com
(414) 570-9460 FAX (414) 570-9461

Envirogen - Ashwabenon	Project:	990423	Sampled: 9/26/00
790 Marvelle Lne	Project Number:	none	Received: 9/28/00
Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 10/9/00 16:39

Diesel Range Organics (DRO) by WDNR DRO
Great Lakes Analytical--Oak Creek

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
MW-10 11-13'			**W009217-01**				**Soil (WI)**	**G19**
Diesel Range Organics (DRO)	0100001	10/2/00	10/2/00	WDNR DRO	5.73	ND	mg/kg dry	
MW-10 15-17'			**W009217-02**				**Soil (WI)**	**G19**
Diesel Range Organics (DRO)	0100001	10/2/00	10/4/00	WDNR DRO	5.90	ND	mg/kg dry	
MW-11 7-9'			**W009217-03**				**Soil (WI)**	**G19**
Diesel Range Organics (DRO)	0100001	10/2/00	10/4/00	WDNR DRO	5.73	**8.59**	mg/kg dry	T10,T12,T13, T15,T6,T8
MW-11 13-15'			**W009217-04**				**Soil (WI)**	**G19**
Diesel Range Organics (DRO)	0100001	10/2/00	10/4/00	WDNR DRO	5.93	ND	mg/kg dry	
MW-13 5-7'			**W009217-05**				**Soil (WI)**	**G19**
Diesel Range Organics (DRO)	0100001	10/2/00	10/5/00	WDNR DRO	5.85	**6.72**	mg/kg dry	T10,T11, T15,T6,T8
MW-13 15-17'			**W009217-06**				**Soil (WI)**	**G19**
Diesel Range Organics (DRO)	0100001	10/2/00	10/4/00	WDNR DRO	5.84	ND	mg/kg dry	
MW-14 11-13'			**W009217-07**				**Soil (WI)**	**G19**
Diesel Range Organics (DRO)	0100001	10/2/00	10/4/00	WDNR DRO	5.77	ND	mg/kg dry	
MW-14 15-17'			**W009217-08**				**Soil (WI)**	**G19**
Diesel Range Organics (DRO)	0100001	10/2/00	10/2/00	WDNR DRO	5.79	ND	mg/kg dry	
MW-12 9-11'			**W009217-09**				**Soil (WI)**	**G19**
Diesel Range Organics (DRO)	0100001	10/2/00	10/4/00	WDNR DRO	5.65	ND	mg/kg dry	
MW-12 15-17'			**W009217-10**				**Soil (WI)**	**G19**
Diesel Range Organics (DRO)	0100001	10/2/00	10/2/00	WDNR DRO	5.90	ND	mg/kg dry	

GREAT LAKES ANALYTICAL
140 East Ryan Road
Oak Creek, Wisconsin 53154
Email: info@glalabs.com
(414) 570-9460 FAX (414) 570-9461

Envirogen - Ashwabenon	Project:	990423	Sampled: 9/26/00
790 Marvelle Lne	Project Number:	none	Received: 9/28/00
Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 10/9/00 16:39

Gasoline Range Organics (GRO) by WDNR GRO
Great Lakes Analytical--Oak Creek

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
MW-10 11-13'			**W009217-01**				**Soil (WI)**	
Gasoline Range Organics (GRO)	0100002	10/2/00	10/2/00	WDNR GRO	5.73	ND	mg/kg dry	
MW-10 15-17'			**W009217-02**				**Soil (WI)**	
Gasoline Range Organics (GRO)	0100002	10/2/00	10/2/00	WDNR GRO	5.90	ND	mg/kg dry	
MW-11 7-9'			**W009217-03**				**Soil (WI)**	**G12**
Gasoline Range Organics (GRO)	0100002	10/2/00	10/3/00	WDNR GRO	11.5	**68.4**	mg/kg dry	T1,T4
MW-11 13-15'			**W009217-04**				**Soil (WI)**	
Gasoline Range Organics (GRO)	0100002	10/2/00	10/3/00	WDNR GRO	5.93	ND	mg/kg dry	
MW-13 5-7'			**W009217-05**				**Soil (WI)**	
Gasoline Range Organics (GRO)	0100002	10/2/00	10/3/00	WDNR GRO	5.85	**9.07**	mg/kg dry	T1,T4
MW-13 15-17'			**W009217-06**				**Soil (WI)**	
Gasoline Range Organics (GRO)	0100002	10/2/00	10/3/00	WDNR GRO	5.84	ND	mg/kg dry	
MW-14 11-13'			**W009217-07**				**Soil (WI)**	
Gasoline Range Organics (GRO)	0100002	10/2/00	10/3/00	WDNR GRO	5.77	ND	mg/kg dry	
MW-14 15-17'			**W009217-08**				**Soil (WI)**	
Gasoline Range Organics (GRO)	0100002	10/2/00	10/3/00	WDNR GRO	5.79	ND	mg/kg dry	
MW-12 9-11'			**W009217-09**				**Soil (WI)**	
Gasoline Range Organics (GRO)	0100002	10/2/00	10/3/00	WDNR GRO	5.65	ND	mg/kg dry	
MW-12 15-17'			**W009217-10**				**Soil (WI)**	
Gasoline Range Organics (GRO)	0100002	10/2/00	10/3/00	WDNR GRO	5.90	ND	mg/kg dry	

Great Lakes Analytical--Oak Creek

**Refer to end of report for text of notes and definitions.*

Andrea Stathas, Project Manager

GREAT LAKES ANALYTICAL
140 East Ryan Road
Oak Creek, Wisconsin 53154
Email: info@glalabs.com
(414) 570-9460 FAX (414) 570-9461

Envirogen - Ashwabenon	Project:	990423	Sampled: 9/26/00
790 Marvelle Lne	Project Number:	none	Received: 9/28/00
Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 10/9/00 16:39

Petroleum Volatile Organic Compounds (PVOC) by Method 8021B
Great Lakes Analytical--Oak Creek

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-10 11-13'			**W009217-01**				**Soil (WI)**	
Benzene	0100002	10/2/00	10/2/00		25.0	ND	ug/kg dry	
Ethylbenzene	"	"	"		25.0	ND	"	
Methyl tert-butyl ether	"	"	"		25.0	ND	"	
Toluene	"	"	"		25.0	ND	"	
1,2,4-Trimethylbenzene	"	"	"		25.0	ND	"	
1,3,5-Trimethylbenzene	"	"	"		25.0	ND	"	
Total Xylenes	"	"	"		25.0	ND	"	
Surrogate: 4-BFB	"	"	"	*80.0-120*		*87.0*	%	
MW-10 15-17'			**W009217-02**				**Soil (WI)**	
Benzene	0100002	10/2/00	10/2/00		25.0	ND	ug/kg dry	
Ethylbenzene	"	"	"		25.0	ND	"	
Methyl tert-butyl ether	"	"	"		25.0	ND	"	
Toluene	"	"	"		25.0	ND	"	
1,2,4-Trimethylbenzene	"	"	"		25.0	ND	"	
1,3,5-Trimethylbenzene	"	"	"		25.0	ND	"	
Total Xylenes	"	"	"		25.0	ND	"	
Surrogate: 4-BFB	"	"	"	*80.0-120*		*96.6*	%	
MW-11 7-9'			**W009217-03**				**Soil (WI)**	**G12**
Benzene	0100002	10/2/00	10/3/00		50.0	**107**	ug/kg dry	
Ethylbenzene	"	"	"		50.0	**1290**	"	
Methyl tert-butyl ether	"	"	"		50.0	**91.9**	"	
Toluene	"	"	"		50.0	**1340**	"	
1,2,4-Trimethylbenzene	"	"	"		50.0	**3590**	"	
1,3,5-Trimethylbenzene	"	"	"		50.0	**1210**	"	
Total Xylenes	"	"	"		50.0	**5190**	"	
Surrogate: 4-BFB	"	"	"	*80.0-120*		*114*	%	
MW-11 13-15'			**W009217-04**				**Soil (WI)**	
Benzene	0100002	10/2/00	10/3/00		25.0	ND	ug/kg dry	
Ethylbenzene	"	"	"		25.0	ND	"	
Methyl tert-butyl ether	"	"	"		25.0	ND	"	
Toluene	"	"	"		25.0	ND	"	
1,2,4-Trimethylbenzene	"	"	"		25.0	ND	"	
1,3,5-Trimethylbenzene	"	"	"		25.0	ND	"	
Total Xylenes	"	"	"		25.0	ND	"	
Surrogate: 4-BFB	"	"	"	*80.0-120*		*94.5*	%	

Great Lakes Analytical--Oak Creek

**Refer to end of report for text of notes and definitions.*

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Envirogen - Ashwabenon	Project:	990423	Sampled: 9/26/00
790 Marvelle Lne	Project Number:	none	Received: 9/28/00
Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 10/9/00 16:39

Petroleum Volatile Organic Compounds (PVOC) by Method 8021B
Great Lakes Analytical--Oak Creek

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-13 5-7'			**W009217-05**				**Soil (WI)**	
Benzene	0100002	10/2/00	10/3/00		25.0	ND	ug/kg dry	
Ethylbenzene	"	"	"		25.0	**170**	"	
Methyl tert-butyl ether	"	"	"		25.0	ND	"	
Toluene	"	"	"		25.0	**118**	"	
1,2,4-Trimethylbenzene	"	"	"		25.0	**634**	"	
1,3,5-Trimethylbenzene	"	"	"		25.0	**199**	"	
Total Xylenes	"	"	"		25.0	**694**	"	
Surrogate: 4-BFB	"	"	"	*80.0-120*		*96.5*	%	
MW-13 15-17'			**W009217-06**				**Soil (WI)**	
Benzene	0100002	10/2/00	10/3/00		25.0	ND	ug/kg dry	
Ethylbenzene	"	"	"		25.0	ND	"	
Methyl tert-butyl ether	"	"	"		25.0	ND	"	
Toluene	"	"	"		25.0	ND	"	
1,2,4-Trimethylbenzene	"	"	"		25.0	ND	"	
1,3,5-Trimethylbenzene	"	"	"		25.0	ND	"	
Total Xylenes	"	"	"		25.0	ND	"	
Surrogate: 4-BFB	"	"	"	*80.0-120*		*91.8*	%	
MW-14 11-13'			**W009217-07**				**Soil (WI)**	
Benzene	0100002	10/2/00	10/3/00		25.0	ND	ug/kg dry	
Ethylbenzene	"	"	"		25.0	ND	"	
Methyl tert-butyl ether	"	"	"		25.0	ND	"	
Toluene	"	"	"		25.0	ND	"	
1,2,4-Trimethylbenzene	"	"	"		25.0	ND	"	
1,3,5-Trimethylbenzene	"	"	"		25.0	ND	"	
Total Xylenes	"	"	"		25.0	ND	"	
Surrogate: 4-BFB	"	"	"	*80.0-120*		*93.0*	%	
MW-14 15-17'			**W009217-08**				**Soil (WI)**	
Benzene	0100002	10/2/00	10/3/00		25.0	ND	ug/kg dry	
Ethylbenzene	"	"	"		25.0	ND	"	
Methyl tert-butyl ether	"	"	"		25.0	ND	"	
Toluene	"	"	"		25.0	ND	"	
1,2,4-Trimethylbenzene	"	"	"		25.0	ND	"	
1,3,5-Trimethylbenzene	"	"	"		25.0	ND	"	
Total Xylenes	"	"	"		25.0	ND	"	
Surrogate: 4-BFB	"	"	"	*80.0-120*		*94.6*	%	

Great Lakes Analytical--Oak Creek

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790 Marvelle Lne	Project Number:	none	Received: 9/28/00
Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 10/9/00 16:39

Petroleum Volatile Organic Compounds (PVOC) by Method 8021B
Great Lakes Analytical--Oak Creek

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-12 9-11'			**W009217-09**				**Soil (WI)**	
Benzene	0100002	10/2/00	10/3/00		25.0	ND	ug/kg dry	
Ethylbenzene	"	"	"		25.0	ND	"	
Methyl tert-butyl ether	"	"	"		25.0	ND	"	
Toluene	"	"	"		25.0	ND	"	
1,2,4-Trimethylbenzene	"	"	"		25.0	**61.2**	"	
1,3,5-Trimethylbenzene	"	"	"		25.0	ND	"	
Total Xylenes	"	"	"		25.0	**80.1**	"	
Surrogate: 4-BFB	"	"	"	*80.0-120*		*98.1*	%	
MW-12 15-17'			**W009217-10**				**Soil (WI)**	
Benzene	0100002	10/2/00	10/3/00		25.0	ND	ug/kg dry	
Ethylbenzene	"	"	"		25.0	ND	"	
Methyl tert-butyl ether	"	"	"		25.0	ND	"	
Toluene	"	"	"		25.0	ND	"	
1,2,4-Trimethylbenzene	"	"	"		25.0	ND	"	
1,3,5-Trimethylbenzene	"	"	"		25.0	**34.7**	"	
Total Xylenes	"	"	"		25.0	**25.1**	"	
Surrogate: 4-BFB	"	"	"	*80.0-120*		*101*	%	

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790 Marvelle Lne	Project Number:	none	Received: 9/28/00
Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 10/9/00 16:39

Total Metals by EPA 6000/7000 Series Methods
Great Lakes Analytical

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
MW-10 11-13'			W009217-01				Soil (WI)	1
Lead	0100096	10/5/00	10/5/00	EPA 6010B	1.16	**5.19**	mg/kg dry	
MW-10 15-17'			W009217-02				Soil (WI)	1
Lead	0100096	10/5/00	10/5/00	EPA 6010B	1.15	**5.01**	mg/kg dry	
MW-11 7-9'			W009217-03				Soil (WI)	1
Lead	0100096	10/5/00	10/5/00	EPA 6010B	1.18	**2.46**	mg/kg dry	
MW-11 13-15'			W009217-04				Soil (WI)	1
Lead	0100096	10/5/00	10/5/00	EPA 6010B	1.18	**4.40**	mg/kg dry	
MW-13 5-7'			W009217-05				Soil (WI)	1
Lead	0100096	10/5/00	10/5/00	EPA 6010B	1.40	**6.11**	mg/kg dry	
MW-13 15-17'			W009217-06				Soil (WI)	1
Lead	0100096	10/5/00	10/5/00	EPA 6010B	1.17	**4.95**	mg/kg dry	
MW-14 11-13'			W009217-07				Soil (WI)	1
Lead	0100096	10/5/00	10/5/00	EPA 6010B	1.15	**4.10**	mg/kg dry	
MW-14 15-17'			W009217-08				Soil (WI)	1
Lead	0100096	10/5/00	10/5/00	EPA 6010B	1.18	**3.18**	mg/kg dry	
MW-12 9-11'			W009217-09				Soil (WI)	1
Cadmium	0100096	10/5/00	10/5/00	EPA 6010B	0.565	ND	mg/kg dry	
Lead	"	"	"	EPA 6010B	1.13	**5.51**	"	
MW-12 15-17'			W009217-10				Soil (WI)	1
Cadmium	0100096	10/5/00	10/5/00	EPA 6010B	0.621	ND	mg/kg dry	
Lead	"	"	"	EPA 6010B	1.24	**4.37**	"	

Great Lakes Analytical--Oak Creek

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790 Marvelle Lne	Project Number:	none	Received: 9/28/00
Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 10/9/00 16:39

Polychlorinated Biphenyls by EPA Method 8082
Great Lakes Analytical

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-12 9-11'			**W009217-09**				**Soil (WI)**	**1**
PCB-1016	0100027	10/3/00	10/3/00		25.0	ND	ug/kg	
PCB-1221	"	"	"		25.0	ND	"	
PCB-1232	"	"	"		25.0	ND	"	
PCB-1242	"	"	"		25.0	ND	"	
PCB-1248	"	"	"		25.0	ND	"	
PCB-1254	"	"	"		25.0	ND	"	
PCB-1260	"	"	"		25.0	ND	"	
Surrogate: Tetrachloro-meta-xylene	"	"	"	*22.2-88.0*		*62.9*	%	
Surrogate: Decachlorobiphenyl	"	"	"	*16.2-107*		*64.7*	"	
MW-12 15-17'			**W009217-10**				**Soil (WI)**	**1**
PCB-1016	0100027	10/3/00	10/3/00		25.0	ND	ug/kg	
PCB-1221	"	"	"		25.0	ND	"	
PCB-1232	"	"	"		25.0	ND	"	
PCB-1242	"	"	"		25.0	ND	"	
PCB-1248	"	"	"		25.0	ND	"	
PCB-1254	"	"	"		25.0	ND	"	
PCB-1260	"	"	"		25.0	ND	"	
Surrogate: Tetrachloro-meta-xylene	"	"	"	*22.2-88.0*		*65.5*	%	
Surrogate: Decachlorobiphenyl	"	"	"	*16.2-107*		*70.9*	"	

Great Lakes Analytical--Oak Creek

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790 Marvelle Lne	Project Number:	none	Received: 9/28/00
Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 10/9/00 16:39

Polynuclear Aromatic Compounds by EPA Method 8310
Great Lakes Analytical

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-10 11-13'			**W009217-01**				**Soil (WI)**	**1**
Acenaphthene	0100061	10/4/00	10/5/00		116	ND	ug/kg dry	
Acenaphthylene	"	"	"		231	ND	"	
Anthracene	"	"	"		0.578	ND	"	
Benz (a) anthracene	"	"	"		0.578	ND	"	
Benzo (a) pyrene	"	"	"		1.16	ND	"	
Benzo (b) fluoranthene	"	"	"		1.16	ND	"	
Benzo (ghi) perylene	"	"	"		2.31	ND	"	
Benzo (k) fluoranthene	"	"	"		0.578	ND	"	
Chrysene	"	"	"		2.31	ND	"	
Dibenz (a,h) anthracene	"	"	"		1.16	ND	"	
Fluoranthene	"	"	"		57.8	ND	"	
Fluorene	"	"	"		5.78	ND	"	
Indeno (1,2,3-cd) pyrene	"	"	"		23.1	ND	"	
1-Methylnaphthalene	"	"	"		57.8	ND	"	
2-Methylnaphthalene	"	"	"		57.8	ND	"	
Naphthalene	"	"	"		5.78	ND	"	
Phenanthrene	"	"	"		5.78	ND	"	
Pyrene	"	"	"		23.1	ND	"	
Surrogate: Carbazole	"	"	"	*37.1-163*		*104*	%	
MW-10 15-17'			**W009217-02**				**Soil (WI)**	**1**
Acenaphthene	0100061	10/4/00	10/5/00		115	ND	ug/kg dry	
Acenaphthylene	"	"	"		231	ND	"	
Anthracene	"	"	"		0.577	ND	"	
Benz (a) anthracene	"	"	"		0.577	ND	"	
Benzo (a) pyrene	"	"	"		1.15	ND	"	
Benzo (b) fluoranthene	"	"	"		1.15	ND	"	
Benzo (ghi) perylene	"	"	"		2.31	ND	"	
Benzo (k) fluoranthene	"	"	"		0.577	ND	"	
Chrysene	"	"	"		2.31	ND	"	
Dibenz (a,h) anthracene	"	"	"		1.15	ND	"	
Fluoranthene	"	"	"		57.7	ND	"	
Fluorene	"	"	"		5.77	ND	"	
Indeno (1,2,3-cd) pyrene	"	"	"		23.1	ND	"	
1-Methylnaphthalene	"	"	"		57.7	ND	"	
2-Methylnaphthalene	"	"	"		57.7	ND	"	
Naphthalene	"	"	"		5.77	ND	"	
Phenanthrene	"	"	"		5.77	ND	"	

Great Lakes Analytical--Oak Creek

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790 Marvelle Lne	Project Number:	none	Received: 9/28/00
Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 10/9/00 16:39

Polynuclear Aromatic Compounds by EPA Method 8310
Great Lakes Analytical

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-10 15-17' (continued)			**W009217-02**				Soil (WI)	1
Pyrene	0100061	10/4/00	10/5/00		23.1	ND	ug/kg dry	
Surrogate: Carbazole	"	"	"	*37.1-163*		*98.7*	%	
MW-11 7-9'			**W009217-03**				Soil (WI)	1
Acenaphthene	0100061	10/4/00	10/5/00		118	ND	ug/kg dry	
Acenaphthylene	"	"	"		236	ND	"	
Anthracene	"	"	"		0.589	ND	"	
Benz (a) anthracene	"	"	"		0.589	**1.09**	"	
Benzo (a) pyrene	"	"	"		1.18	**1.60**	"	
Benzo (b) fluoranthene	"	"	"		1.18	**2.17**	"	
Benzo (ghi) perylene	"	"	"		2.36	**3.24**	"	
Benzo (k) fluoranthene	"	"	"		0.589	**1.33**	"	
Chrysene	"	"	"		2.36	ND	"	
Dibenz (a,h) anthracene	"	"	"		1.18	ND	"	
Fluoranthene	"	"	"		58.9	ND	"	
Fluorene	"	"	"		5.89	ND	"	
Indeno (1,2,3-cd) pyrene	"	"	"		23.6	ND	"	
1-Methylnaphthalene	"	"	"		58.9	ND	"	
2-Methylnaphthalene	"	"	"		58.9	**75.8**	"	
Naphthalene	"	"	"		5.89	**80.3**	"	
Phenanthrene	"	"	"		5.89	ND	"	
Pyrene	"	"	"		23.6	ND	"	
Surrogate: Carbazole	"	"	"	*37.1-163*		*98.3*	%	
MW-11 13-15'			**W009217-04**				Soil (WI)	1
Acenaphthene	0100061	10/4/00	10/5/00		118	ND	ug/kg dry	
Acenaphthylene	"	"	"		236	ND	"	
Anthracene	"	"	"		0.589	ND	"	
Benz (a) anthracene	"	"	"		0.589	ND	"	
Benzo (a) pyrene	"	"	"		1.18	ND	"	
Benzo (b) fluoranthene	"	"	"		1.18	ND	"	
Benzo (ghi) perylene	"	"	"		2.36	ND	"	
Benzo (k) fluoranthene	"	"	"		0.589	ND	"	
Chrysene	"	"	"		2.36	ND	"	
Dibenz (a,h) anthracene	"	"	"		1.18	ND	"	
Fluoranthene	"	"	"		58.9	ND	"	
Fluorene	"	"	"		5.89	ND	"	
Indeno (1,2,3-cd) pyrene	"	"	"		23.6	ND	"	

Great Lakes Analytical--Oak Creek

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790 Marvelle Lne	Project Number:	none	Received: 9/28/00
Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 10/9/00 16:39

Polynuclear Aromatic Compounds by EPA Method 8310
Great Lakes Analytical

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-11 13-15' (continued)			**W009217-04**				**Soil (WI)**	**1**
1-Methylnaphthalene	0100061	10/4/00	10/5/00		58.9	ND	ug/kg dry	
2-Methylnaphthalene	"	"	"		58.9	ND	"	
Naphthalene	"	"	"		5.89	ND	"	
Phenanthrene	"	"	"		5.89	ND	"	
Pyrene	"	"	"		23.6	ND	"	
Surrogate: Carbazole	"	"	"	*37.1-163*		*106*	%	
MW-13 5-7'			**W009217-05**				**Soil (WI)**	**1**
Acenaphthene	0100061	10/4/00	10/4/00		140	ND	ug/kg dry	
Acenaphthylene	"	"	"		281	ND	"	
Anthracene	"	"	"		0.702	ND	"	
Benz (a) anthracene	"	"	"		0.702	**0.907**	"	
Benzo (a) pyrene	"	"	"		1.40	ND	"	
Benzo (b) fluoranthene	"	"	"		1.40	ND	"	
Benzo (ghi) perylene	"	"	"		2.81	ND	"	
Benzo (k) fluoranthene	"	"	"		0.702	ND	"	
Chrysene	"	"	"		2.81	ND	"	
Dibenz (a,h) anthracene	"	"	"		1.40	ND	"	
Fluoranthene	"	"	"		70.2	ND	"	
Fluorene	"	"	"		7.02	ND	"	
Indeno (1,2,3-cd) pyrene	"	"	"		28.1	ND	"	
1-Methylnaphthalene	"	"	"		70.2	ND	"	
2-Methylnaphthalene	"	"	"		70.2	ND	"	
Naphthalene	"	"	"		7.02	ND	"	
Phenanthrene	"	"	"		7.02	ND	"	
Pyrene	"	"	"		28.1	ND	"	
Surrogate: Carbazole	"	"	"	*37.1-163*		*100*	%	
MW-13 15-17'			**W009217-06**				**Soil (WI)**	**1**
Acenaphthene	0100061	10/4/00	10/5/00		117	ND	ug/kg dry	
Acenaphthylene	"	"	"		235	ND	"	
Anthracene	"	"	"		0.586	ND	"	
Benz (a) anthracene	"	"	"		0.586	ND	"	
Benzo (a) pyrene	"	"	"		1.17	ND	"	
Benzo (b) fluoranthene	"	"	"		1.17	ND	"	
Benzo (ghi) perylene	"	"	"		2.35	ND	"	
Benzo (k) fluoranthene	"	"	"		0.586	ND	"	
Chrysene	"	"	"		2.35	ND	"	

Great Lakes Analytical--Oak Creek

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790 Marvelle Lne	Project Number:	none	Received: 9/28/00
Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 10/9/00 16:39

Polynuclear Aromatic Compounds by EPA Method 8310
Great Lakes Analytical

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-13 15-17' (continued)			**W009217-06**				**Soil (WI)**	**1**
Dibenz (a,h) anthracene	0100061	10/4/00	10/5/00		1.17	ND	ug/kg dry	
Fluoranthene	"	"	"		58.6	ND	"	
Fluorene	"	"	"		5.86	ND	"	
Indeno (1,2,3-cd) pyrene	"	"	"		23.5	ND	"	
1-Methylnaphthalene	"	"	"		58.6	ND	"	
2-Methylnaphthalene	"	"	"		58.6	ND	"	
Naphthalene	"	"	"		5.86	ND	"	
Phenanthrene	"	"	"		5.86	ND	"	
Pyrene	"	"	"		23.5	ND	"	
Surrogate: Carbazole	"	"	"	*37.1-163*		*105*	%	
MW-14 11-13'			**W009217-07**				**Soil (WI)**	**1**
Acenaphthene	0100061	10/4/00	10/5/00		115	ND	ug/kg dry	
Acenaphthylene	"	"	"		230	ND	"	
Anthracene	"	"	"		0.575	ND	"	
Benz (a) anthracene	"	"	"		0.575	ND	"	
Benzo (a) pyrene	"	"	"		1.15	ND	"	
Benzo (b) fluoranthene	"	"	"		1.15	ND	"	
Benzo (ghi) perylene	"	"	"		2.30	ND	"	
Benzo (k) fluoranthene	"	"	"		0.575	ND	"	
Chrysene	"	"	"		2.30	ND	"	
Dibenz (a,h) anthracene	"	"	"		1.15	ND	"	
Fluoranthene	"	"	"		57.5	ND	"	
Fluorene	"	"	"		5.75	ND	"	
Indeno (1,2,3-cd) pyrene	"	"	"		23.0	ND	"	
1-Methylnaphthalene	"	"	"		57.5	ND	"	
2-Methylnaphthalene	"	"	"		57.5	ND	"	
Naphthalene	"	"	"		5.75	ND	"	
Phenanthrene	"	"	"		5.75	ND	"	
Pyrene	"	"	"		23.0	ND	"	
Surrogate: Carbazole	"	"	"	*37.1-163*		*91.5*	%	
MW-14 15-17'			**W009217-08**				**Soil (WI)**	**1**
Acenaphthene	0100061	10/4/00	10/5/00		118	ND	ug/kg dry	
Acenaphthylene	"	"	"		236	ND	"	
Anthracene	"	"	"		0.590	ND	"	
Benz (a) anthracene	"	"	"		0.590	ND	"	
Benzo (a) pyrene	"	"	"		1.18	ND	"	

Great Lakes Analytical--Oak Creek

**Refer to end of report for text of notes and definitions.*

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Envirogen - Ashwabenon	Project:	990423	Sampled: 9/26/00
790 Marvelle Lne	Project Number:	none	Received: 9/28/00
Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 10/9/00 16:39

Polynuclear Aromatic Compounds by EPA Method 8310
Great Lakes Analytical

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-14 15-17' (continued)			**W009217-08**				Soil (WI)	1
Benzo (b) fluoranthene	0100061	10/4/00	10/5/00		1.18	ND	ug/kg dry	
Benzo (ghi) perylene	"	"	"		2.36	ND	"	
Benzo (k) fluoranthene	"	"	"		0.590	ND	"	
Chrysene	"	"	"		2.36	ND	"	
Dibenz (a,h) anthracene	"	"	"		1.18	ND	"	
Fluoranthene	"	"	"		59.0	ND	"	
Fluorene	"	"	"		5.90	ND	"	
Indeno (1,2,3-cd) pyrene	"	"	"		23.6	ND	"	
1-Methylnaphthalene	"	"	"		59.0	ND	"	
2-Methylnaphthalene	"	"	"		59.0	ND	"	
Naphthalene	"	"	"		5.90	ND	"	
Phenanthrene	"	"	"		5.90	ND	"	
Pyrene	"	"	"		23.6	ND	"	
Surrogate: Carbazole	"	"	"	*37.1-163*		*88.8*	%	
MW-12 9-11'			**W009217-09**				Soil (WI)	1
Acenaphthene	0100061	10/4/00	10/5/00		113	ND	ug/kg dry	
Acenaphthylene	"	"	"		226	ND	"	
Anthracene	"	"	"		0.565	ND	"	
Benz (a) anthracene	"	"	"		0.565	ND	"	
Benzo (a) pyrene	"	"	"		1.13	ND	"	
Benzo (b) fluoranthene	"	"	"		1.13	ND	"	
Benzo (ghi) perylene	"	"	"		2.26	ND	"	
Benzo (k) fluoranthene	"	"	"		0.565	ND	"	
Chrysene	"	"	"		2.26	ND	"	
Dibenz (a,h) anthracene	"	"	"		1.13	ND	"	
Fluoranthene	"	"	"		56.5	ND	"	
Fluorene	"	"	"		5.65	ND	"	
Indeno (1,2,3-cd) pyrene	"	"	"		22.6	ND	"	
1-Methylnaphthalene	"	"	"		56.5	ND	"	
2-Methylnaphthalene	"	"	"		56.5	ND	"	
Naphthalene	"	"	"		5.65	ND	"	
Phenanthrene	"	"	"		5.65	ND	"	
Pyrene	"	"	"		22.6	ND	"	
Surrogate: Carbazole	"	"	"	*37.1-163*		*92.1*	%	
MW-12 15-17'			**W009217-10**				Soil (WI)	1
Acenaphthene	0100061	10/4/00	10/5/00		124	ND	ug/kg dry	

Great Lakes Analytical--Oak Creek

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790 Marvelle Lne	Project Number:	none	Received: 9/28/00
Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 10/9/00 16:39

Polynuclear Aromatic Compounds by EPA Method 8310
Great Lakes Analytical

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-12 15-17' (continued)			**W009217-10**				**Soil (WI)**	**1**
Acenaphthylene	0100061	10/4/00	10/5/00		249	ND	ug/kg dry	
Anthracene	"	"	"		0.621	ND	"	
Benz (a) anthracene	"	"	"		0.621	ND	"	
Benzo (a) pyrene	"	"	"		1.24	ND	"	
Benzo (b) fluoranthene	"	"	"		1.24	ND	"	
Benzo (ghi) perylene	"	"	"		2.49	ND	"	
Benzo (k) fluoranthene	"	"	"		0.621	ND	"	
Chrysene	"	"	"		2.49	ND	"	
Dibenz (a,h) anthracene	"	"	"		1.24	ND	"	
Fluoranthene	"	"	"		62.1	ND	"	
Fluorene	"	"	"		6.21	ND	"	
Indeno (1,2,3-cd) pyrene	"	"	"		24.9	ND	"	
1-Methylnaphthalene	"	"	"		62.1	ND	"	
2-Methylnaphthalene	"	"	"		62.1	ND	"	
Naphthalene	"	"	"		6.21	ND	"	
Phenanthrene	"	"	"		6.21	ND	"	
Pyrene	"	"	"		24.9	ND	"	
Surrogate: Carbazole	"	"	"	*37.1-163*		*94.1*	%	

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Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 10/9/00 16:39

Dry Weight Determination
Great Lakes Analytical

Sample Name	Lab ID	Matrix	Result	Units
MW-10 11-13'	W009217-01	Soil (WI)	86.5	%
MW-10 15-17'	W009217-02	Soil (WI)	86.7	%
MW-11 7-9'	W009217-03	Soil (WI)	84.8	%
MW-11 13-15'	W009217-04	Soil (WI)	84.9	%
MW-13 5-7'	W009217-05	Soil (WI)	71.3	%
MW-13 15-17'	W009217-06	Soil (WI)	85.3	%
MW-14 11-13'	W009217-07	Soil (WI)	87.0	%
MW-14 15-17'	W009217-08	Soil (WI)	84.7	%
MW-12 9-11'	W009217-09	Soil (WI)	88.4	%
MW-12 15-17'	W009217-10	Soil (WI)	80.5	%

Great Lakes Analytical--Oak Creek

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790 Marvelle Lne	Project Number:	none	Received:	9/28/00
Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported:	10/9/00 16:39

Dry Weight Determination
Great Lakes Analytical--Oak Creek

Sample Name	Lab ID	Matrix	Result	Units
MW-10 11-13'	W009217-01	Soil (WI)	87.2	%
MW-10 15-17'	W009217-02	Soil (WI)	84.8	%
MW-11 7-9'	W009217-03	Soil (WI)	87.3	%
MW-11 13-15'	W009217-04	Soil (WI)	84.3	%
MW-13 5-7'	W009217-05	Soil (WI)	85.5	%
MW-13 15-17'	W009217-06	Soil (WI)	85.6	%
MW-14 11-13'	W009217-07	Soil (WI)	86.6	%
MW-14 15-17'	W009217-08	Soil (WI)	86.3	%
MW-12 9-11'	W009217-09	Soil (WI)	88.5	%
MW-12 15-17'	W009217-10	Soil (WI)	84.8	%

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790 Marvelle Lne	Project Number:	none	Received: 9/28/00
Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 10/9/00 16:39

Diesel Range Organics (DRO) by WDNR DRO/Quality Control
Great Lakes Analytical--Oak Creek

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0100001	**Date Prepared: 10/2/00**					**Extraction Method: EPA 3550B**				
Blank	**0100001-BLK1**									
Diesel Range Organics (DRO)	10/3/00			ND	mg/kg dry	5.00				
LCS	**0100001-BS1**									
Diesel Range Organics (DRO)	10/4/00	38.9		28.6	mg/kg dry	70.0-120	73.5			
LCS Dup	**0100001-BSD1**									
Diesel Range Organics (DRO)	10/4/00	38.9		42.1	mg/kg dry	70.0-120	108	20.0	38.0	

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Envirogen - Ashwabenon	Project:	990423	Sampled: 9/26/00
790 Marvelle Lne	Project Number:	none	Received: 9/28/00
Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 10/9/00 16:39

Gasoline Range Organics (GRO) by WDNR GRO/Quality Control
Great Lakes Analytical--Oak Creek

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0100002	**Date Prepared: 10/2/00**					**Extraction Method: EPA 5030B [MeOH]**				
Blank	**0100002-BLK1**									
Gasoline Range Organics (GRO)	10/2/00			ND	mg/kg dry	5.00				
LCS	**0100002-BS1**									
Gasoline Range Organics (GRO)	10/2/00	10.0		9.24	mg/kg dry	80.0-120	92.4			
LCS Dup	**0100002-BSD1**									
Gasoline Range Organics (GRO)	10/2/00	10.0		8.66	mg/kg dry	80.0-120	86.6	20.0	6.48	

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790 Marvelle Lne	Project Number:	none	Received: 9/28/00
Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 10/9/00 16:39

Petroleum Volatile Organic Compounds (PVOC) by Method 8021B/Quality Control
Great Lakes Analytical--Oak Creek

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0100002	**Date Prepared: 10/2/00**					**Extraction Method: EPA 5030B [MeOH]**				
Blank	**0100002-BLK1**									
Benzene	10/2/00			ND	ug/kg dry	25.0				
Ethylbenzene	"			ND	"	25.0				
Methyl tert-butyl ether	"			ND	"	25.0				
Toluene	"			ND	"	25.0				
1,2,4-Trimethylbenzene	"			ND	"	25.0				
1,3,5-Trimethylbenzene	"			ND	"	25.0				
Total Xylenes	"			ND	"	25.0				
Surrogate: 4-BFB	"	*1000*		*972*	"	*80.0-120*	*97.2*			
LCS	**0100002-BS1**									
Benzene	10/2/00	1000		927	ug/kg dry	80.0-120	92.7			
Ethylbenzene	"	1000		971	"	80.0-120	97.1			
Methyl tert-butyl ether	"	1000		918	"	80.0-120	91.8			
Toluene	"	1000		950	"	80.0-120	95.0			
1,2,4-Trimethylbenzene	"	1000		955	"	80.0-120	95.5			
1,3,5-Trimethylbenzene	"	1000		908	"	80.0-120	90.8			
Total Xylenes	"	3000		2920	"	80.0-120	97.3			
Surrogate: 4-BFB	"	*1000*		*899*	"	*80.0-120*	*89.9*			
LCS Dup	**0100002-BSD1**									
Benzene	10/2/00	1000		896	ug/kg dry	80.0-120	89.6	20.0	3.40	
Ethylbenzene	"	1000		936	"	80.0-120	93.6	20.0	3.67	
Methyl tert-butyl ether	"	1000		988	"	80.0-120	98.8	20.0	7.35	
Toluene	"	1000		932	"	80.0-120	93.2	20.0	1.91	
1,2,4-Trimethylbenzene	"	1000		914	"	80.0-120	91.4	20.0	4.39	
1,3,5-Trimethylbenzene	"	1000		865	"	80.0-120	86.5	20.0	4.85	
Total Xylenes	"	3000		2810	"	80.0-120	93.7	20.0	3.77	
Surrogate: 4-BFB	"	*1000*		*999*	"	*80.0-120*	*99.9*			

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790 Marvelle Lne	Project Number:	none	Received: 9/28/00
Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 10/9/00 16:39

Total Metals by EPA 6000/7000 Series Methods/Quality Control
Great Lakes Analytical

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0100096	**Date Prepared: 10/5/00**					**Extraction Method: EPA 3050B**				
Blank	**0100096-BLK1**									
Cadmium	10/5/00			ND	mg/kg dry	0.500				
Lead	"			ND	"	1.00				
LCS	**0100096-BS1**									
Cadmium	10/5/00	250		236	mg/kg dry	87.0-105	94.4			
Lead	"	252		237	"	84.0-109	94.0			
Matrix Spike	**0100096-MS1**		**W009217-01**							
Cadmium	10/5/00	270	ND	188	mg/kg dry	59.0-116	**69.6**			
Lead	"	272	5.19	194	"	52.0-125	**69.4**			
Matrix Spike Dup	**0100096-MSD1**		**W009217-01**							
Cadmium	10/5/00	268	ND	194	mg/kg dry	59.0-116	**72.4**	9.00	**3.94**	
Lead	"	269	5.19	203	"	52.0-125	**73.5**	14.0	**5.74**	

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790 Marvelle Lne	Project Number:	none	Received: 9/28/00
Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 10/9/00 16:39

Polychlorinated Biphenyls by EPA Method 8082/Quality Control
Great Lakes Analytical

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0100027	**Date Prepared: 10/3/00**					**Extraction Method: EPA 3550B**				
Blank	**0100027-BLK1**									
PCB-1016	10/3/00			ND	ug/kg	**25.0**				
PCB-1221	"			ND	"	**25.0**				
PCB-1232	"			ND	"	**25.0**				
PCB-1242	"			ND	"	**25.0**				
PCB-1248	"			ND	"	**25.0**				
PCB-1254	"			ND	"	**25.0**				
PCB-1260	"			ND	"	**25.0**				
Surrogate: Tetrachloro-meta-xylene	"	*16.6*		*9.08*	"	*22.2-88.0*	*54.7*			
Surrogate: Decachlorobiphenyl	"	*16.6*		*9.02*	"	*16.2-107*	*54.3*			
LCS	**0100027-BS1**									
PCB-1016	10/3/00	83.3		63.3	ug/kg	10.0-135	76.0			
PCB-1260	"	83.3		50.1	"	10.0-118	60.1			
Surrogate: Tetrachloro-meta-xylene	"	*16.7*		*10.9*	"	*22.2-88.0*	*65.3*			
Surrogate: Decachlorobiphenyl	"	*16.7*		*11.4*	"	*16.2-107*	*68.3*			
Matrix Spike	**0100027-MS1**		**W009217-09**							
PCB-1016	10/3/00	81.4	ND	67.0	ug/kg	14.3-134	**82.3**			
PCB-1260	"	81.4	ND	59.4	"	10.0-173	**73.0**			
Surrogate: Tetrachloro-meta-xylene	"	*16.3*		*9.23*	"	*22.2-88.0*	*56.6*			
Surrogate: Decachlorobiphenyl	"	*16.3*		*10.2*	"	*16.2-107*	*62.6*			
Matrix Spike Dup	**0100027-MSD1**		**W009217-09**							
PCB-1016	10/3/00	83.5	ND	52.3	ug/kg	14.3-134	**62.6**	74.2	**27.2**	
PCB-1260	"	83.5	ND	47.7	"	10.0-173	**57.1**	51.5	**24.4**	
Surrogate: Tetrachloro-meta-xylene	"	*16.7*		*9.51*	"	*22.2-88.0*	*56.9*			
Surrogate: Decachlorobiphenyl	"	*16.7*		*9.98*	"	*16.2-107*	*59.8*			

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790 Marvelle Lne	Project Number:	none	Received: 9/28/00
Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 10/9/00 16:39

Polynuclear Aromatic Compounds by EPA Method 8310/Quality Control
Great Lakes Analytical

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0100061	**Date Prepared: 10/4/00**					**Extraction Method: EPA 3550B**				
Blank	**0100061-BLK1**									
Acenaphthene	10/4/00			ND	ug/kg dry	100				
Acenaphthylene	"			ND	"	200				
Anthracene	"			ND	"	0.500				
Benz (a) anthracene	"			ND	"	0.500				
Benzo (a) pyrene	"			ND	"	1.00				
Benzo (b) fluoranthene	"			ND	"	1.00				
Benzo (ghi) perylene	"			ND	"	2.00				
Benzo (k) fluoranthene	"			ND	"	0.500				
Chrysene	"			ND	"	2.00				
Dibenz (a,h) anthracene	"			ND	"	1.00				
Fluoranthene	"			ND	"	50.0				
Fluorene	"			ND	"	5.00				
Indeno (1,2,3-cd) pyrene	"			ND	"	20.0				
1-Methylnaphthalene	"			ND	"	50.0				
2-Methylnaphthalene	"			ND	"	50.0				
Naphthalene	"			ND	"	5.00				
Phenanthrene	"			ND	"	5.00				
Pyrene	"			ND	"	20.0				
Surrogate: Carbazole	"	*336*		*385*	"	*37.1-163*	*115*			
LCS	**0100061-BS1**									
Acenaphthene	10/4/00	667		543	ug/kg dry	23.5-114	81.4			
Acenaphthylene	"	667		677	"	44.8-131	101			
Anthracene	"	667		530	"	16.5-141	79.5			
Benz (a) anthracene	"	667		560	"	43.1-126	84.0			
Benzo (a) pyrene	"	667		587	"	44.8-119	88.0			
Benzo (b) fluoranthene	"	667		575	"	45.0-128	86.2			
Benzo (ghi) perylene	"	667		717	"	40.6-139	107			
Benzo (k) fluoranthene	"	667		592	"	46.4-133	88.8			
Chrysene	"	667		547	"	44.1-130	82.0			
Dibenz (a,h) anthracene	"	667		600	"	43.7-139	90.0			
Fluoranthene	"	667		544	"	49.8-128	81.6			
Fluorene	"	667		524	"	32.6-123	78.6			
Indeno (1,2,3-cd) pyrene	"	667		548	"	46.8-133	82.2			
1-Methylnaphthalene	"	667		524	"	10.0-210	78.6			
2-Methylnaphthalene	"	667		496	"	10.0-153	74.4			
Naphthalene	"	667		546	"	41.2-114	81.9			

Great Lakes Analytical--Oak Creek

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790 Marvelle Lne	Project Number:	none	Received: 9/28/00
Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 10/9/00 16:39

Polynuclear Aromatic Compounds by EPA Method 8310/Quality Control
Great Lakes Analytical

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
LCS (continued)	**0100061-BS1**									
Phenanthrene	10/4/00	667		511	ug/kg dry	39.4-120	76.6			
Pyrene	"	667		544	"	22.2-143	81.6			
Surrogate: Carbazole	"	*334*		*348*	"	*37.1-163*	*104*			
Matrix Spike	**0100061-MS1**		**B009403-09**							
Acenaphthene	10/4/00	852	ND	704	ug/kg dry	10.0-113	**82.6**			
Acenaphthylene	"	852	ND	865	"	10.0-145	**102**			
Anthracene	"	852	ND	650	"	17.2-117	**76.3**			
Benz (a) anthracene	"	852	ND	682	"	18.3-116	**80.0**			
Benzo (a) pyrene	"	852	ND	694	"	26.2-118	**81.5**			
Benzo (b) fluoranthene	"	852	ND	686	"	22.4-126	**80.5**			
Benzo (ghi) perylene	"	852	ND	830	"	25.3-128	**97.4**			
Benzo (k) fluoranthene	"	852	ND	694	"	27.2-118	**81.5**			
Chrysene	"	852	ND	672	"	10.0-131	**78.9**			
Dibenz (a,h) anthracene	"	852	ND	688	"	26.2-122	**80.8**			
Fluoranthene	"	852	ND	691	"	21.8-132	**81.1**			
Fluorene	"	852	ND	676	"	12.6-113	**79.3**			
Indeno (1,2,3-cd) pyrene	"	852	ND	646	"	23.6-128	**75.8**			
1-Methylnaphthalene	"	852	ND	661	"	10.0-462	**77.6**			
2-Methylnaphthalene	"	852	ND	652	"	10.0-496	**76.5**			
Naphthalene	"	852	ND	692	"	10.0-128	**81.2**			
Phenanthrene	"	852	ND	670	"	10.0-119	**78.6**			
Pyrene	"	852	ND	714	"	17.9-125	**83.8**			
Surrogate: Carbazole	"	*426*		*364*	"	*37.1-163*	*85.4*			
Matrix Spike Dup	**0100061-MSD1**		**B009403-09**							
Acenaphthene	10/4/00	841	ND	611	ug/kg dry	10.0-113	**72.7**	101	**12.7**	
Acenaphthylene	"	841	ND	746	"	10.0-145	**88.7**	83.7	**13.9**	
Anthracene	"	841	ND	568	"	17.2-117	**67.5**	53.4	**12.2**	
Benz (a) anthracene	"	841	ND	590	"	18.3-116	**70.2**	63.7	**13.0**	
Benzo (a) pyrene	"	841	ND	600	"	26.2-118	**71.3**	54.4	**13.4**	
Benzo (b) fluoranthene	"	841	ND	585	"	22.4-126	**69.6**	54.6	**14.5**	
Benzo (ghi) perylene	"	841	ND	696	"	25.3-128	**82.8**	57.8	**16.2**	
Benzo (k) fluoranthene	"	841	ND	595	"	27.2-118	**70.7**	52.3	**14.2**	
Chrysene	"	841	ND	580	"	10.0-131	**69.0**	58.5	**13.4**	
Dibenz (a,h) anthracene	"	841	ND	589	"	26.2-122	**70.0**	53.1	**14.3**	
Fluoranthene	"	841	ND	648	"	21.8-132	**77.1**	67.9	**5.06**	
Fluorene	"	841	ND	582	"	12.6-113	**69.2**	68.0	**13.6**	

Great Lakes Analytical--Oak Creek

**Refer to end of report for text of notes and definitions.*

Andrea Stathas, Project Manager

GREAT LAKES ANALYTICAL
140 East Ryan Road
Oak Creek, Wisconsin 53154
Email: info@glalabs.com
(414) 570-9460 FAX (414) 570-9461

Envirogen - Ashwabenon	Project:	990423	Sampled: 9/26/00
790 Marvelle Lne	Project Number:	none	Received: 9/28/00
Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 10/9/00 16:39

Polynuclear Aromatic Compounds by EPA Method 8310/Quality Control
Great Lakes Analytical

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Matrix Spike Dup (continued)	**0100061-MSD1**		**B009403-09**							
Indeno (1,2,3-cd) pyrene	10/4/00	841	ND	533	ug/kg dry	23.6-128	**63.4**	52.3	**17.8**	
1-Methylnaphthalene	"	841	ND	573	"	10.0-462	**68.1**	195	**13.0**	
2-Methylnaphthalene	"	841	ND	577	"	10.0-496	**68.6**	78.6	**10.9**	
Naphthalene	"	841	ND	604	"	10.0-128	**71.8**	57.7	**12.3**	
Phenanthrene	"	841	ND	584	"	10.0-119	**69.4**	165	**12.4**	
Pyrene	"	841	ND	616	"	17.9-125	**73.2**	80.0	**13.5**	
Surrogate: Carbazole	"	*421*		*363*	"	*37.1-163*	*86.2*			

GREAT LAKES ANALYTICAL

140 East Ryan Road
Oak Creek, Wisconsin 53154

Email: info@glalabs.com
(414) 570-9460 FAX (414) 570-9461

Envirogen - Ashwabenon	Project:	990423	Sampled: 9/26/00
790 Marvelle Lne	Project Number:	none	Received: 9/28/00
Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 10/9/00 16:39

Notes and Definitions

#	Note
G12	The reporting limit of this sample/analyte is elevated due to sample matrix and/or other effects.
G19	The relative percent difference (RPD) of one or more analyties in the laboratory control QC (BS/BSD) associated with this sample is above the laboratory's established acceptance limits. Refer to included QC reports for more detail.
T1	Gas Pattern
T10	Diesel Range
T11	Motor Oil Range
T12	Early Elevated Baseline
T13	Several Large Peaks
T15	Late Elevated Baseline
T4	Gas Range
T6	Early Peaks
T8	Diesel Pattern
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
Recov.	Recovery
RPD	Relative Percent Difference
1	This sample was analyzed by Great Lakes Analytical in Buffalo Grove, Illinois, WDNR certification # 999917160.

Great Lakes Analytical--Oak Creek

Andrea Stathas, Project Manager

GREAT LAKES ANALYTICAL

CHAIN OF CUSTODY REPORT

1380 Busch Parkway
Buffalo Grove, IL 60089-4505
(847) 808-7766
FAX (847) 808-7772

20725 Watertown Road
Brookfield, WI 53501
(414) 798-1030
FAX (414) 798-1066

Client: Envirogen | Bill To: Same | TAT: 5 DAY 4 DAY 3 DAY 2 DAY 1 DAY < 24 HRS.

Address: 790 Marvelle Ln | Address: | DATE RESULTS NEEDED:

Green Bay, WI 54304 | | TEMPERATURE UPON RECEIPT:

Report to: Mark, Love | Phone #: (920) 497-8910 Fax #: (920) 497-8065 | State & Program: | Phone #: ( ) Fax #: ( ) | AIR BILL NO.

Project: 990423

Sampler: JDN

PO/Quote #:

	FIELD ID, LOCATION	DATE COLLECTED	TIME COLLECTED	SAMPLE MATRIX	PRESERVATIVES	NO. CONTAINERS	TYPE CONTAINERS	PVOC	GRO	DRO	PAH	lead	PCBs	Cadium	Dry Weight			SAMPLE CONTROL: CRACKED/BROKEN	IMPROPERLY SEALED	GOOD CONDITION	LABORATORY ID NUMBER
1	MW-10 (11-13)	9/24	12:00	Soil	Methanol	1	2oz	X	X												W009217-01
					Nothing	3	4oz			X	X	X		X							
2	MW-10 (15-17)	9/26	2:30		Methanol	1	2oz	X	X												-02
					None	3	4oz			X	X	X		X							
3	MW-11 (7-9)		1:30		Methanol	1	2oz	X	X												-03
			1:30		None	3	4oz			X	X	X		X							
4	MW-11 (13-15)		1:30		Methanol	1	2oz	X	X												-04
			1:30		None	3	4oz			X	X	X		X							
5	MW-13 (5-7)		3:00		Methanol	1	2oz	X	X												-05
			3:00		None	3	4oz			X	X	X		X							
6	MW-13 (15-17)		3:00		Methanol	1	2oz	X	X												-06
			3:00		None	3	4oz			X	X	X		X							
7	MW-14 (11-13)		10:30		Methanol	1	2oz	X	X												-07
			10:30		None	3	4oz			X	X	X		X							
8	MW-14 (15-17)		10:30		Methanol	1	2oz	X	X												-08
			10:30		None	3	4oz			X	X	X		X							
9	MW-12 (9-11)		4:45		Methanol	1	2oz	X	X												-09
			4:45		None	4	4oz			X	X	X	X	X	X						
10	MW-12 (15-17)		4:45		Methanol	1	2oz	X	X												-10
			4:45		None	4	4oz			X	X	X	X	X	X						

RELINQUISHED	DATE / TIME	RECEIVED	DATE / TIME	RELINQUISHED	DATE / TIME	RECEIVED	DATE / TIME
[signature]	9/24	[signature]	9-28-00 1600				
RELINQUISHED	DATE / TIME	RECEIVED	DATE / TIME	RELINQUISHED	DATE / TIME	RECEIVED	DATE / TIME

COMMENTS:

PAGE OF

JG958198

APPENDIX D

WDNR Monitoring Well Construction Forms
WDNR Monitoring Well Development Forms

State of Wisconsin
Department of Natural Resources

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

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Ness Property	Local Grid Location of Well: _____ ft. ☐N. ☐S. _____ ft. ☐E. ☐W.	Well Name: MW-10
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No.: JY617 / DNR Well ID No.: ____
Facility ID: _____	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed: 09/26/2000 (m m d d y y y y)
Type of Well: Monitoring well; Well Code: 1	Section Location of Waste/Source: NE 1/4 of NW 1/4 of Sec. 35, T. 24 N, R. 20 ■E ☐W	Well Installed By: Name (first, last) and Firm: Gary / MES
Distance from Waste/Source _____ ft. / Enf. Stds. Apply ■	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ■ Not Known	Gov. Lot Number: _____

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation _____ ft. MSL

C. Land surface elevation _____ ft. MSL

D. Surface seal, bottom _____ ft. MSL or 2.0 ft.

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

13. Sieve analysis performed? ☐ Yes ■ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ■ 41; Other ☐ _____

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

16. Drilling additives used? ☐ Yes ■ No

Describe N/A

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

E. Bentonite seal, top _____ ft. MSL or 2.0 ft.

F. Fine sand, top _____ ft. MSL or 5.0 ft.

G. Filter pack, top _____ ft. MSL or 6.0 ft.

H. Screen joint, top _____ ft. MSL or 7.0 ft.

I. Well bottom _____ ft. MSL or 17.0 ft.

J. Filter pack, bottom _____ ft. MSL or 17.0 ft.

K. Borehole, bottom _____ ft. MSL or 17.0 ft.

L. Borehole, diameter 8.0 in.

M. O.D. well casing 2.38 in.

N. I.D. well casing 2.07 in.

1. Cap and lock? ■ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 12.0 in.
b. Length: 1.5 ft.
c. Material: Steel ■ 04; Other ☐ _____
d. Additional protection? ☐ Yes ■ No
If yes, describe: _____

3. Surface seal: Bentonite ☐ 30; Concrete ■ 01; Other ☐ _____

4. Material between well casing and protective pipe: Bentonite ■ 30; Other ☐ _____

5. Annular space seal: a. Granular/Chipped Bentonite ■ 33
b. 40 (Lbs)/gal mud weight ... Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31
d. _____ % Bentonite ..... Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ■ 08

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

7. Fine sand material: Manufacturer, product name & mesh size
a. #45-55 Red Flint
b. Volume added .34 ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. #30 Red Flint
b. Volume added 3.48 ft^3

9. Well casing: Flush threaded PVC schedule 40 ■ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐ _____

10. Screen material: PVC
a. Screen type: Factory cut ■ 11; Continuous slot ☐ 01; Other ☐ _____
b. Manufacturer Oredich
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.

11. Backfill material (below filter pack): None ■ 14; Other ☐ _____

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

Signature _____ Firm Enviroscan

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

State of Wisconsin
Department of Natural Resources

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

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

Facility/Project Name: Ness Property	Local Grid Location of Well: _____ ft. ☐N. ☐S. _____ ft. ☐E. ☐W.	Well Name: MW-11
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No.: AN-978 / DNR Well ID No.: _____
Facility ID: _____	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed: 09/26/2000 (m m d d y y y y)
Type of Well: Monitoring Well; Well Code: 1	Section Location of Waste/Source: NE 1/4 of NW 1/4 of Sec. 35, T. 24 N, R. 20 ■E ☐W	Well Installed By: Name (first, last) and Firm: Gary / MES
Distance from Waste/Source _____ ft.	Enf. Stds. Apply ■	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known
		Gov. Lot Number: _____

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation _____ ft. MSL

C. Land surface elevation _____ ft. MSL

D. Surface seal, bottom _____ ft. MSL or 20 ft.

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

13. Sieve analysis performed? ☐ Yes ■ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ■ 41; Other ☐ _____

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

16. Drilling additives used? ☐ Yes ■ No
Describe N/A

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

E. Bentonite seal, top _____ ft. MSL or 2.0 ft.

F. Fine sand, top _____ ft. MSL or 3.6 ft.

G. Filter pack, top _____ ft. MSL or 4.0 ft.

H. Screen joint, top _____ ft. MSL or 5.0 ft.

I. Well bottom _____ ft. MSL or 15.0 ft.

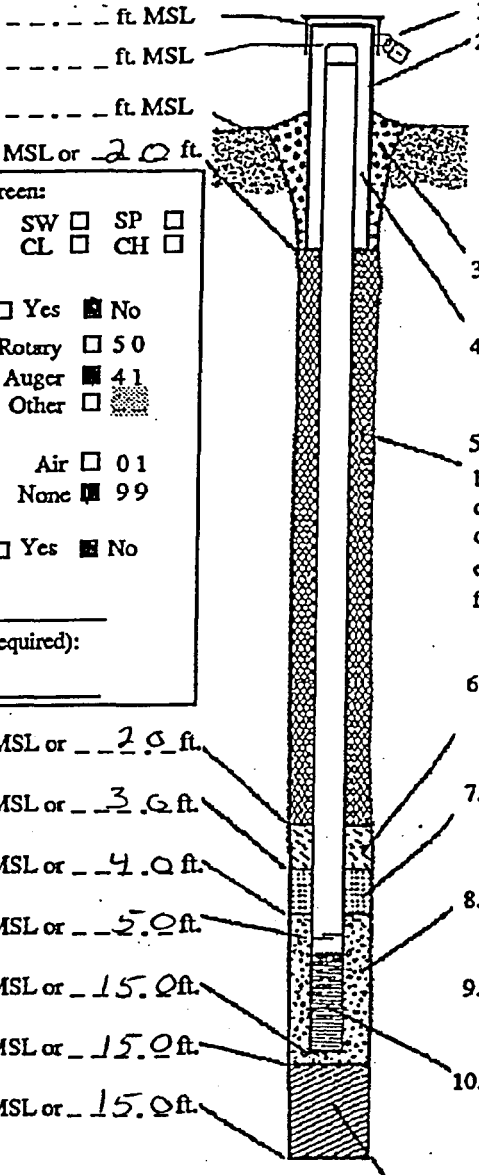
J. Filter pack, bottom _____ ft MSL or 15.0 ft.

K. Borehole, bottom _____ ft MSL or 15.0 ft.

L. Borehole, diameter 8.0 in.

M. O.D. well casing 2.38 in.

N. I.D. well casing 2.07 in.



1. Cap and lock? ■ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 12.0 in.
b. Length: 1.5 ft.
c. Material: Steel ■ 04; Other ☐ _____
d. Additional protection? ☐ Yes ■ No
If yes, describe: _____

3. Surface seal: Bentonite ☐ 30; Concrete ■ 01; Other ☐ _____

4. Material between well casing and protective pipe: Bentonite ■ 30; Other ☐ _____

5. Annular space seal: a. Granular/Chipped Bentonite ■ 33
b. 40 Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31
d. _____ % Bentonite ..... Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ■ 08

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

7. Fine sand material: Manufacturer, product name & mesh size
a. #45-55 Red Flint
b. Volume added 13.4 ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. #30 Red Flint
b. Volume added 3.48 ft^3

9. Well casing: Flush threaded PVC schedule 40 ■ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐ _____

10. Screen material: PVC
a. Screen type: Factory cut ■ 11; Continuous slot ☐ 01; Other ☐ _____
b. Manufacturer Oredich
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.

11. Backfill material (below filter pack): None ■ 14; Other ☐ _____

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

Signature _____ Firm Enviroserv

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

State of Wisconsin
Department of Natural Resources

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

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Ness Property	Local Grid Location of Well: _____ ft. ☐N. ☐S. _____ ft. ☐E. ☐W.	Well Name: MW-12
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No.: JK700 / DNR Well ID No.: ___
Facility ID: _____	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed: 09/26/2000 (m m d d y y y y)
Type of Well: Monitoring well / Well Code: 1	Section Location of Waste/Source: NE 1/4 of NW 1/4 of Sec. 35, T. 24 N, R. 20 ☒E ☐W	Well Installed By: Name (first, last) and Firm: Gary / MES
Distance from Waste/Source _____ ft. / Enf. Stds. Apply ☒	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☒ Not Known	Gov. Lot Number: _____

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation _____ ft. MSL

C. Land surface elevation _____ ft. MSL

D. Surface seal, bottom _____ ft. MSL or 2.0 ft.

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

13. Sieve analysis performed? ☐ Yes ☒ No

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

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

16. Drilling additives used? ☐ Yes ☒ No

Describe N/A

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

E. Bentonite seal, top _____ ft. MSL or 6.0 ft.

F. Fine sand, top _____ ft. MSL or 5.0 ft.

G. Filter pack, top _____ ft. MSL or 6.0 ft.

H. Screen joint, top _____ ft. MSL or 7.0 ft.

I. Well bottom _____ ft. MSL or 17.0 ft.

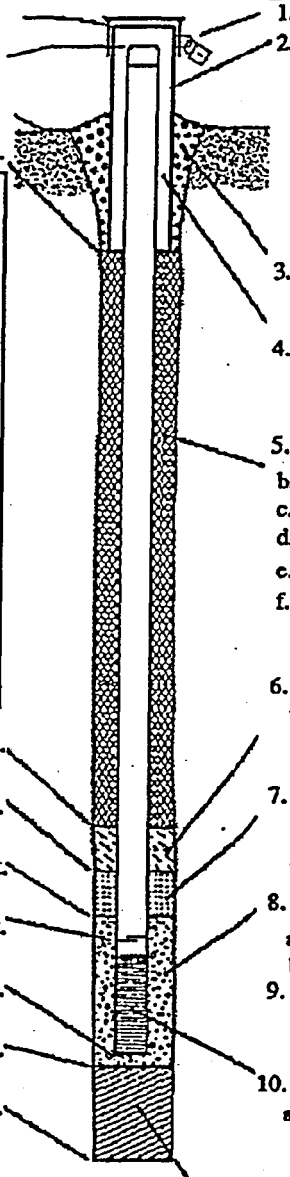
J. Filter pack, bottom _____ ft MSL or 17.0 ft.

K. Borehole, bottom _____ ft MSL or 17.0 ft.

L. Borehole, diameter 8.0 in.

M. O.D. well casing 2.38 in.

N. I.D. well casing 2.07 in.



1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 12.0 in.
b. Length: 2.5 ft.
c. Material: Steel ☒ 04
Other ☐ _____
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____

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

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

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. 40 lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31
d. _____ % Bentonite ..... Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01
Tremie pumped ☐ 02
Gravity ☒ 08

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

7. Fine sand material: Manufacturer, product name & mesh size
a. #45-55 Red Flint
b. Volume added .34 ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. #30 Red Flint
b. Volume added 3.48 ft^3

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

10. Screen material: PVC
a. Screen type: Factory cut ☒ 11
Continuous slot ☐ 01
Other ☐ _____
b. Manufacturer Oredich
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.

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

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

Signature _____ Firm Environmen

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

State of Wisconsin
Department of Natural Resources

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

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Ness Property	Local Grid Location of Well: _____ ft. ☐N. ☐S. _____ ft. ☐E. ☐W.	Well Name: MW-13
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No.: PN979 / DNR Well ID No.: ____
Facility ID	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed: 09/26/2000 (m m d d y y y y)
Type of Well: Monitoring Well; Well Code: 1	Section Location of Waste/Source: NE 1/4 of NW 1/4 of Sec. 35, T. 24 N, R. 20 ☒E ☐W	Well Installed By: Name (first, last) and Firm: Gary MES
Distance from Waste/Source _____ ft. / Enf. Stds. Apply ☒	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☒ Not Known	Gov. Lot Number: _____

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation _____ ft. MSL

C. Land surface elevation _____ ft. MSL

D. Surface seal, bottom _____ ft. MSL or 2.0 ft.

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

13. Sieve analysis performed? ☐ Yes ☒ No

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

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

16. Drilling additives used? ☐ Yes ☒ No

Describe N/A

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

E. Bentonite seal, top _____ ft. MSL or 2.0 ft.

F. Fine sand, top _____ ft. MSL or 5.0 ft.

G. Filter pack, top _____ ft. MSL or 6.0 ft.

H. Screen joint, top _____ ft. MSL or 7.0 ft.

I. Well bottom _____ ft. MSL or 17.0 ft.

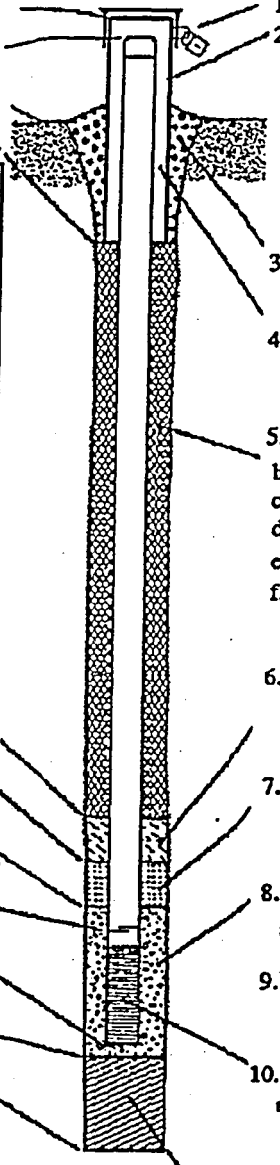
J. Filter pack, bottom _____ ft. MSL or 17.0 ft.

K. Borehole, bottom _____ ft. MSL or 17.0 ft.

L. Borehole, diameter 8.0 in.

M. O.D. well casing 2.38 in.

N. I.D. well casing 2.07 in.



1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 12.0 in.
b. Length: 1.5 ft.
c. Material: Steel ☒ 04; Other ☐ _____
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____

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

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

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. 40 Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31
d. _____ % Bentonite ..... Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☒ 08

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

7. Fine sand material: Manufacturer, product name & mesh size
a. #45-55 Red Flint
b. Volume added .34 ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. #30 Red Flint
b. Volume added 3.48 ft^3

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

10. Screen material: PVC
a. Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐ _____
b. Manufacturer Oreclich
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.

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

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

Signature _____ Firm Enviroscan

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

State of Wisconsin
Department of Natural Resources

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

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Ness Property	Local Grid Location of Well: _____ ft. ☐N. ☐S. _____ ft. ☐E. ☐W.	Well Name: MW-14
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No.: IY696 / DNR Well ID No.: ____
Facility ID: _____	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed: 09/26/2000 (m m d d y y y y)
Type of Well: Monitoring well; Well Code: 1	Section Location of Waste/Source: NE 1/4 of NW 1/4 of Sec. 35 T. 24 N, R. 20 ■E ☐W	Well Installed By: Name (first, last) and Firm: Gary / MES
Distance from Waste/Source _____ ft. / Enf. Stds. Apply ■	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ■ Not Known	Gov. Lot Number: _____

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation _____ ft. MSL

C. Land surface elevation _____ ft. MSL

D. Surface seal, bottom _____ ft. MSL or 20 ft.

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

13. Sieve analysis performed? ☐ Yes ■ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ■ 41; Other ☐ _____

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

16. Drilling additives used? ☐ Yes ■ No

Describe N/A

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

E. Bentonite seal, top _____ ft. MSL or 20 ft.

F. Fine sand, top _____ ft. MSL or 50 ft.

G. Filter pack, top _____ ft. MSL or 60 ft.

H. Screen joint, top _____ ft. MSL or 70 ft.

I. Well bottom _____ ft. MSL or 170 ft.

J. Filter pack, bottom _____ ft MSL or 170 ft.

K. Borehole, bottom _____ ft MSL or 170 ft.

L. Borehole, diameter 8.0 in.

M. O.D. well casing 2.38 in.

N. I.D. well casing 2.07 in.

1. Cap and lock? ■ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 12.0 in.
b. Length: 2.5 ft.
c. Material: Steel ■ 04; Other ☐ _____
d. Additional protection? ☐ Yes ■ No
If yes, describe: _____

3. Surface seal: Bentonite ☐ 30; Concrete ■ 01; Other ☐ _____

4. Material between well casing and protective pipe: Bentonite ■ 30; Other ☐ _____

5. Annular space seal: a. Granular/Chipped Bentonite ■ 33
b. 40 Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31
d. _____ % Bentonite ..... Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ■ 08

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

7. Fine sand material: Manufacturer, product name & mesh size
a. #45-55 Red Flint
b. Volume added .34 ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. #30 Red Flint
b. Volume added 3.48 ft^3

9. Well casing: Flush threaded PVC schedule 40 ■ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐ _____

10. Screen material: PVC
a. Screen type: Factory cut ■ 11; Continuous slot ☐ 01; Other ☐ _____
b. Manufacturer Oreidich
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.

11. Backfill material (below filter pack): None ■ 14; Other ☐ _____

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

Signature: _____ Firm: Enviroscan

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

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

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

Facility/Project Name	County Name	Well Name
Ness Service Center Site	Brown	MW-10

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	05	JY_____	____

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

2. Well development method

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

3. Time spent developing well ___15 min.

4. Depth of well (from top of well casisng) ___17.5 ft.

5. Inside diameter of well ___2.08 in.

6. Volume of water in filter pack and well casing ___3.0 gal.

7. Volume of water removed from well ___15.0 gal.

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

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. ___6.25 ft.	___9.63 ft.
Date	b. 05/08/2001 (m m d d y y y y)	05/08/2001 (m m d d y y y y)
Time	c. 12:00 ☐ a.m. ■ p.m.	12:15 ☐ a.m. ■ p.m.
12. Sediment in well bottom	___0.0 inches	___0.0 inches
13. Water clarity	Clear ■ 10 Turbid ☐ 15 (Describe)	Clear ■ 20 Turbid ☐ 25 (Describe)

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

14. Total suspended solids	___NA___ mg/l	___NA___ mg/l
15. COD	___NA___ mg/l	___NA___ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Bill Last Name: Marco
Firm: Jayco

17. Additional comments on development:
No Odor

Name and Address of Facility Contact/Owner/Responsible Party
First Name: James Last Name: Nuthals
Facility/Firm: Envirogen Inc.
Street: 790 Marvelle Ln
City/State/Zip: Green Bay, WI 54304

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: _____
Print Name: James Nuthals
Firm: Envirogen Inc.

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

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

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

Facility/Project Name	County Name	Well Name
Ness Service Center Site	Brown	MW-11

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	05	PN-978	____

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

2. Well development method

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

3. Time spent developing well 15 min.

4. Depth of well (from top of well casisng) 15.4 ft.

5. Inside diameter of well 2.08 in.

6. Volume of water in filter pack and well casing 2.0 gal.

7. Volume of water removed from well 7.0 gal.

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

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 4.80 ft.	9.37 ft.
Date	b. 10/20/2000 (m m d d y y y y)	10/20/2000 (m m d d y y y y)
Time	c. 10:15 ■ a.m. ☐ p.m.	10:30 ■ a.m. ☐ p.m.
12. Sediment in well bottom	0.1 inches	0.0 inches
13. Water clarity	Clear ■ 10 Turbid ☐ 15 (Describe)	Clear ■ 20 Turbid ☐ 25 (Describe)

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

14. Total suspended solids	NA mg/l	NA. mg/l
15. COD	NA mg/l	NA. mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Bill Last Name: Marco
Firm: Javco

17. Additional comments on development:
Strong Odor

Name and Address of Facility Contact/Owner/Responsible Party
First Name: James Last Name: Nuthals
Facility/Firm: Envirogen Inc.
Street: 790 Marvelle Ln
City/State/Zip: Green Bay, WI. 54304

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: _____
Print Name: James Nuthals
Firm: Envirogen Inc.

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

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

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

Facility/Project Name	County Name	Well Name
Ness Service Center Site	Brown	MW-12

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	05	JY-700	____

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

2. Well development method

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

3. Time spent developing well ___15 min.

4. Depth of well (from top of well casing) __17.5 ft.

5. Inside diameter of well __2.08 in.

6. Volume of water in filter pack and well casing ___3.0 gal.

7. Volume of water removed from well ___5.0 gal.

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

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. ___5.93 ft.	___6.26 ft.
Date	b. 10/20/2000 (m m d d y y y y)	10/20/2000 (m m d d y y y y)
Time	c. 10:00 ■ a.m. ☐ p.m.	10:15 ■ a.m. ☐ p.m.
12. Sediment in well bottom	___0.0 inches	___0.0 inches
13. Water clarity	Clear ■ 10 Turbid ☐ 15 (Describe)	Clear ■ 20 Turbid ☐ 25 (Describe)

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

14. Total suspended solids	___NA mg/l	___NA mg/l
15. COD	___NA mg/l	___NA mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Bill Last Name: Marco
Firm: Javco

17. Additional comments on development:
No odor

Name and Address of Facility Contact/Owner/Responsible Party
First Name: James Last Name: Nuthals
Facility/Firm: Envirogen Inc.
Street: 790 Marvelle Ln
City/State/Zip: Green Bay, WI. 54304

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: _____
Print Name: James Nuthals
Firm: Envirogen Inc.

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

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

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

Facility/Project Name	County Name	Well Name
Ness Service Center Site	Brown	MW-13
Facility License, Permit or Monitoring Number	**County Code**	**Wis. Unique Well Number**	**DNR Well ID Number**
	05	PN-979	____

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

2. Well development method

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

Time spent developing well 15 min.

4. Depth of well (from top of well casing) 17.4 ft.

5. Inside diameter of well 2.08 in.

6. Volume of water in filter pack and well casing 3.0 gal.

7. Volume of water removed from well 7.0 gal.

Volume of water added (if any) NA gal.

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 5.85 ft.	9.40 ft.
Date	b. 10/20/2000 (m m d d y y y y)	10/20/2000 (m m d d y y y y)
Time	c. 9:45 ■ a.m. ☐ p.m.	10:00 ■ a.m. ☐ p.m.
12. Sediment in well bottom	0.0 inches	0.0 inches
13. Water clarity	Clear ■ 10 Turbid ☐ 15 (Describe)	Clear ■ 20 Turbid ☐ 25 (Describe)

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

14. Total suspended solids	NA mg/l	NA mg/l
15. COD	NA mg/l	NA mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Bill Last Name: Marco
Firm: Javco

17. Additional comments on development:
No odor

Name and Address of Facility Contact/Owner/Responsible Party
First Name: James Last Name: Nuthals
Facility/Firm: Envirogen Inc.
Street: 790 Marvelle Ln
City/State/Zip: Green Bay, WI. 54304

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: _____
Print Name: James Nuthals
Firm: Envirogen Inc.

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

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

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

Facility/Project Name	County Name	Well Name
Ness Service Center Site	Brown	MW-14
Facility License, Permit or Monitoring Number	**County Code**	**Wis. Unique Well Number**	**DNR Well ID Number**
	05	JY-696	____

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

2. Well development method

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

3. Time spent developing well ___15___ min.

4. Depth of well (from top of well casisng) ___17.1___ ft.

5. Inside diameter of well ___2.08___ in.

6. Volume of water in filter pack and well casing ___0.5___ gal.

7. Volume of water removed from well ___0.5___ gal.

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

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 16.53 ft.	DRY ft.
Date	b. 11/30/2000 (m m d d y y y y)	11/30/2000 (m m d d y y y y)
Time	c. 9:30 ■ a.m. ☐ p.m.	9:45 ■ a.m. ☐ p.m.
12. Sediment in well bottom	0.0 inches	0.0 inches
13. Water clarity	Clear ☐ 10 Turbid ■ 15 (Describe) Mucky	Clear ☐ 20 Turbid ■ 25 (Describe) Mucky

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

14. Total suspended solids	NA mg/l	NA mg/l
15. COD	NA mg/l	NA mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Bill Last Name: Marco
Firm: Javco

17. Additional comments on development:
No Odor

Name and Address of Facility Contact/Owner/Responsible Party
First Name: James Last Name: Nuthals
Facility/Firm: Envirogen Inc.
Street: 790 Marvelle Ln
City/State/Zip: Green Bay, WI. 54304

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: _____
Print Name: James Nuthals
Firm: Envirogen Inc.

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

APPENDIX E

Groundwater Sample Laboratory Analytical Reports

U.S. Analytical Lab

KRIS BAREN
ENVIROGEN
790 MARVELLE LANE
GREEN BAY WI 54304

Project # 990423
Project Name GREEN BAY
Invoice # E39140

Report Date *19-Apr-02*

Analyte	Result	Units	LOD	LOQ	Dil	Run Date	Method	Analyst	QC Code
Lab Code 5039140A						**Sample Type** Water			
Sample ID MW-1						**Sample Date** 4/15/2002			
Organic									
PVOC + Naphthalene									
Benzene	100	ug/l	0.43	1.4	1	4/17/2002	RO95/802	CAH	1
Ethylbenzene	150	ug/l	0.49	1.6	1	4/17/2002	RO95/802	CAH	1
MTBE	43	ug/l	0.49	1.6	1	4/17/2002	RO95/802	CAH	1
Naphthalene	32	ug/l	1.4	4.6	1	4/17/2002	RO95/802	CAH	1
Toluene	6	ug/l	0.63	2	1	4/17/2002	RO95/802	CAH	1
1,2,4-Trimethylbenzene	18	ug/l	0.42	1.3	1	4/17/2002	RO95/802	CAH	1
1,3,5-Trimethylbenzene	3	ug/l	0.72	2.3	1	4/17/2002	RO95/802	CAH	1
Xylene's	34	ug/l	1.5	4.4	1	4/17/2002	RO95/802	CAH	1
Lab Code 5039140B						**Sample Type** Water			
Sample ID MW-10						**Sample Date** 4/15/2002			
Organic									
PVOC									
Benzene	< 0.43	ug/l	0.43	1.4	1	4/17/2002	RO95/802	CAH	1
Ethylbenzene	< 0.49	ug/l	0.49	1.6	1	4/17/2002	RO95/802	CAH	1
MTBE	< 0.49	ug/l	0.49	1.6	1	4/17/2002	RO95/802	CAH	1
Toluene	< 0.63	ug/l	0.63	2	1	4/17/2002	RO95/802	CAH	1
1,2,4-Trimethylbenzene	< 0.42	ug/l	0.42	1.3	1	4/17/2002	RO95/802	CAH	1
1,3,5-Trimethylbenzene	< 0.72	ug/l	0.72	2.3	1	4/17/2002	RO95/802	CAH	1
Xylene's	< 1.5	ug/l	1.5	4.4	1	4/17/2002	RO95/802	CAH	1
Lab Code 5039140C						**Sample Type** Water			
Sample ID MW-11						**Sample Date** 4/15/2002			
Organic									
PVOC + Naphthalene									
Benzene	650	ug/l	4.3	14	10	4/18/2002	RO95/802	CAH	1
Ethylbenzene	210	ug/l	4.9	16	10	4/18/2002	RO95/802	CAH	1
MTBE	16 "J"	ug/l	4.9	16	10	4/18/2002	RO95/802	CAH	1
Naphthalene	20 "J"	ug/l	14	46	10	4/18/2002	RO95/802	CAH	1
Toluene	47	ug/l	6.3	20	10	4/18/2002	RO95/802	CAH	1
1,2,4-Trimethylbenzene	48	ug/l	4.2	13	10	4/18/2002	RO95/802	CAH	1
1,3,5-Trimethylbenzene	< 7.2	ug/l	7.2	23	10	4/18/2002	RO95/802	CAH	1
Xylene's	86	ug/l	15	44	10	4/18/2002	RO95/802	CAH	1

U.S. Analytical Lab

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ENVIROGEN
790 MARVELLE LANE
GREEN BAY WI 54304

Project # 990423
Project Name GREEN BAY
Invoice # E39140

Report Date *19-Apr-02*

Analyte	Result	Units	LOD	LOQ	Dil	Run Date	Method	Analyst	QC Code
Lab Code 5039140D						**Sample Type** Water			
Sample ID MW-11B						**Sample Date** 4/15/2002			
Organic									
PVOC + Naphthalene									
Benzene	650	ug/l	4.3	14	10	4/18/2002	RO95/802	CAH	1
Ethylbenzene	210	ug/l	4.9	16	10	4/18/2002	RO95/802	CAH	1
MTBE	15 "J"	ug/l	4.9	16	10	4/18/2002	RO95/802	CAH	1
Naphthalene	21 "J"	ug/l	14	46	10	4/18/2002	RO95/802	CAH	1
Toluene	51	ug/l	6.3	20	10	4/18/2002	RO95/802	CAH	1
1,2,4-Trimethylbenzene	46	ug/l	4.2	13	10	4/18/2002	RO95/802	CAH	1
1,3,5-Trimethylbenzene	< 7.2	ug/l	7.2	23	10	4/18/2002	RO95/802	CAH	1
Xylene's	86	ug/l	15	44	10	4/18/2002	RO95/802	CAH	1
Lab Code 5039140E						**Sample Type** Water			
Sample ID MW-12						**Sample Date** 4/15/2002			
Organic									
PVOC									
Benzene	< 0.43	ug/l	0.43	1.4	1	4/17/2002	RO95/802	CAH	1
Ethylbenzene	< 0.49	ug/l	0.49	1.6	1	4/17/2002	RO95/802	CAH	1
MTBE	< 0.49	ug/l	0.49	1.6	1	4/17/2002	RO95/802	CAH	1
Toluene	< 0.63	ug/l	0.63	2	1	4/17/2002	RO95/802	CAH	1
1,2,4-Trimethylbenzene	< 0.42	ug/l	0.42	1.3	1	4/17/2002	RO95/802	CAH	1
1,3,5-Trimethylbenzene	< 0.72	ug/l	0.72	2.3	1	4/17/2002	RO95/802	CAH	1
Xylene's	< 1.5	ug/l	1.5	4.4	1	4/17/2002	RO95/802	CAH	1
Lab Code 5039140F						**Sample Type** Water			
Sample ID MW-13						**Sample Date** 4/15/2002			
Organic									
PVOC									
Benzene	< 0.43	ug/l	0.43	1.4	1	4/17/2002	RO95/802	CAH	1
Ethylbenzene	< 0.49	ug/l	0.49	1.6	1	4/17/2002	RO95/802	CAH	1
MTBE	1.1 "J"	ug/l	0.49	1.6	1	4/17/2002	RO95/802	CAH	1
Toluene	< 0.63	ug/l	0.63	2	1	4/17/2002	RO95/802	CAH	1
1,2,4-Trimethylbenzene	< 0.42	ug/l	0.42	1.3	1	4/17/2002	RO95/802	CAH	1
1,3,5-Trimethylbenzene	< 0.72	ug/l	0.72	2.3	1	4/17/2002	RO95/802	CAH	1
Xylene's	< 1.5	ug/l	1.5	4.4	1	4/17/2002	RO95/802	CAH	1

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Report Date *19-Apr-02*

Analyte	Result	Units	LOD	LOQ	Dil	Run Date	Method	Analyst	QC Code
Lab Code 5039140G						**Sample Type** Water			
Sample ID MW-14						**Sample Date** 4/15/2002			
Organic									
PVOC									
Benzene	< 0.43	ug/l	0.43	1.4	1	4/17/2002	RO95/802	CAH	1
Ethylbenzene	< 0.49	ug/l	0.49	1.6	1	4/17/2002	RO95/802	CAH	1
MTBE	< 0.49	ug/l	0.49	1.6	1	4/17/2002	RO95/802	CAH	1
Toluene	< 0.63	ug/l	0.63	2	1	4/17/2002	RO95/802	CAH	1
1,2,4-Trimethylbenzene	< 0.42	ug/l	0.42	1.3	1	4/17/2002	RO95/802	CAH	1
1,3,5-Trimethylbenzene	< 0.72	ug/l	0.72	2.3	1	4/17/2002	RO95/802	CAH	1
Xylene's	< 1.5	ug/l	1.5	4.4	1	4/17/2002	RO95/802	CAH	1
Lab Code 5039140H						**Sample Type** Water			
Sample ID TRIP BLANK						**Sample Date** 4/15/2002			
Organic									
PVOC									
Benzene	< 0.43	ug/l	0.43	1.4	1	4/17/2002	RO95/802	CAH	1
Ethylbenzene	< 0.49	ug/l	0.49	1.6	1	4/17/2002	RO95/802	CAH	1
MTBE	< 0.49	ug/l	0.49	1.6	1	4/17/2002	RO95/802	CAH	1
Toluene	< 0.63	ug/l	0.63	2	1	4/17/2002	RO95/802	CAH	1
1,2,4-Trimethylbenzene	< 0.42	ug/l	0.42	1.3	1	4/17/2002	RO95/802	CAH	1
1,3,5-Trimethylbenzene	< 0.72	ug/l	0.72	2.3	1	4/17/2002	RO95/802	CAH	1
Xylene's	< 1.5	ug/l	1.5	4.4	1	4/17/2002	RO95/802	CAH	1

LOD Limit of Detection "J" Flag: Analyte detected between LOD and LOQ LOQ Limit of Quantitation

Code	*Comment*
1	All laboratory QC requirements were met for this sample.

Authorized Signature

CHAIN OF CUSTODY RECORD

U.S. Analytical Lab
1090 Kennedy Ave. • Kimberly, WI 54136
(920) 735-8295 • FAX 920-739-1738 • 800-490-4902
LAB@USOIL.COM

Rev. Date: 12-17-98

Chain # No 24706

Page 1 of 1

Lab I.D. # 503-9140

Account No. : Quote No.:

Project #: 990423

Sampler: (signature)

Sample Integrity - To be completed by receiving lab.
Method of Shipment: Courier Temp. of Temp. Blank. ___ °C On Ice: Y
Cooler seal intact upon receipt: X Yes ___ No Labcoded By: GL

Project (Name / Location): Green Bay PECFA

Reports To: Mark Love	Invoice To: Same
Company Envirogen Inc.	Company
Address 790 Marvelle Ln	Address
City State Zip Green Bay, WI 54304	City State Zip
Phone (920) 497-8910	Phone

Sample Handling Request

___ Rush Analysis Date Required ____

X Normal Turn Around

Analysis Requested

Lab I.D.	Sample I.D.	Collection Date	Collection Time	No. of Containers Size and Type	Description*	Preservation	DRO (Mod/TPH)	GRO (Mod/TPH)	PVOC (EPA 8021)	BTEX (EPA 8021)	VOC (EPA 8021)	VOC (EPA 8260)	VOC DW (EPA 524.2)	O&G (EPA 413.1)	PAH (EPA 8310)	Pb	Flash Point	Other Analysis: Naphthalene	Other Analysis	Other Analysis	Other Analysis	Other Analysis	PID/ FID
A	MW-1	4/15/02	11:30	3 (40ml)	HCL	GW			X									X					
B	MW-10		10:30																				
C	MW-11		11:45															X					
D	MW-11b		11:50															X					
E	MW-12		11:15																				
F	MW-13		11:00																				
G	MW-14		10:45																				
H	T.B.		—	2 (40ml)																			

Department Use Only
Split Samples: Offered ? ___ Yes ___ No
Accepted? ___ Yes ___ No
Accepted By:

Department Use Optional for Soil Samples
Disposition of unused portion of sample
Lab Should:
___ Dispose ___ Retain for ___ days
___ Return ___ Other

Comments/ Special Instructions
*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", etc.

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
	17:16	4/16/02	Clay Paquette	17:16	4/16/02
Clay Paquette	18:15	4/16/02			

Received in Laboratory By: Time: 1815 Date: 4/16/02

U.S. Analytical Lab

MARK LOVE
ENVIROGEN
790 MARVELLE LANE
GREEN BAY WI 54304

Project # 990423
Project Name PECFA
Invoice # E35954

Report Date *09-Jan-02*

Analyte	Result	Units	LOD	LOQ	Dil	Run Date	Method	Analyst	QC Code
Lab Code 5035954A						**Sample Type** Water			
Sample ID MW-1						**Sample Date** 12/10/2001			
Inorganic									
General									
Alkalinity	386	mg/l	3.1	10	1	12/18/2001	310.2	DAW	1
Nitrogen (Nitrate-Nitrite)	0.3	mg/l	0.02	0.07	10	12/31/2001	300.0	JDB	1
Sulfate	36	mg/l	0.24	0.79	10	12/28/2001	300.0	JDB	1
Metals									
Iron	2.2	mg/l	0.139	0.46	1	12/28/2001	6010B	DLB	1
Manganese	0.081	mg/l	0.017	0.057	1	12/28/2001	6010B	DLB	1
Organic									
PVOC + Naphthalene									
Benzene	38	ug/l	0.21	0.67	1	12/17/2001	8021A	CAH	1
Ethylbenzene	63	ug/l	0.22	0.7	1	12/17/2001	8021A	CAH	1
MTBE	12	ug/l	0.46	1.5	1	12/17/2001	8021A	CAH	1
Naphthalene	14	ug/l	0.22	0.69	1	12/17/2001	8021A	CAH	1
Toluene	2.5	ug/l	0.41	1.3	1	12/17/2001	8021A	CAH	1
1,2,4-Trimethylbenzene	0.82 "J"	ug/l	0.26	0.84	1	12/17/2001	8021A	CAH	1
1,3,5-Trimethylbenzene	0.62 "J"	ug/l	0.34	1.1	1	12/17/2001	8021A	CAH	1
m&p-Xylene	4.9	ug/l	0.43	1.4	1	12/17/2001	8021A	CAH	1
o-Xylene	0.32 "J"	ug/l	0.26	0.82	1	12/17/2001	8021A	CAH	1
Lab Code 5035954B						**Sample Type** Water			
Sample ID MW-10						**Sample Date** 12/10/2001			
Inorganic									
General									
Alkalinity	251	mg/l	3.1	10	1	12/18/2001	310.2	DAW	1
Nitrogen (Nitrate-Nitrite)	0.089	mg/l	0.02	0.07	10	1/3/2002	300.0	JDB	1
Sulfate	460	mg/l	24	79	1000	12/28/2001	300.0	JDB	1
Metals									
Iron	< 0.139	mg/l	0.139	0.46	1	12/28/2001	6010B	DLB	1
Manganese	0.07	mg/l	0.017	0.057	1	12/28/2001	6010B	DLB	1
Organic									
PVOC									
Benzene	< 0.21	ug/l	0.21	0.67	1	12/17/2001	8021A	CAH	1
Ethylbenzene	0.3 "J"	ug/l	0.22	0.7	1	12/17/2001	8021A	CAH	1
MTBE	< 0.46	ug/l	0.46	1.5	1	12/17/2001	8021A	CAH	1

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790 MARVELLE LANE
GREEN BAY WI 54304

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Analyte	Result	Units	LOD	LOQ	Dil	Run Date	Method	Analyst	QC Code
Lab Code 5035954B						**Sample Type** Water			
Sample ID MW-10						**Sample Date** 12/10/2001			
Toluene	< 0.41	ug/l	0.41	1.3	1	12/17/2001	8021A	CAH	1
1,2,4-Trimethylbenzene	0.51 "J"	ug/l	0.26	0.84	1	12/17/2001	8021A	CAH	1
1,3,5-Trimethylbenzene	0.42 "J"	ug/l	0.34	1.1	1	12/17/2001	8021A	CAH	1
m&p-Xylene	1.4	ug/l	0.43	1.4	1	12/17/2001	8021A	CAH	1
o-Xylene	0.62 "J"	ug/l	0.26	0.82	1	12/17/2001	8021A	CAH	1
Lab Code 5035954C						**Sample Type** Water			
Sample ID MW-11						**Sample Date** 12/10/2001			
Inorganic									
General									
Alkalinity	453	mg/l	3.1	10	1	12/18/2001	310.2	DAW	1
Nitrogen (Nitrate-Nitrite)	< 0.02	mg/l	0.02	0.07	10	1/3/2002	300.0	JDB	1
Sulfate	24	mg/l	0.24	0.79	10	12/28/2001	300.0	JDB	1
Metals									
Iron	0.27	mg/l	0.139	0.46	1	12/28/2001	6010B	DLB	1
Manganese	0.37	mg/l	0.017	0.057	1	12/28/2001	6010B	DLB	1
Organic									
PVOC + Naphthalene									
Benzene	800	ug/l	2.1	6.7	10	12/16/2001	8021A	CAH	1
Ethylbenzene	88	ug/l	2.2	7	10	12/16/2001	8021A	CAH	1
MTBE	11 "J"	ug/l	4.6	15	10	12/16/2001	8021A	CAH	1
Naphthalene	14	ug/l	2.2	6.9	10	12/16/2001	8021A	CAH	1
Toluene	7 "J"	ug/l	4.1	13	10	12/16/2001	8021A	CAH	1
1,2,4-Trimethylbenzene	15	ug/l	2.6	8.4	10	12/16/2001	8021A	CAH	1
1,3,5-Trimethylbenzene	3.7 "J"	ug/l	3.4	11	10	12/16/2001	8021A	CAH	1
m&p-Xylene	32	ug/l	4.3	14	10	12/16/2001	8021A	CAH	1
o-Xylene	4.5 "J"	ug/l	2.6	8.2	10	12/16/2001	8021A	CAH	1
Lab Code 5035954D						**Sample Type** Water			
Sample ID MW-12						**Sample Date** 12/10/2001			
Inorganic									
General									
Alkalinity	431	mg/l	3.1	10	1	12/18/2001	310.2	DAW	1
Nitrogen (Nitrate-Nitrite)	< 0.02	mg/l	0.02	0.07	10	1/3/2002	300.0	JDB	1
Sulfate	130	mg/l	2.4	7.9	100	12/28/2001	300.0	JDB	1

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GREEN BAY WI 54304

Project # 990423
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Analyte	Result	Units	LOD	LOQ	Dil	Run Date	Method	Analyst	QC Code
Lab Code 5035954D						**Sample Type** Water			
Sample ID MW-12						**Sample Date** 12/10/2001			
Metals									
Iron	0.15	mg/l	0.139	0.46	1	12/28/2001	6010B	DLB	1
Manganese	0.058	mg/l	0.017	0.057	1	12/28/2001	6010B	DLB	1
Organic									
PVOC									
Benzene	< 0.21	ug/l	0.21	0.67	1	12/17/2001	8021A	CAH	1
Ethylbenzene	< 0.22	ug/l	0.22	0.7	1	12/17/2001	8021A	CAH	1
MTBE	< 0.46	ug/l	0.46	1.5	1	12/17/2001	8021A	CAH	1
Toluene	< 0.41	ug/l	0.41	1.3	1	12/17/2001	8021A	CAH	1
1,2,4-Trimethylbenzene	0.63 "J"	ug/l	0.26	0.84	1	12/17/2001	8021A	CAH	1
1,3,5-Trimethylbenzene	0.37 "J"	ug/l	0.34	1.1	1	12/17/2001	8021A	CAH	1
m&p-Xylene	0.79 "J"	ug/l	0.43	1.4	1	12/17/2001	8021A	CAH	1
o-Xylene	0.52 "J"	ug/l	0.26	0.82	1	12/17/2001	8021A	CAH	1
Lab Code 5035954E						**Sample Type** Water			
Sample ID MW-13						**Sample Date** 12/10/2001			
Inorganic									
General									
Alkalinity	295	mg/l	3.1	10	1	12/18/2001	310.2	DAW	1
Nitrogen (Nitrate-Nitrite)	< 0.02	mg/l	0.02	0.07	10	12/28/2001	300.0	JDB	1
Sulfate	290	mg/l	2.4	7.9	100	12/28/2001	300.0	JDB	1
Metals									
Iron	1.9	mg/l	0.139	0.46	1	12/20/2001	6010B	JLA	1
Manganese	0.085	mg/l	0.017	0.057	1	12/20/2001	6010B	JLA	1
Organic									
PVOC									
Benzene	< 0.21	ug/l	0.21	0.67	1	12/17/2001	8021A	CAH	1 72
Ethylbenzene	0.37 "J"	ug/l	0.22	0.7	1	12/17/2001	8021A	CAH	1 72
MTBE	1.2 "J"	ug/l	0.46	1.5	1	12/17/2001	8021A	CAH	1 72
Toluene	< 0.41	ug/l	0.41	1.3	1	12/17/2001	8021A	CAH	1 72
1,2,4-Trimethylbenzene	1.4	ug/l	0.26	0.84	1	12/17/2001	8021A	CAH	1 72
1,3,5-Trimethylbenzene	0.65 "J"	ug/l	0.34	1.1	1	12/17/2001	8021A	CAH	1 72
m&p-Xylene	2	ug/l	0.43	1.4	1	12/17/2001	8021A	CAH	1 72
o-Xylene	0.85	ug/l	0.26	0.82	1	12/17/2001	8021A	CAH	1 72

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Analyte	Result	Units	LOD	LOQ	Dil	Run Date	Method	Analyst	QC Code
Lab Code 5035954F						**Sample Type** Water			
Sample ID MW-14						**Sample Date** 12/10/2001			
Inorganic									
General									
Alkalinity	57	mg/l	3.1	10	1	12/18/2001	310.2	DAW	1
Nitrogen (Nitrate-Nitrite)	< 0.02	mg/l	0.02	0.07	10	12/28/2001	300.0	JDB	1
Sulfate	600	mg/l	24	79	1000	12/28/2001	300.0	JDB	1
Metals									
Iron	< 0.139	mg/l	0.139	0.46	1	12/28/2001	6010B	DLB	1
Manganese	0.25	mg/l	0.017	0.057	1	12/28/2001	6010B	DLB	1
Organic									
PVOC									
Benzene	< 0.21	ug/l	0.21	0.67	1	12/17/2001	8021A	CAH	1
Ethylbenzene	0.33 "J"	ug/l	0.22	0.7	1	12/17/2001	8021A	CAH	1
MTBE	< 0.46	ug/l	0.46	1.5	1	12/17/2001	8021A	CAH	1
Toluene	< 0.41	ug/l	0.41	1.3	1	12/17/2001	8021A	CAH	1
1,2,4-Trimethylbenzene	1	ug/l	0.26	0.84	1	12/17/2001	8021A	CAH	1
1,3,5-Trimethylbenzene	0.51 "J"	ug/l	0.34	1.1	1	12/17/2001	8021A	CAH	1
m&p-Xylene	1.6	ug/l	0.43	1.4	1	12/17/2001	8021A	CAH	1
o-Xylene	0.71 "J"	ug/l	0.26	0.82	1	12/17/2001	8021A	CAH	1
Lab Code 5035954G						**Sample Type** Water			
Sample ID MW-1100						**Sample Date** 12/10/2001			
Organic									
PVOC									
Benzene	770	ug/l	2.1	6.7	10	12/18/2001	8021A	CAH	1
Ethylbenzene	76	ug/l	2.2	7	10	12/18/2001	8021A	CAH	1
MTBE	19	ug/l	4.6	15	10	12/18/2001	8021A	CAH	1
Toluene	< 4.1	ug/l	4.1	13	10	12/18/2001	8021A	CAH	1
1,2,4-Trimethylbenzene	6.3 "J"	ug/l	2.6	8.4	10	12/18/2001	8021A	CAH	1
1,3,5-Trimethylbenzene	< 3.4	ug/l	3.4	11	10	12/18/2001	8021A	CAH	1
m&p-Xylene	6.2 "J"	ug/l	4.3	14	10	12/18/2001	8021A	CAH	1
o-Xylene	< 2.6	ug/l	2.6	8.2	10	12/18/2001	8021A	CAH	1

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790 MARVELLE LANE
GREEN BAY WI 54304

Project # 990423
Project Name PECFA
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Report Date *09-Jan-02*

Analyte	Result	Units	LOD	LOQ	Dil	Run Date	Method	Analyst	QC Code
Lab Code 5035954H						**Sample Type** Water			
Sample ID DECON						**Sample Date** 12/10/2001			
Organic									
PVOC									
Benzene	< 0.21	ug/l	0.21	0.67	1	12/15/2001	8021A	CAH	1
Ethylbenzene	< 0.22	ug/l	0.22	0.7	1	12/15/2001	8021A	CAH	1
MTBE	< 0.46	ug/l	0.46	1.5	1	12/15/2001	8021A	CAH	1
Toluene	< 0.41	ug/l	0.41	1.3	1	12/15/2001	8021A	CAH	1
1,2,4-Trimethylbenzene	< 0.26	ug/l	0.26	0.84	1	12/15/2001	8021A	CAH	1
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1	12/15/2001	8021A	CAH	1
m&p-Xylene	< 0.43	ug/l	0.43	1.4	1	12/15/2001	8021A	CAH	1
o-Xylene	< 0.26	ug/l	0.26	0.82	1	12/15/2001	8021A	CAH	1
Lab Code 5035954I						**Sample Type** Water			
Sample ID TB						**Sample Date** 12/10/2001			
Organic									
PVOC									
Benzene	< 0.21	ug/l	0.21	0.67	1	12/15/2001	8021A	CAH	1
Ethylbenzene	< 0.22	ug/l	0.22	0.7	1	12/15/2001	8021A	CAH	1
MTBE	< 0.46	ug/l	0.46	1.5	1	12/15/2001	8021A	CAH	1
Toluene	< 0.41	ug/l	0.41	1.3	1	12/15/2001	8021A	CAH	1
1,2,4-Trimethylbenzene	< 0.26	ug/l	0.26	0.84	1	12/15/2001	8021A	CAH	1
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1	12/15/2001	8021A	CAH	1
m&p-Xylene	< 0.43	ug/l	0.43	1.4	1	12/15/2001	8021A	CAH	1
o-Xylene	< 0.26	ug/l	0.26	0.82	1	12/15/2001	8021A	CAH	1

LOD Limit of Detection "J" Flag: Analyte detected between LOD and LOQ LOQ Limit of Quantitation

Code	*Comment*
1	All laboratory QC requirements were met for this sample.
72	Sample pH greater than 2.0

Authorized Signature

CHAIN OF CUSTODY RECORD

Analytical Lab
1090 Kennedy Ave. • Kimberly, WI 54136
(920) 735-8295 • FAX 920-739-1738 • 800-490-4902
LAB@USOIL.COM

Rev. Date: 12-17-98

Chain # № 25567

Page ____ of ____

Lab I.D. #: 5035954

Account No.: Quote No.:

Project #: 990423

Sampler: (signature)

Sample Integrity - To be completed by receiving lab.
Method of Shipment: Courier Temp. of Temp. Blank. ____ °C On Ice: ✓
Cooler seal intact upon receipt: ✓ Yes ____ No Labcoded By: CM

Project (Name / Location): PECFA

Reports To: Mark Love	Invoice To:
Company Envirogen Inc.	Company Same
Address 790 Marvell Ln	Address
City State Zip Green Bay, WI 54304	City State Zip
Phone (920) 494-8910	Phone

Sample Handling Request

___ Rush Analysis Date Required ____

X Normal Turn Around

Analysis Requested

Lab I.D.	Sample I.D.	Collection Date	Collection Time	No. of Containers Size and Type	Description*	Preservation	DRO (Mod/TPH)	GRO (Mod/TPH)	PVOC (EPA 8021)	BTEX (EPA 8021)	VOC (EPA 8021)	VOC (EPA 8260)	VOC DW (EPA 524.2)	O&G (EPA 413.1)	PAH (EPA 8310)	Pb	Flash Point	Other Analysis: NO_2 + NO_3	Other Analysis: Alkalinity/Sulfate	Other Analysis: Fe/Mn	Other Analysis: Naphthalene	PID/FID
5035954 A	MW-1	12/10/01	2:00	3(40ml) 2(500ml) 1(250ml)	G W	HCL/H_2SO_4/HNO_3			X									X	X	X	X	
B	MW-10		12:45																			
C	MW-11		2:30																		X	
D	MW-12		1:30																			
E	MW-13		1:15																			
F	MW-14		1:00																			
G	MW-110		2:45	↓																		
H	DeIon		—	3(40ml)		HCL																
I	T.B.	↓	—	↓	↓	↓																

Department Use Only

Split Samples: Offered ? ____ Yes ____ No
Accepted? ____ Yes ____ No
Accepted By: _____

Comments/ Special Instructions
*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", etc.
Did not have Samples for NO_2+NO_3, Alkalinity/Sulfate, Fe/Mn for MW-110
** Date sampled say 12/5/01 / but is 12/10/01

Department Use Optional for Soil Samples

Disposition of unused portion of sample
Lab Should:
___ Dispose ____ Retain for ___ days
___ Return ____ Other

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
	7:15	12-11-01	Deo Haas	7:15	12-11-01
Deo Haas	3:30	12-11-01			

Received in Laboratory By: Christie Miller Time: 15:35 Date: 12/11/01

U.S. Analytical Lab

MATT LOVE
ENVIROGEN
790 MARVELLE LANE
GREEN BAY WI 54304

Project # 990423
Project Name GB
Invoice # E33297
NESS SERVICE

Report Date *21-May-01*

Analyte	Result	Units	LOD	LOQ	Dil	Run Date	Method	Analyst	QC Code
Lab Code 5033297A						**Sample Type** Water			
Sample ID MW-1						**Sample Date** 5/8/01			
Organic									
General									
Gasoline Range Organics	1200	ug/l	17	55	1	5/14/01	GRO95	CAH	1
PVOC + Naphthalene									
Benzene	32	ug/l	0.21	0.67	1	5/14/01	GRO95	CAH	1
Ethylbenzene	94	ug/l	0.22	0.7	1	5/14/01	GRO95	CAH	1
MTBE	13	ug/l	0.46	1.5	1	5/14/01	GRO95	CAH	1
Naphthalene	16	ug/l	0.22	0.69	1	5/14/01	GRO95	CAH	1
Toluene	2	ug/l	0.41	1.3	1	5/14/01	GRO95	CAH	1
1,2,4-Trimethylbenzene	12	ug/l	0.26	0.84	1	5/14/01	GRO95	CAH	1
1,3,5-Trimethylbenzene	2.3	ug/l	0.34	1.1	1	5/14/01	GRO95	CAH	1
Xylene's	14	ug/l	0.69	2.2	1	5/14/01	GRO95	CAH	1
Lab Code 5033297B						**Sample Type** Water			
Sample ID MW-10						**Sample Date** 5/8/01			
Organic									
VOC's									
Benzene	< 0.21	ug/l	0.21	0.67	1	5/16/01	8021A	CAH	1
Bromobenzene	< 0.21	ug/l	0.21	0.66	1	5/16/01	8021A	CAH	1
Bromodichloromethane	< 0.24	ug/l	0.24	0.75	1	5/16/01	8021A	CAH	1
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	1	5/16/01	8021A	CAH	1
sec-Butylbenzene	< 0.21	ug/l	0.21	0.68	1	5/16/01	8021A	CAH	1
n-Butylbenzene	< 0.13	ug/l	0.13	0.43	1	5/16/01	8021A	CAH	1
Carbon Tetrachloride	< 0.24	ug/l	0.24	0.77	1	5/16/01	8021A	CAH	1
Chlorobenzene	< 0.19	ug/l	0.19	0.59	1	5/16/01	8021A	CAH	1
Chloroethane	< 0.42	ug/l	0.42	1.3	1	5/16/01	8021A	CAH	1
Chloroform	< 0.23	ug/l	0.23	0.74	1	5/16/01	8021A	CAH	1
Chloromethane	< 0.63	ug/l	0.63	2	1	5/16/01	8021A	CAH	4
2-Chlorotoluene	< 0.28	ug/l	0.28	0.9	1	5/16/01	8021A	CAH	1
4-Chlorotoluene	< 0.28	ug/l	0.28	0.9	1	5/16/01	8021A	CAH	1
1,2-Dibromo-3-chloropropane	< 0.62	ug/l	0.62	2	1	5/16/01	8021A	CAH	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	5/16/01	8021A	CAH	1
1,4-Dichlorobenzene	< 0.2	ug/l	0.2	0.62	1	5/16/01	8021A	CAH	1
1,3-Dichlorobenzene	< 0.2	ug/l	0.2	0.62	1	5/16/01	8021A	CAH	1
1,2-Dichlorobenzene	< 0.19	ug/l	0.19	0.59	1	5/16/01	8021A	CAH	1
Dichlorodifluoromethane	< 0.39	ug/l	0.39	1.3	1	5/16/01	8021A	CAH	3 4

U.S. Analytical Lab

MATT LOVE
ENVIROGEN
790 MARVELLE LANE
GREEN BAY WI 54304

Project # 990423
Project Name GB
Invoice # E33297

Report Date *21-May-01*

Analyte	Result	Units	LOD	LOQ	Dil	Run Date	Method	Analyst	QC Code
Lab Code 5033297B						**Sample Type** Water			
Sample ID MW-10						**Sample Date** 5/8/01			
1,2-Dichloroethane	< 0.23	ug/l	0.23	0.73	1	5/16/01	8021A	CAH	1
1,1-Dichloroethane	< 0.24	ug/l	0.24	0.75	1	5/16/01	8021A	CAH	1
1,1-Dichloroethene	< 0.27	ug/l	0.27	0.86	1	5/16/01	8021A	CAH	1
cis-1,2-Dichloroethene	< 0.21	ug/l	0.21	0.67	1	5/16/01	8021A	CAH	1
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	1	5/16/01	8021A	CAH	1
1,2-Dichloropropane	< 0.24	ug/l	0.24	0.76	1	5/16/01	8021A	CAH	1
2,2-Dichloropropane	< 0.34	ug/l	0.34	1.1	1	5/16/01	8021A	CAH	1
Di-isopropyl ether	< 0.2	ug/l	0.2	0.62	1	5/16/01	8021A	CAH	1
EDB (1,2-Dibromoethane)	< 0.1	ug/l	0.1	0.31	1	5/16/01	8021A	CAH	2 4
Ethylbenzene	< 0.22	ug/l	0.22	0.7	1	5/16/01	8021A	CAH	1
Hexachlorobutadiene	< 0.21	ug/l	0.21	0.66	1	5/16/01	8021A	CAH	1
Isopropylbenzene	< 0.19	ug/l	0.19	0.6	1	5/16/01	8021A	CAH	1
p-Isopropyltoluene	< 0.16	ug/l	0.16	0.51	1	5/16/01	8021A	CAH	1
Methylene chloride	< 0.22	ug/l	0.22	0.7	1	5/16/01	8021A	CAH	1
MTBE	< 0.46	ug/l	0.46	1.5	1	5/16/01	8021A	CAH	1
Naphthalene	< 0.69	ug/l	0.22	0.69	1	5/16/01	8021A	CAH	1
n-Propylbenzene	< 0.18	ug/l	0.18	0.56	1	5/16/01	8021A	CAH	1
1,1,2,2-Tetrachloroethane	< 0.25	ug/l	0.25	0.81	1	5/16/01	8021A	CAH	1
1,3-DCP, Tetrachloroethene	< 0.45	ug/l	0.45	1.4	1	5/16/01	8021A	CAH	1
Tetrachloroethene	< 0.22	ug/l	0.22	0.69	1	5/16/01	8021A	CAH	1
Toluene	< 0.41	ug/l	0.41	1.3	1	5/16/01	8021A	CAH	1
1,2,4-Trichlorobenzene	< 0.15	ug/l	0.15	0.49	1	5/16/01	8021A	CAH	1
1,2,3-Trichlorobenzene	< 0.13	ug/l	0.13	0.41	1	5/16/01	8021A	CAH	1
1,1,1-Trichloroethane	< 0.26	ug/l	0.26	0.82	1	5/16/01	8021A	CAH	1
1,1,2-Trichloroethane	< 0.22	ug/l	0.22	0.71	1	5/16/01	8021A	CAH	1
Trichloroethene	< 0.24	ug/l	0.24	0.75	1	5/16/01	8021A	CAH	1
Trichlorofluoromethane	< 0.42	ug/l	0.42	1.3	1	5/16/01	8021A	CAH	2
1,2,4-Trimethylbenzene	< 0.26	ug/l	0.26	0.84	1	5/16/01	8021A	CAH	1
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1	5/16/01	8021A	CAH	1
Vinyl Chloride	< 0.25	ug/l	0.25	0.79	1	5/16/01	8021A	CAH	1
m&p-Xylene	< 0.43	ug/l	0.43	1.4	1	5/16/01	8021A	CAH	1
o-Xylene	< 0.26	ug/l	0.26	0.82	1	5/16/01	8021A	CAH	1

U.S. Analytical Lab

MATT LOVE
ENVIROGEN
790 MARVELLE LANE
GREEN BAY WI 54304

Project # 990423
Project Name GB
Invoice # E33297

Report Date *21-May-01*

Analyte	Result	Units	LOD	LOQ	Dil	Run Date	Method	Analyst	QC Code
Lab Code 5033297C						**Sample Type** Water			
Sample ID MW-11						**Sample Date** 5/8/01			
Organic									
General									
Gasoline Range Organics	2400	ug/l	170	550	10	5/16/01	GRO95	CAH	1
PVOC + Naphthalene									
Benzene	860	ug/l	2.1	6.7	10	5/16/01	GRO95	CAH	1
Ethylbenzene	220	ug/l	2.2	7	10	5/16/01	GRO95	CAH	1
MTBE	12 "J"	ug/l	4.6	15	10	5/16/01	GRO95	CAH	1
Naphthalene	18	ug/l	2.2	6.9	10	5/16/01	GRO95	CAH	1
Toluene	13 "J"	ug/l	4.1	13	10	5/16/01	GRO95	CAH	1
1,2,4-Trimethylbenzene	46	ug/l	2.6	8.4	10	5/16/01	GRO95	CAH	1
1,3,5-Trimethylbenzene	47	ug/l	3.4	11	10	5/16/01	GRO95	CAH	1
Xylene's	110	ug/l	6.9	22	10	5/16/01	GRO95	CAH	1
Lab Code 5033297D						**Sample Type** Water			
Sample ID MW-12						**Sample Date** 5/8/01			
Organic									
GRO/PVOC									
Gasoline Range Organics	< 100	ug/l	17	55	1	5/15/01	GRO95	CAH	1
Benzene	< 0.21	ug/l	0.21	0.67	1	5/15/01	GRO95	CAH	1
Ethylbenzene	0.32 "J"	ug/l	0.22	0.7	1	5/15/01	GRO95	CAH	1
MTBE	< 0.46	ug/l	0.46	1.5	1	5/15/01	GRO95	CAH	1
Toluene	< 0.41	ug/l	0.41	1.3	1	5/15/01	GRO95	CAH	1
1,2,4-Trimethylbenzene	< 0.26	ug/l	0.26	0.84	1	5/15/01	GRO95	CAH	1
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1	5/15/01	GRO95	CAH	1
Xylene's	< 0.69	ug/l	0.69	2.2	1	5/15/01	GRO95	CAH	1
Lab Code 5033297E						**Sample Type** Water			
Sample ID MW-13						**Sample Date** 5/8/01			
Organic									
GRO/PVOC									
Gasoline Range Organics	< 100	ug/l	17	55	1	5/15/01	GRO95	CAH	1
Benzene	< 0.21	ug/l	0.21	0.67	1	5/15/01	GRO95	CAH	1
Ethylbenzene	< 0.22	ug/l	0.22	0.7	1	5/15/01	GRO95	CAH	1
MTBE	2.4	ug/l	0.46	1.5	1	5/15/01	GRO95	CAH	1
Toluene	< 0.41	ug/l	0.41	1.3	1	5/15/01	GRO95	CAH	1

U.S. Analytical Lab

MATT LOVE
ENVIROGEN
790 MARVELLE LANE
GREEN BAY WI 54304

Project # 990423
Project Name GB
Invoice # E33297

Report Date *21-May-01*

Analyte	Result	Units	LOD	LOQ	Dil	Run Date	Method	Analyst	QC Code
Lab Code 5033297E						**Sample Type** Water			
Sample ID MW-13						**Sample Date** 5/8/01			
1,2,4-Trimethylbenzene	< 0.26	ug/l	0.26	0.84	1	5/15/01	GRO95	CAH	1
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1	5/15/01	GRO95	CAH	1
Xylene's	< 0.69	ug/l	0.69	2.2	1	5/15/01	GRO95	CAH	1
Lab Code 5033297F						**Sample Type** Water			
Sample ID MW-14						**Sample Date** 5/8/01			
Organic									
GRO/PVOC									
Gasoline Range Organics	< 100	ug/l	17	55	1	5/15/01	GRO95	CAH	1
Benzene	< 0.21	ug/l	0.21	0.67	1	5/15/01	GRO95	CAH	1
Ethylbenzene	< 0.22	ug/l	0.22	0.7	1	5/15/01	GRO95	CAH	1
MTBE	< 0.46	ug/l	0.46	1.5	1	5/15/01	GRO95	CAH	1
Toluene	< 0.41	ug/l	0.41	1.3	1	5/15/01	GRO95	CAH	1
1,2,4-Trimethylbenzene	< 0.26	ug/l	0.26	0.84	1	5/15/01	GRO95	CAH	1
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1	5/15/01	GRO95	CAH	1
Xylene's	< 0.69	ug/l	0.69	2.2	1	5/15/01	GRO95	CAH	1
Lab Code 5033297G						**Sample Type** Water			
Sample ID MW-21						**Sample Date** 5/8/01			
Organic									
PVOC									
Benzene	860	ug/l	2.1	6.7	10	5/16/01	GRO95	CAH	1
Ethylbenzene	220	ug/l	2.2	7	10	5/16/01	GRO95	CAH	1
MTBE	12 "J"	ug/l	4.6	15	10	5/16/01	GRO95	CAH	1
Toluene	13 "J"	ug/l	4.1	13	10	5/16/01	GRO95	CAH	1
1,2,4-Trimethylbenzene	47	ug/l	2.6	8.4	10	5/16/01	GRO95	CAH	1
1,3,5-Trimethylbenzene	48	ug/l	3.4	11	10	5/16/01	GRO95	CAH	1
Xylene's	110	ug/l	6.9	22	10	5/16/01	GRO95	CAH	1
Lab Code 5033297H						**Sample Type** Water			
Sample ID TRIP BLANK						**Sample Date** 5/8/01			
Organic									
PVOC									
Benzene	< 0.21	ug/l	0.21	0.67	1	5/14/01	GRO95	CAH	1
Ethylbenzene	< 0.22	ug/l	0.22	0.7	1	5/14/01	GRO95	CAH	1
MTBE	< 0.46	ug/l	0.46	1.5	1	5/14/01	GRO95	CAH	1

U.S. Analytical Lab

MATT LOVE
ENVIROGEN
790 MARVELLE LANE
GREEN BAY WI 54304

Project # 990423
Project Name GB
Invoice # E33297

Report Date *21-May-01*

Analyte	Result	Units	LOD	LOQ	Dil	Run Date	Method	Analyst	QC Code
Lab Code 5033297H						**Sample Type** Water			
Sample ID TRIP BLANK						**Sample Date** 5/8/01			
Toluene	< 0.41	ug/l	0.41	1.3	1	5/14/01	GRO95	CAH	1
1,2,4-Trimethylbenzene	< 0.26	ug/l	0.26	0.84	1	5/14/01	GRO95	CAH	1
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1	5/14/01	GRO95	CAH	1
Xylene's	< 0.69	ug/l	0.69	2.2	1	5/14/01	GRO95	CAH	1
Lab Code 5033297I						**Sample Type** Water			
Sample ID DECON						**Sample Date** 5/8/01			
Organic									
PVOC									
Benzene	< 0.21	ug/l	0.21	0.67	1	5/14/01	GRO95	CAH	1
Ethylbenzene	0.27 "J"	ug/l	0.22	0.7	1	5/14/01	GRO95	CAH	1
MTBE	< 0.46	ug/l	0.46	1.5	1	5/14/01	GRO95	CAH	1
Toluene	0.94 "J"	ug/l	0.41	1.3	1	5/14/01	GRO95	CAH	1
1,2,4-Trimethylbenzene	0.42 "J"	ug/l	0.26	0.84	1	5/14/01	GRO95	CAH	1
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1	5/14/01	GRO95	CAH	1
Xylene's	0.75 "J"	ug/l	0.69	2.2	1	5/14/01	GRO95	CAH	1

LOD Limit of Detection "J" Flag: Analyte detected between LOD and LOQ LOQ Limit of Quantitation

Code	*Comment*
1	All laboratory QC requirements were met for this sample.
2	The duplicate RPD failed to meet acceptable QC limits.
3	The spike recovery failed to meet acceptable QC limits.
4	The check standard failed to meet acceptable QC limits.

Authorized Signature

CHAIN OF CUSTODY RECORD

A. lytical Lab
1090 Kennedy Ave. • Kimberly, WI 54136
(920) 735-8295 • FAX 920-739-1738 • 800-490-4902
LAB@USOIL.COM

Rev. Date: 12-17-98

Chain # No 22767

Page 1 of 1

Lab I.D. # 5033297

Account No. : Quote No.:

Project #: 990423

Sampler: (signature) J. Matt

Project (Name / Location): G. B.

Sample Integrity - To be completed by receiving lab.
Method of Shipment: Courier Temp. of Temp. Blank. ___ °C On Ice: ✓
Cooler seal Intact upon receipt: ✓ Yes ___ No Labcoded By:

Reports To:	Mark Love
Company	Envirosen
Address	790 Marvell Ln
City State Zip	Green Bay, WI 54304
Phone	(920) 497-8910
Invoice To:	Same
Company	
Address	
City State Zip	
Phone	

Sample Handling Request

___ Rush Analysis Date Required ___

✓ Normal Turn Around

Analysis Requested

Lab I.D.	Sample I.D.	Collection Date	Collection Time	No. of Containers Size and Type	Description*	Preservation	DRO (Mod/TPH)	GRO (Mod/TPH)	PVOC (EPA 8021)	BTEX (EPA 8021)	VOC (EPA 8021)	VOC (EPA 8260)	O&G (EPA 413.1)	PAH (EPA 8310)	Pb	Flash Point	Other Analysis: Naphthalene					PID/ FID
5033297A	MW-1	5/8/01	1:15	3(40ml)	GW	HCL		X	X								X					
B	MW-10		12:00								X											
C	MW-11		1:30					X	X								X					
D	MW-12		1:00					X	X													
E	MW-13		12:45					X	X													
F	MW-14		12:30					X	X													
G	MW-21		1:30						X													
H	Trip Blank		1:30	2(40ml)					X													
I	DeCon		1:30						X													

Department Use Only

Split Samples: Offered? ___ Yes ___ No
Accepted? ___ Yes ___ No
Accepted By:

Department Use Optional for Soil Samples

Disposition of unused portion of sample
Lab Should: ___ Dispose ___ Retain for ___ days ___ Return ___ Other

Comments/ Special Instructions
*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", etc.

PECFA

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
	7:30	5-10-01	Doo Huss	7:30	5-10-01
Doo Huss	5:00	5-10-01			

Received in Laboratory By: Jessie Williams Time: 17:00 Date: 5/10/01

GREAT LAKES ANALYTICAL

140 East Ryan Road
Oak Creek, Wisconsin 53154

Email: info@glalabs.com
(414) 570-9460 FAX (414) 570-9461

Envirogen - Ashwabenon	Project:	990423	Sampled: 11/30/00
790 Marvelle Lne	Project Number:	990423	Received: 12/1/00
Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 12/18/00 13:10

WDNR Volatile Organic Compounds by Method 8021
Great Lakes Analytical--Oak Creek

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-14			**W012007-01**				**Water**	
Benzene	0120010	12/2/00	12/10/00		0.500	ND	ug/l	
Bromobenzene	"	"	"		5.00	ND	"	
Bromodichloromethane	"	"	"		0.500	ND	"	
n-Butylbenzene	"	"	"		5.00	ND	"	
sec-Butylbenzene	"	"	"		5.00	ND	"	
tert-Butylbenzene	"	"	"		5.00	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		5.00	ND	"	
Chloroethane	"	"	"		5.00	ND	"	
Chloroform	"	"	"		0.140	ND	"	
Chloromethane	"	"	"		0.600	ND	"	
2-Chlorotoluene	"	"	"		5.00	ND	"	
4-Chlorotoluene	"	"	"		5.00	ND	"	
Dibromochloromethane	"	"	"		5.00	ND	"	
1,2-Dibromo-3-chloropropane	"	"	"		0.390	ND	"	
1,2-Dibromoethane	"	"	"		0.380	ND	"	
1,2-Dichlorobenzene	"	"	"		5.00	ND	"	
1,3-Dichlorobenzene	"	"	"		5.00	ND	"	
1,4-Dichlorobenzene	"	"	"		5.00	ND	"	
Dichlorodifluoromethane	"	"	"		5.00	ND	"	
1,1-Dichloroethane	"	"	"		5.00	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		5.00	ND	"	
trans-1,2-Dichloroethene	"	"	"		5.00	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
1,3-Dichloropropane	"	"	"		5.00	ND	"	
2,2-Dichloropropane	"	"	"		5.00	ND	"	
Di-isopropyl ether	"	"	"		5.00	ND	"	
Ethylbenzene	"	"	"		5.00	ND	"	
Hexachlorobutadiene	"	"	"		10.0	ND	"	
Isopropylbenzene	"	"	"		5.00	ND	"	
p-Isopropyltoluene	"	"	"		5.00	ND	"	
Methylene chloride	"	"	"		0.530	ND	"	
Methyl tert-butyl ether	"	"	"		0.500	ND	"	
Naphthalene	"	"	"		8.00	ND	"	
n-Propylbenzene	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.350	ND	"	

Great Lakes Analytical--Oak Creek

**Refer to end of report for text of notes and definitions.*

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Envirogen - Ashwabenon	Project:	990423	Sampled: 11/30/00
790 Marvelle Lne	Project Number:	990423	Received: 12/1/00
Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 12/18/00 13:10

WDNR Volatile Organic Compounds by Method 8021
Great Lakes Analytical--Oak Creek

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-14 (continued)			**W012007-01**				**Water**	
Tetrachloroethene	0120010	12/2/00	12/10/00		0.500	ND	ug/l	
Toluene	"	"	"		5.00	ND	"	
1,2,3-Trichlorobenzene	"	"	"		10.0	ND	"	
1,2,4-Trichlorobenzene	"	"	"		10.0	ND	"	
1,1,1-Trichloroethane	"	"	"		5.00	ND	"	
1,1,2-Trichloroethane	"	"	"		0.160	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		5.00	ND	"	
1,2,4-Trimethylbenzene	"	"	"		5.00	ND	"	
1,3,5-Trimethylbenzene	"	"	"		5.00	ND	"	
Vinyl chloride	"	"	"		0.170	ND	"	
Total Xylenes	"	"	"		5.00	ND	"	
Surrogate: 1-Cl-4-FB (ELCD)	"	"	"	*80.0-120*		*117*	*%*	
Surrogate: 1-Cl-4-FB (PID)	"	"	"	*80.0-120*		*98.5*	"	

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Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 12/18/00 13:10

WDNR Volatile Organic Compounds by Method 8021 (Blanks)
Great Lakes Analytical--Oak Creek

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
TRIP BLANK			W012007-02				Water	
Benzene	0120010	12/2/00	12/5/00		0.500	ND	ug/l	
Bromobenzene	"	"	"		5.00	ND	"	
Bromodichloromethane	"	"	"		0.500	ND	"	
n-Butylbenzene	"	"	"		5.00	ND	"	
sec-Butylbenzene	"	"	"		5.00	ND	"	
tert-Butylbenzene	"	"	"		5.00	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		5.00	ND	"	
Chloroethane	"	"	"		5.00	ND	"	
Chloroform	"	"	"		0.140	ND	"	
Chloromethane	"	"	"		0.600	ND	"	
2-Chlorotoluene	"	"	"		5.00	ND	"	
4-Chlorotoluene	"	"	"		5.00	ND	"	
Dibromochloromethane	"	"	"		5.00	ND	"	
1,2-Dibromo-3-chloropropane	"	"	"		0.390	ND	"	
1,2-Dibromoethane	"	"	"		0.380	ND	"	
1,2-Dichlorobenzene	"	"	"		5.00	ND	"	
1,3-Dichlorobenzene	"	"	"		5.00	ND	"	
1,4-Dichlorobenzene	"	"	"		5.00	ND	"	
Dichlorodifluoromethane	"	"	"		5.00	ND	"	
1,1-Dichloroethane	"	"	"		5.00	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		5.00	ND	"	
trans-1,2-Dichloroethene	"	"	"		5.00	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
1,3-Dichloropropane	"	"	"		5.00	ND	"	
2,2-Dichloropropane	"	"	"		5.00	ND	"	
Di-isopropyl ether	"	"	"		5.00	ND	"	
Ethylbenzene	"	"	"		5.00	ND	"	
Hexachlorobutadiene	"	"	"		10.0	ND	"	
Isopropylbenzene	"	"	"		5.00	ND	"	
p-Isopropyltoluene	"	"	"		5.00	ND	"	
Methylene chloride	"	"	"		0.530	ND	"	
Methyl tert-butyl ether	"	"	"		0.500	ND	"	
Naphthalene	"	"	"		8.00	ND	"	
n-Propylbenzene	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.350	ND	"	

Great Lakes Analytical--Oak Creek

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WDNR Volatile Organic Compounds by Method 8021 (Blanks)
Great Lakes Analytical--Oak Creek

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
TRIP BLANK (continued)			**W012007-02**				**Water**	
Tetrachloroethene	0120010	12/2/00	12/5/00		0.500	ND	ug/l	
Toluene	"	"	"		5.00	ND	"	
1,2,3-Trichlorobenzene	"	"	"		10.0	ND	"	
1,2,4-Trichlorobenzene	"	"	"		10.0	ND	"	
1,1,1-Trichloroethane	"	"	"		5.00	ND	"	
1,1,2-Trichloroethane	"	"	"		0.160	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		5.00	ND	"	
1,2,4-Trimethylbenzene	"	"	"		5.00	ND	"	
1,3,5-Trimethylbenzene	"	"	"		5.00	ND	"	
Vinyl chloride	"	"	"		0.170	ND	"	
Total Xylenes	"	"	"		5.00	ND	"	
Surrogate: 1-Cl-4-FB (ELCD)	"	"	"	*80.0-120*		*120*	*%*	
Surrogate: 1-Cl-4-FB (PID)	"	"	"	*80.0-120*		*99.8*	"	

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790 Marvelle Lne	Project Number:	990423	Received: 12/1/00
Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 12/18/00 13:10

Gasoline Range Organics (GRO) by WDNR GRO/Quality Control
Great Lakes Analytical--Oak Creek

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0120014	**Date Prepared: 12/6/00**					**Extraction Method: EPA 5030B (P/T)**				
Blank	**0120014-BLK1**									
Gasoline Range Organics (GRO)	12/8/00			**ND**	ug/l	**50.0**				
LCS	**0120014-BS1**									
Gasoline Range Organics (GRO)	12/9/00	200		193	ug/l	80.0-120	96.5			
Matrix Spike	**0120014-MS1**		**W012022-03**							
Gasoline Range Organics (GRO)	12/12/00	200	ND	203	ug/l	72.9-129	**102**			
Matrix Spike Dup	**0120014-MSD1**		**W012022-03**							
Gasoline Range Organics (GRO)	12/12/00	200	ND	192	ug/l	72.9-129	**96.0**	23.3	**6.06**	

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790 Marvelle Lne	Project Number:	990423	Received: 12/1/00
Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 12/18/00 13:10

WDNR Volatile Organic Compounds by Method 8021/Quality Control
Great Lakes Analytical--Oak Creek

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0120010	**Date Prepared: 12/2/00**					**Extraction Method: EPA 5030B (P/T)**				
Blank	**0120010-BLK1**									
Benzene	12/2/00			ND	ug/l	0.500				
Bromobenzene	"			ND	"	5.00				
Bromodichloromethane	"			ND	"	0.500				
n-Butylbenzene	"			ND	"	5.00				
sec-Butylbenzene	"			ND	"	5.00				
tert-Butylbenzene	"			ND	"	5.00				
Carbon tetrachloride	"			ND	"	0.500				
Chlorobenzene	"			ND	"	5.00				
Chloroethane	"			ND	"	5.00				
Chloroform	"			ND	"	0.140				
Chloromethane	"			ND	"	0.600				
2-Chlorotoluene	"			ND	"	5.00				
4-Chlorotoluene	"			ND	"	5.00				
Dibromochloromethane	"			ND	"	5.00				
1,2-Dibromo-3-chloropropane	"			ND	"	0.390				
1,2-Dibromoethane	"			ND	"	0.380				
1,2-Dichlorobenzene	"			ND	"	5.00				
1,3-Dichlorobenzene	"			ND	"	5.00				
1,4-Dichlorobenzene	"			ND	"	5.00				
Dichlorodifluoromethane	"			ND	"	5.00				
1,1-Dichloroethane	"			ND	"	5.00				
1,2-Dichloroethane	"			ND	"	0.500				
1,1-Dichloroethene	"			ND	"	0.500				
cis-1,2-Dichloroethene	"			ND	"	5.00				
trans-1,2-Dichloroethene	"			ND	"	5.00				
1,2-Dichloropropane	"			ND	"	0.500				
1,3-Dichloropropane	"			ND	"	5.00				
2,2-Dichloropropane	"			ND	"	5.00				
Di-isopropyl ether	"			ND	"	5.00				
Ethylbenzene	"			ND	"	5.00				
Hexachlorobutadiene	"			ND	"	10.0				
Isopropylbenzene	"			ND	"	5.00				
p-Isopropyltoluene	"			ND	"	5.00				
Methylene chloride	"			ND	"	0.530				
Methyl tert-butyl ether	"			ND	"	0.500				
Naphthalene	"			ND	"	8.00				
n-Propylbenzene	"			ND	"	5.00				

Great Lakes Analytical--Oak Creek

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790 Marvelle Lne	Project Number:	990423	Received: 12/1/00
Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 12/18/00 13:10

WDNR Volatile Organic Compounds by Method 8021/Quality Control
Great Lakes Analytical–Oak Creek

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Blank (continued)	**0120010-BLK1**									
1,1,2,2-Tetrachloroethane	12/2/00			ND	ug/l	0.350				
Tetrachloroethene	"			ND	"	0.500				
Toluene	"			ND	"	5.00				
1,2,3-Trichlorobenzene	"			ND	"	10.0				
1,2,4-Trichlorobenzene	"			ND	"	10.0				
1,1,1-Trichloroethane	"			ND	"	5.00				
1,1,2-Trichloroethane	"			ND	"	0.160				
Trichloroethene	"			ND	"	0.500				
Trichlorofluoromethane	"			ND	"	5.00				
1,2,4-Trimethylbenzene	"			ND	"	5.00				
1,3,5-Trimethylbenzene	"			ND	"	5.00				
Vinyl chloride	"			ND	"	0.170				
Total Xylenes	"			ND	"	5.00				
Surrogate: 1-Cl-4-FB (ELCD)	"	*10.0*		*11.5*	"	*80.0-120*	*115*			
Surrogate: 1-Cl-4-FB (PID)	"	*10.0*		*9.95*	"	*80.0-120*	*99.5*			
LCS	**0120010-BS1**									
Benzene	12/2/00	10.0		9.66	ug/l	80.0-120	96.6			
Bromobenzene	"	10.0		9.80	"	80.0-120	98.0			
Bromodichloromethane	"	10.0		9.05	"	80.0-120	90.5			
n-Butylbenzene	"	10.0		9.29	"	80.0-120	92.9			
sec-Butylbenzene	"	10.0		9.54	"	80.0-120	95.4			
tert-Butylbenzene	"	10.0		9.48	"	80.0-120	94.8			
Carbon tetrachloride	"	10.0		8.89	"	80.0-120	88.9			
Chlorobenzene	"	10.0		9.44	"	80.0-120	94.4			
Chloroethane	"	10.0		8.88	"	80.0-120	88.8			
Chloroform	"	10.0		8.55	"	80.0-120	85.5			
Chloromethane	"	10.0		8.63	"	80.0-120	86.3			
2-Chlorotoluene	"	10.0		10.1	"	80.0-120	101			
4-Chlorotoluene	"	10.0		8.91	"	80.0-120	89.1			
Dibromochloromethane	"	10.0		9.95	"	80.0-120	99.5			
1,2-Dibromo-3-chloropropane	"	10.0		9.63	"	80.0-120	96.3			
1,2-Dibromoethane	"	10.0		10.4	"	80.0-120	104			
1,2-Dichlorobenzene	"	10.0		9.86	"	80.0-120	98.6			
1,3-Dichlorobenzene	"	10.0		9.64	"	80.0-120	96.4			
1,4-Dichlorobenzene	"	10.0		9.78	"	80.0-120	97.8			
Dichlorodifluoromethane	"	10.0		10.3	"	80.0-120	103			
1,1-Dichloroethane	"	10.0		8.90	"	80.0-120	89.0			

Great Lakes Analytical--Oak Creek

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790 Marvelle Lne	Project Number:	990423	Received: 12/1/00
Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 12/18/00 13:10

WDNR Volatile Organic Compounds by Method 8021/Quality Control
Great Lakes Analytical--Oak Creek

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes
LCS (continued)	**0120010-BS1**									
1,2-Dichloroethane	12/2/00	10.0		10.1	ug/l	80.0-120	101			
1,1-Dichloroethene	"	10.0		9.57	"	80.0-120	95.7			
cis-1,2-Dichloroethene	"	10.0		9.51	"	80.0-120	95.1			
trans-1,2-Dichloroethene	"	10.0		9.77	"	80.0-120	97.7			
1,2-Dichloropropane	"	10.0		10.2	"	80.0-120	102			
1,3-Dichloropropane	"	10.0		9.54	"	80.0-120	95.4			
2,2-Dichloropropane	"	10.0		9.42	"	80.0-120	94.2			
Di-isopropyl ether	"	10.0		10.4	"	80.0-120	104			
Ethylbenzene	"	10.0		8.94	"	80.0-120	89.4			
Hexachlorobutadiene	"	10.0		ND	"	80.0-120	NR			
Isopropylbenzene	"	10.0		9.46	"	80.0-120	94.6			
p-Isopropyltoluene	"	10.0		9.44	"	80.0-120	94.4			
Methylene chloride	"	10.0		9.80	"	80.0-120	98.0			
Methyl tert-butyl ether	"	10.0		11.3	"	80.0-120	113			
Naphthalene	"	10.0		10.8	"	80.0-120	108			
n-Propylbenzene	"	10.0		9.46	"	80.0-120	94.6			
1,1,2,2-Tetrachloroethane	"	10.0		10.3	"	80.0-120	103			
Tetrachloroethene	"	10.0		8.70	"	80.0-120	87.0			
Toluene	"	10.0		9.47	"	80.0-120	94.7			
1,2,3-Trichlorobenzene	"	10.0		10.2	"	80.0-120	102			
1,2,4-Trichlorobenzene	"	10.0		10.2	"	80.0-120	102			
1,1,1-Trichloroethane	"	10.0		8.75	"	80.0-120	87.5			
1,1,2-Trichloroethane	"	10.0		9.42	"	80.0-120	94.2			
Trichloroethene	"	10.0		9.17	"	80.0-120	91.7			
Trichlorofluoromethane	"	10.0		9.90	"	80.0-120	99.0			
1,2,4-Trimethylbenzene	"	10.0		9.35	"	80.0-120	93.5			
1,3,5-Trimethylbenzene	"	10.0		9.31	"	80.0-120	93.1			
Vinyl chloride	"	10.0		9.25	"	80.0-120	92.5			
Total Xylenes	"	30.0		28.2	"	80.0-120	94.0			
Surrogate: 1-Cl-4-FB (ELCD)	"	*10.0*		*9.25*	"	*80.0-120*	*92.5*			
Surrogate: 1-Cl-4-FB (PID)	"	*10.0*		*9.99*	"	*80.0-120*	*99.9*			
Matrix Spike	**0120010-MS1**		**W011145-04**							
Benzene	12/2/00	10.0	ND	10.4	ug/l	70.0-130	**104**			
Bromobenzene	"	10.0	ND	10.2	"	70.0-130	**102**			
Bromodichloromethane	"	10.0	ND	9.95	"	70.0-130	**99.5**			
n-Butylbenzene	"	10.0	ND	11.3	"	70.0-130	**113**			
sec-Butylbenzene	"	10.0	ND	10.4	"	70.0-130	**104**			

Great Lakes Analytical--Oak Creek

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WDNR Volatile Organic Compounds by Method 8021/Quality Control
Great Lakes Analytical--Oak Creek

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Matrix Spike (continued)	**0120010-MS1**		**W011145-04**							
tert-Butylbenzene	12/2/00	10.0	ND	10.4	ug/l	70.0-130	104			
Carbon tetrachloride	"	10.0	ND	10.4	"	70.0-130	104			
Chlorobenzene	"	10.0	ND	9.87	"	70.0-130	98.7			
Chloroethane	"	10.0	ND	9.15	"	70.0-130	91.5			
Chloroform	"	10.0	ND	8.03	"	70.0-130	80.3			
Chloromethane	"	10.0	ND	10.9	"	70.0-130	109			
2-Chlorotoluene	"	10.0	ND	11.5	"	70.0-130	115			
4-Chlorotoluene	"	10.0	ND	9.10	"	70.0-130	91.0			
Dibromochloromethane	"	10.0	ND	10.2	"	70.0-130	102			
1,2-Dibromo-3-chloropropane	"	10.0	ND	11.1	"	70.0-130	111			
1,2-Dibromoethane	"	10.0	ND	10.8	"	70.0-130	108			
1,2-Dichlorobenzene	"	10.0	ND	10.7	"	70.0-130	107			
1,3-Dichlorobenzene	"	10.0	ND	10.2	"	70.0-130	102			
1,4-Dichlorobenzene	"	10.0	ND	10.4	"	70.0-130	104			
Dichlorodifluoromethane	"	10.0	ND	10.4	"	70.0-130	104			
1,1-Dichloroethane	"	10.0	ND	10.1	"	70.0-130	101			
1,2-Dichloroethane	"	10.0	ND	10.9	"	70.0-130	109			
1,1-Dichloroethene	"	10.0	ND	10.3	"	70.0-130	103			
cis-1,2-Dichloroethene	"	10.0	ND	10.5	"	70.0-130	105			
trans-1,2-Dichloroethene	"	10.0	ND	10.3	"	70.0-130	103			
1,2-Dichloropropane	"	10.0	ND	11.2	"	70.0-130	112			
1,3-Dichloropropane	"	10.0	ND	10.4	"	70.0-130	104			
2,2-Dichloropropane	"	10.0	ND	9.51	"	70.0-130	95.1			
Di-isopropyl ether	"	10.0	ND	10.8	"	70.0-130	108			
Ethylbenzene	"	10.0	ND	9.51	"	70.0-130	95.1			
Hexachlorobutadiene	"	10.0	ND	10.5	"	70.0-130	105			
Isopropylbenzene	"	10.0	ND	10.3	"	70.0-130	103			
p-Isopropyltoluene	"	10.0	ND	10.2	"	70.0-130	102			
Methylene chloride	"	10.0	ND	11.5	"	70.0-130	115			
Methyl tert-butyl ether	"	10.0	ND	11.3	"	70.0-130	113			
Naphthalene	"	10.0	ND	11.4	"	70.0-130	114			
n-Propylbenzene	"	10.0	ND	10.4	"	70.0-130	104			
1,1,2,2-Tetrachloroethane	"	10.0	ND	11.3	"	70.0-130	113			
Tetrachloroethene	"	10.0	ND	9.37	"	70.0-130	93.7			
Toluene	"	10.0	ND	10.0	"	70.0-130	100			
1,2,3-Trichlorobenzene	"	10.0	ND	10.6	"	70.0-130	106			
1,2,4-Trichlorobenzene	"	10.0	ND	10.5	"	70.0-130	105			
1,1,1-Trichloroethane	"	10.0	ND	9.77	"	70.0-130	97.7			

Great Lakes Analytical--Oak Creek

**Refer to end of report for text of notes and definitions.*

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Envirogen - Ashwabenon	Project:	990423	Sampled: 11/30/00
790 Marvelle Lne	Project Number:	990423	Received: 12/1/00
Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 12/18/00 13:10

WDNR Volatile Organic Compounds by Method 8021/Quality Control
Great Lakes Analytical--Oak Creek

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Matrix Spike (continued)	0120010-MS1		W011145-04							
1,1,2-Trichloroethane	12/2/00	10.0	ND	10.3	ug/l	70.0-130	103			
Trichloroethene	"	10.0	ND	10.2	"	70.0-130	102			
Trichlorofluoromethane	"	10.0	ND	11.7	"	70.0-130	117			
1,2,4-Trimethylbenzene	"	10.0	ND	11.8	"	70.0-130	118			
1,3,5-Trimethylbenzene	"	10.0	ND	11.1	"	70.0-130	111			
Vinyl chloride	"	10.0	ND	10.1	"	70.0-130	101			
Total Xylenes	"	30.0	ND	30.1	"	70.0-130	100			
Surrogate: 1-Cl-4-FB (ELCD)	"	*10.0*		*10.2*	"	*80.0-120*	*102*			
Surrogate: 1-Cl-4-FB (PID)	"	*10.0*		*10.0*	"	*80.0-120*	*100*			
Matrix Spike Dup	0120010-MSD1		W011145-04							
Benzene	12/2/00	10.0	ND	10.3	ug/l	70.0-130	103	20.0	0.966	
Bromobenzene	"	10.0	ND	10.1	"	70.0-130	101	20.0	0.985	
Bromodichloromethane	"	10.0	ND	8.75	"	70.0-130	87.5	20.0	12.8	
n-Butylbenzene	"	10.0	ND	11.1	"	70.0-130	111	20.0	1.79	
sec-Butylbenzene	"	10.0	ND	10.5	"	70.0-130	105	20.0	0.957	
tert-Butylbenzene	"	10.0	ND	10.7	"	70.0-130	107	20.0	2.84	
Carbon tetrachloride	"	10.0	ND	9.58	"	70.0-130	95.8	20.0	8.21	
Chlorobenzene	"	10.0	ND	9.82	"	70.0-130	98.2	20.0	0.508	
Chloroethane	"	10.0	ND	10.1	"	70.0-130	101	20.0	9.87	
Chloroform	"	10.0	ND	8.10	"	70.0-130	81.0	20.0	0.868	
Chloromethane	"	10.0	ND	10.4	"	70.0-130	104	20.0	4.69	
2-Chlorotoluene	"	10.0	ND	11.3	"	70.0-130	113	20.0	1.75	
4-Chlorotoluene	"	10.0	ND	9.62	"	70.0-130	96.2	20.0	5.56	
Dibromochloromethane	"	10.0	ND	10.3	"	70.0-130	103	20.0	0.976	
1,2-Dibromo-3-chloropropane	"	10.0	ND	10.0	"	70.0-130	100	20.0	10.4	
1,2-Dibromoethane	"	10.0	ND	11.3	"	70.0-130	113	20.0	4.52	
1,2-Dichlorobenzene	"	10.0	ND	10.4	"	70.0-130	104	20.0	2.84	
1,3-Dichlorobenzene	"	10.0	ND	10.3	"	70.0-130	103	20.0	0.976	
1,4-Dichlorobenzene	"	10.0	ND	10.3	"	70.0-130	103	20.0	0.966	
Dichlorodifluoromethane	"	10.0	ND	10.0	"	70.0-130	100	20.0	3.92	
1,1-Dichloroethane	"	10.0	ND	9.82	"	70.0-130	98.2	20.0	2.81	
1,2-Dichloroethane	"	10.0	ND	10.5	"	70.0-130	105	20.0	3.74	
1,1-Dichloroethene	"	10.0	ND	8.56	"	70.0-130	85.6	20.0	18.5	
cis-1,2-Dichloroethene	"	10.0	ND	10.5	"	70.0-130	105	20.0	0	
trans-1,2-Dichloroethene	"	10.0	ND	10.3	"	70.0-130	103	20.0	0	
1,2-Dichloropropane	"	10.0	ND	10.8	"	70.0-130	108	20.0	3.64	
1,3-Dichloropropane	"	10.0	ND	10.1	"	70.0-130	101	20.0	2.93	

Great Lakes Analytical--Oak Creek

**Refer to end of report for text of notes and definitions.*

Andrea Stathas

Andrea Stathas, Project Manager

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Envirogen - Ashwabenon	Project:	990423	Sampled: 11/30/00
790 Marvelle Lne	Project Number:	990423	Received: 12/1/00
Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 12/18/00 13:10

WDNR Volatile Organic Compounds by Method 8021/Quality Control
Great Lakes Analytical--Oak Creek

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Matrix Spike Dup (continued)	**0120010-MSD1**		**W011145-04**							
2,2-Dichloropropane	12/2/00	10.0	ND	10.3	ug/l	70.0-130	**103**	20.0	**7.98**	
Di-isopropyl ether	"	10.0	ND	10.6	"	70.0-130	**106**	20.0	**1.87**	
Ethylbenzene	"	10.0	ND	9.35	"	70.0-130	**93.5**	20.0	**1.70**	
Hexachlorobutadiene	"	10.0	ND	10.3	"	70.0-130	**103**	20.0	**1.92**	
Isopropylbenzene	"	10.0	ND	10.6	"	70.0-130	**106**	20.0	**2.87**	
p-Isopropyltoluene	"	10.0	ND	10.0	"	70.0-130	**100**	20.0	**1.98**	
Methylene chloride	"	10.0	ND	9.81	"	70.0-130	**98.1**	20.0	**15.9**	
Methyl tert-butyl ether	"	10.0	ND	11.0	"	70.0-130	**110**	20.0	**2.69**	
Naphthalene	"	10.0	ND	10.6	"	70.0-130	**106**	20.0	**7.27**	
n-Propylbenzene	"	10.0	ND	10.3	"	70.0-130	**103**	20.0	**0.966**	
1,1,2,2-Tetrachloroethane	"	10.0	ND	11.1	"	70.0-130	**111**	20.0	**1.79**	
Tetrachloroethene	"	10.0	ND	9.26	"	70.0-130	**92.6**	20.0	**1.18**	
Toluene	"	10.0	ND	9.93	"	70.0-130	**99.3**	20.0	**0.702**	
1,2,3-Trichlorobenzene	"	10.0	ND	10.4	"	70.0-130	**104**	20.0	**1.90**	
1,2,4-Trichlorobenzene	"	10.0	ND	10.3	"	70.0-130	**103**	20.0	**1.92**	
1,1,1-Trichloroethane	"	10.0	ND	9.53	"	70.0-130	**95.3**	20.0	**2.49**	
1,1,2-Trichloroethane	"	10.0	ND	10.2	"	70.0-130	**102**	20.0	**0.976**	
Trichloroethene	"	10.0	ND	9.61	"	70.0-130	**96.1**	20.0	**5.96**	
Trichlorofluoromethane	"	10.0	ND	9.68	"	70.0-130	**96.8**	20.0	**18.9**	
1,2,4-Trimethylbenzene	"	10.0	ND	11.3	"	70.0-130	**113**	20.0	**4.33**	
1,3,5-Trimethylbenzene	"	10.0	ND	10.8	"	70.0-130	**108**	20.0	**2.74**	
Vinyl chloride	"	10.0	ND	10.2	"	70.0-130	**102**	20.0	**0.985**	
Total Xylenes	"	30.0	ND	29.4	"	70.0-130	**98.0**	20.0	**2.02**	
Surrogate: 1-Cl-4-FB (ELCD)	"	*10.0*		*10.2*	"	*80.0-120*	*102*			
Surrogate: 1-Cl-4-FB (PID)	"	*10.0*		*10.1*	"	*80.0-120*	*101*			

Great Lakes Analytical--Oak Creek

**Refer to end of report for text of notes and definitions.*

Andrea Stathas, Project Manager

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Envirogen - Ashwabenon	Project:	990423	Sampled: 11/30/00
790 Marvelle Lne	Project Number:	990423	Received: 12/1/00
Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 12/18/00 13:10

WDNR Volatile Organic Compounds by Method 8021 (Blanks)/Quality Control
Great Lakes Analytical--Oak Creek

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0120010	**Date Prepared: 12/2/00**					**Extraction Method: EPA 5030B (P/T)**				
Blank	**0120010-BLK1**									
Benzene	12/2/00			ND	ug/l	0.500				
Bromobenzene	"			ND	"	5.00				
Bromodichloromethane	"			ND	"	0.500				
n-Butylbenzene	"			ND	"	5.00				
sec-Butylbenzene	"			ND	"	5.00				
tert-Butylbenzene	"			ND	"	5.00				
Carbon tetrachloride	"			ND	"	0.500				
Chlorobenzene	"			ND	"	5.00				
Chloroethane	"			ND	"	5.00				
Chloroform	"			ND	"	0.140				
Chloromethane	"			ND	"	0.600				
2-Chlorotoluene	"			ND	"	5.00				
4-Chlorotoluene	"			ND	"	5.00				
Dibromochloromethane	"			ND	"	5.00				
1,2-Dibromo-3-chloropropane	"			ND	"	0.390				
1,2-Dibromoethane	"			ND	"	0.380				
1,2-Dichlorobenzene	"			ND	"	5.00				
1,3-Dichlorobenzene	"			ND	"	5.00				
1,4-Dichlorobenzene	"			ND	"	5.00				
Dichlorodifluoromethane	"			ND	"	5.00				
1,1-Dichloroethane	"			ND	"	5.00				
1,2-Dichloroethane	"			ND	"	0.500				
1,1-Dichloroethene	"			ND	"	0.500				
cis-1,2-Dichloroethene	"			ND	"	5.00				
trans-1,2-Dichloroethene	"			ND	"	5.00				
1,2-Dichloropropane	"			ND	"	0.500				
1,3-Dichloropropane	"			ND	"	5.00				
2,2-Dichloropropane	"			ND	"	5.00				
Di-isopropyl ether	"			ND	"	5.00				
Ethylbenzene	"			ND	"	5.00				
Hexachlorobutadiene	"			ND	"	10.0				
Isopropylbenzene	"			ND	"	5.00				
p-Isopropyltoluene	"			ND	"	5.00				
Methylene chloride	"			ND	"	0.530				
Methyl tert-butyl ether	"			ND	"	0.500				
Naphthalene	"			ND	"	8.00				
n-Propylbenzene	"			ND	"	5.00				

Refer to end of report for text of notes and definitions.

Andrea Stathas, Project Manager

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Envirogen - Ashwabenon	Project:	990423	Sampled: 11/30/00
790 Marvelle Lne	Project Number:	990423	Received: 12/1/00
Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 12/18/00 13:10

WDNR Volatile Organic Compounds by Method 8021 (Blanks)/Quality Control
Great Lakes Analytical--Oak Creek

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Blank (continued)	**0120010-BLK1**									
1,1,2,2-Tetrachloroethane	12/2/00			**ND**	ug/l	**0.350**				
Tetrachloroethene	"			**ND**	"	**0.500**				
Toluene	"			**ND**	"	**5.00**				
1,2,3-Trichlorobenzene	"			**ND**	"	**10.0**				
1,2,4-Trichlorobenzene	"			**ND**	"	**10.0**				
1,1,1-Trichloroethane	"			**ND**	"	**5.00**				
1,1,2-Trichloroethane	"			**ND**	"	**0.160**				
Trichloroethene	"			**ND**	"	**0.500**				
Trichlorofluoromethane	"			**ND**	"	**5.00**				
1,2,4-Trimethylbenzene	"			**ND**	"	**5.00**				
1,3,5-Trimethylbenzene	"			**ND**	"	**5.00**				
Vinyl chloride	"			**ND**	"	**0.170**				
Total Xylenes	"			**ND**	"	**5.00**				
Surrogate: 1-Cl-4-FB (ELCD)	"	*10.0*		*11.5*	"	*80.0-120*	*115*			
Surrogate: 1-Cl-4-FB (PID)	"	*10.0*		*9.95*	"	*80.0-120*	*99.5*			
LCS	**0120010-BS1**									
Surrogate: 1-Cl-4-FB (ELCD)	*12/2/00*	*10.0*		*9.25*	*ug/l*	*80.0-120*	*92.5*			
Surrogate: 1-Cl-4-FB (PID)	"	*10.0*		*9.99*	"	*80.0-120*	*99.9*			
Matrix Spike	**0120010-MS1**		**W011145-04**							
Surrogate: 1-Cl-4-FB (ELCD)	*12/2/00*	*10.0*		*10.2*	*ug/l*	*80.0-120*	*102*			
Surrogate: 1-Cl-4-FB (PID)	"	*10.0*		*10.0*	"	*80.0-120*	*100*			
Matrix Spike Dup	**0120010-MSD1**		**W011145-04**							
Surrogate: 1-Cl-4-FB (ELCD)	*12/2/00*	*10.0*		*10.2*	*ug/l*	*80.0-120*	*102*			
Surrogate: 1-Cl-4-FB (PID)	"	*10.0*		*10.1*	"	*80.0-120*	*101*			

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Envirogen - Ashwabenon	Project:	990423	Sampled: 11/30/00
790 Marvelle Lne	Project Number:	990423	Received: 12/1/00
Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 12/18/00 13:10

Notes and Definitions

#	Note
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
Recov.	Recovery
RPD	Relative Percent Difference

Great Lakes Analytical--Oak Creek

Andrea Stathas

Andrea Stathas, Project Manager

GREAT LAKES ANALYTICAL

CHAIN OF CUSTODY REPORT

1380 Busch Parkway
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FAX (847) 808-7772

20725 Watertown Road
Brookfield, WI 53501
(414) 798-1030
FAX (414) 798-1066

Client: Envirogen	Bill To: Same		TAT: 5 DAY 4 DAY 3 DAY 2 DAY 1 DAY < 24 HRS.
Address: 790 Marvelle Ln	Address:		DATE RESULTS NEEDED:
Green Bay, WI 54304			TEMPERATURE UPON RECEIPT:
Report to: Kris B. Phone #: (920)497-8910 Fax #: (800)407-8045	State & Program:	Phone #: ( ) Fax #: ( )	AIR BILL NO.
Project: 990923			
Sampler: Jan Nuthals			
PO/Quote #:			

	FIELD ID, LOCATION	DATE COLLECTED	TIME COLLECTED	SAMPLE MATRIX	PRESERVATIVES	NO. CONTAINERS	TYPE CONTAINERS	GRO	VOC	ANALYSIS TYPE	SAMPLE CONTROL: CRACKED/BROKEN	SAMPLE CONTROL: IMPROPERLY SEALED	SAMPLE CONTROL: GOOD CONDITION	LABORATORY ID NUMBER
1	MW-14	11/30/00	9:30	GW	HCL	4	40ml	X	X					W012007-01
2	Trip Blank	〃	〃	〃	〃	2	〃	X	X					〃 -02
3														
4														
5														
6														
7														
8														
9														
10														

RELINQUISHED	DATE / TIME	RECEIVED	DATE / TIME	RELINQUISHED	DATE / TIME	RECEIVED	DATE / TIME
	11/30/00		12/2/00 1200				
RELINQUISHED	DATE / TIME	RECEIVED	DATE / TIME	RELINQUISHED	DATE / TIME	RECEIVED	DATE / TIME

COMMENTS:

PAGE OF

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GREAT LAKES ANALYTICAL

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Envirogen - Ashwabenon	Project:	990423	Sampled: 10/20/00 to 10/24/00
790 Marvelle Lne	Project Number:	990423	Received: 10/25/00
Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 11/14/00 15:15

Diesel Range Organics (DRO) by WDNR DRO
Great Lakes Analytical--Oak Creek

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
MW-13			**W010183-01**				**Water**	
Diesel Range Organics (DRO)	0100101	10/30/00	10/30/00	WDNR DRO	0.100	ND	mg/l	
MW-12			**W010183-02**				**Water**	
Diesel Range Organics (DRO)	0100101	10/30/00	10/30/00	WDNR DRO	0.100	ND	mg/l	
MW-11			**W010183-03**				**Water**	
Diesel Range Organics (DRO)	0100101	10/30/00	10/31/00	WDNR DRO	0.100	**1.22**	mg/l	T10,T13,T6
MW-1			**W010183-04**				**Water**	
Diesel Range Organics (DRO)	0100101	10/30/00	10/30/00	WDNR DRO	0.100	**1.17**	mg/l	T10,T13,T15,T6,T8
MW-111			**W010183-05**				**Water**	
Diesel Range Organics (DRO)	0100101	10/30/00	10/30/00	WDNR DRO	0.100	**0.652**	mg/l	T10,T11,T13,T15,T6, T8

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Envirogen - Ashwabenon	Project:	990423	Sampled: 10/20/00 to 10/24/00
790 Marvelle Lne	Project Number:	990423	Received: 10/25/00
Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 11/14/00 15:15

Gasoline Range Organics (GRO) by WDNR GRO
Great Lakes Analytical--Oak Creek

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
MW-13			W010183-01				Water	
Gasoline Range Organics (GRO)	0100104	10/30/00	10/31/00	WDNR GRO	50.0	ND	ug/l	
MW-12			W010183-02				Water	
Gasoline Range Organics (GRO)	0100104	10/30/00	10/31/00	WDNR GRO	50.0	ND	ug/l	
MW-11			W010183-03				Water	G12
Gasoline Range Organics (GRO)	0100104	10/30/00	10/31/00	WDNR GRO	500	**12100**	ug/l	T1,T4
MW-1			W010183-04				Water	G12
Gasoline Range Organics (GRO)	0100104	10/30/00	10/31/00	WDNR GRO	1000	**3740**	ug/l	T1,T4
MW-111			W010183-05				Water	G12
Gasoline Range Organics (GRO)	0100104	10/30/00	10/31/00	WDNR GRO	500	**11300**	ug/l	T1,T4
Decon			W010183-06				Water	
Gasoline Range Organics (GRO)	0100104	10/30/00	10/30/00	WDNR GRO	50.0	ND	ug/l	
Trip Blank			W010183-07				Water	
Gasoline Range Organics (GRO)	0100104	10/30/00	10/30/00	WDNR GRO	50.0	ND	ug/l	

Great Lakes Analytical--Oak Creek

**Refer to end of report for text of notes and definitions.*

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Envirogen - Ashwabenon	Project:	990423	Sampled: 10/20/00 to 10/24/00
790 Marvelle Lne	Project Number:	990423	Received: 10/25/00
Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 11/14/00 15:15

Polynuclear Aromatic Compounds by EPA Method 8310
Great Lakes Analytical

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-13			**W010183-01**				**Water**	**1**
Acenaphthene	0100624	10/31/00	11/9/00		5.00	ND	ug/l	
Acenaphthylene	"	"	"		4.00	ND	"	
Anthracene	"	"	"		0.200	ND	"	
Benz (a) anthracene	"	"	"		0.0100	ND	"	
Benzo (a) pyrene	"	"	"		0.0200	ND	"	
Benzo (b) fluoranthene	"	"	"		0.0200	ND	"	
Benzo (ghi) perylene	"	"	"		0.0600	ND	"	
Benzo (k) fluoranthene	"	"	"		0.0100	ND	"	
Chrysene	"	"	"		0.0500	ND	"	
Dibenz (a,h) anthracene	"	"	"		0.0200	ND	"	
Fluoranthene	"	"	"		1.00	ND	"	
Fluorene	"	"	"		1.00	ND	"	
Indeno (1,2,3-cd) pyrene	"	"	"		0.400	ND	"	
1-Methylnaphthalene	"	"	"		3.00	ND	"	
2-Methylnaphthalene	"	"	"		3.00	ND	"	
Naphthalene	"	"	"		3.00	ND	"	
Phenanthrene	"	"	"		0.300	ND	"	
Pyrene	"	"	"		1.00	ND	"	
Surrogate: Carbazole	"	"	"	*10.3-163*		*81.4*	%	
MW-12			**W010183-02**				**Water**	**1**
Acenaphthene	0100624	10/31/00	11/9/00		5.00	ND	ug/l	
Acenaphthylene	"	"	"		4.00	ND	"	
Anthracene	"	"	"		0.200	ND	"	
Benz (a) anthracene	"	"	"		0.0100	ND	"	
Benzo (a) pyrene	"	"	"		0.0200	ND	"	
Benzo (b) fluoranthene	"	"	"		0.0200	ND	"	
Benzo (ghi) perylene	"	"	"		0.0600	ND	"	
Benzo (k) fluoranthene	"	"	"		0.0100	ND	"	
Chrysene	"	"	"		0.0500	ND	"	
Dibenz (a,h) anthracene	"	"	"		0.0200	ND	"	
Fluoranthene	"	"	"		1.00	ND	"	
Fluorene	"	"	"		1.00	ND	"	
Indeno (1,2,3-cd) pyrene	"	"	"		0.400	ND	"	
1-Methylnaphthalene	"	"	"		3.00	ND	"	
2-Methylnaphthalene	"	"	"		3.00	ND	"	
Naphthalene	"	"	"		3.00	ND	"	
Phenanthrene	"	"	"		0.300	ND	"	

Great Lakes Analytical--Oak Creek

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Ashwabenon, WI 54304	Project Manager: Kris Baron	Reported:	11/14/00 15:15

Polynuclear Aromatic Compounds by EPA Method 8310
Great Lakes Analytical

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-12 (continued)			**W010183-02**				**Water**	**1**
Pyrene	0100624	10/31/00	11/9/00		1.00	ND	ug/l	
Surrogate: Carbazole	"	"	"	*10.3-163*		*78.2*	%	
MW-11			**W010183-03**				**Water**	**1**
Acenaphthene	0100624	10/31/00	11/9/00		5.00	ND	ug/l	
Acenaphthylene	"	"	"		4.00	**19.8**	"	
Anthracene	"	"	"		0.200	ND	"	
Benz (a) anthracene	"	"	"		0.0100	ND	"	
Benzo (a) pyrene	"	"	"		0.0200	ND	"	
Benzo (b) fluoranthene	"	"	"		0.0200	ND	"	
Benzo (ghi) perylene	"	"	"		0.0600	ND	"	
Benzo (k) fluoranthene	"	"	"		0.0100	ND	"	
Chrysene	"	"	"		0.0500	ND	"	
Dibenz (a,h) anthracene	"	"	"		0.0200	ND	"	
Fluoranthene	"	"	"		1.00	ND	"	
Fluorene	"	"	"		1.00	ND	"	
Indeno (1,2,3-cd) pyrene	"	"	"		0.400	ND	"	
1-Methylnaphthalene	"	"	"		3.00	**12.3**	"	
2-Methylnaphthalene	"	"	"		3.00	**19.6**	"	
Naphthalene	"	"	"		3.00	**97.9**	"	
Phenanthrene	"	"	"		0.300	ND	"	
Pyrene	"	"	"		1.00	ND	"	
Surrogate: Carbazole	"	"	"	*10.3-163*		*95.0*	%	
MW-1			**W010183-04**				**Water**	**1**
Acenaphthene	0100624	10/31/00	11/9/00		5.00	ND	ug/l	
Acenaphthylene	"	"	"		4.00	**12.7**	"	
Anthracene	"	"	"		0.200	ND	"	
Benz (a) anthracene	"	"	"		0.0100	ND	"	
Benzo (a) pyrene	"	"	"		0.0200	ND	"	
Benzo (b) fluoranthene	"	"	"		0.0200	ND	"	
Benzo (ghi) perylene	"	"	"		0.0600	ND	"	
Benzo (k) fluoranthene	"	"	"		0.0100	ND	"	
Chrysene	"	"	"		0.0500	ND	"	
Dibenz (a,h) anthracene	"	"	"		0.0200	ND	"	
Fluoranthene	"	"	"		1.00	ND	"	
Fluorene	"	"	"		1.00	ND	"	
Indeno (1,2,3-cd) pyrene	"	"	"		0.400	ND	"	

Great Lakes Analytical--Oak Creek

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Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 11/14/00 15:15

Polynuclear Aromatic Compounds by EPA Method 8310
Great Lakes Analytical

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-1 (continued)			W010183-04				Water	1
1-Methylnaphthalene	0100624	10/31/00	11/9/00		3.00	**15.3**	ug/l	
2-Methylnaphthalene	"	"	"		3.00	**5.98**	"	
Naphthalene	"	"	"		3.00	**24.5**	"	
Phenanthrene	"	"	"		0.300	ND	"	
Pyrene	"	"	"		1.00	ND	"	
Surrogate: Carbazole	"	"	"	*10.3-163*		*84.8*	%	
MW-111			W010183-05				Water	1
Acenaphthene	0100624	10/31/00	11/9/00		5.00	ND	ug/l	
Acenaphthylene	"	"	"		4.00	ND	"	
Anthracene	"	"	"		0.200	ND	"	
Benz (a) anthracene	"	"	"		0.0100	ND	"	
Benzo (a) pyrene	"	"	"		0.0200	ND	"	
Benzo (b) fluoranthene	"	"	"		0.0200	ND	"	
Benzo (ghi) perylene	"	"	"		0.0600	ND	"	
Benzo (k) fluoranthene	"	"	"		0.0100	ND	"	
Chrysene	"	"	"		0.0500	ND	"	
Dibenz (a,h) anthracene	"	"	"		0.0200	ND	"	
Fluoranthene	"	"	"		1.00	ND	"	
Fluorene	"	"	"		1.00	ND	"	
Indeno (1,2,3-cd) pyrene	"	"	"		0.400	ND	"	
1-Methylnaphthalene	"	"	"		3.00	**3.95**	"	
2-Methylnaphthalene	"	"	"		3.00	**5.94**	"	
Naphthalene	"	"	"		3.00	**36.8**	"	
Phenanthrene	"	"	"		0.300	ND	"	
Pyrene	"	"	"		1.00	ND	"	
Surrogate: Carbazole	"	"	"	*10.3-163*		*89.4*	%	

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790 Marvelle Lne	Project Number:	990423	Received: 10/25/00
Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 11/14/00 15:15

WDNR Volatile Organic Compounds by Method 8260B
Great Lakes Analytical

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-13			**W010183-01**				Water	G19,G3,G4,1
Benzene	0110124	10/27/00	11/6/00		0.500	ND	ug/l	
Bromobenzene	"	"	"		5.00	ND	"	
Bromodichloromethane	"	"	"		0.480	ND	"	
n-Butylbenzene	"	"	"		5.00	ND	"	
sec-Butylbenzene	"	"	"		5.00	ND	"	
tert-Butylbenzene	"	"	"		5.00	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		5.00	ND	"	
Chloroethane	"	"	"		5.00	ND	"	
Chloroform	"	"	"		0.196	ND	"	
Chloromethane	"	"	"		0.237	ND	"	
2-Chlorotoluene	"	"	"		5.00	ND	"	
4-Chlorotoluene	"	"	"		5.00	ND	"	
Dibromochloromethane	"	"	"		5.00	ND	"	
1,2-Dibromo-3-chloropropane	"	"	"		0.612	ND	"	
1,2-Dibromoethane	"	"	"		0.129	ND	"	
1,2-Dichlorobenzene	"	"	"		5.00	ND	"	
1,3-Dichlorobenzene	"	"	"		5.00	ND	"	
1,4-Dichlorobenzene	"	"	"		5.00	ND	"	
Dichlorodifluoromethane	"	"	"		5.00	ND	"	
1,1-Dichloroethane	"	"	"		5.00	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		5.00	ND	"	
trans-1,2-Dichloroethene	"	"	"		5.00	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
1,3-Dichloropropane	"	"	"		5.00	ND	"	
2,2-Dichloropropane	"	"	"		5.00	ND	"	
Di-isopropyl ether	"	"	"		5.00	ND	"	
Ethylbenzene	"	"	"		5.00	ND	"	
Hexachlorobutadiene	"	"	"		10.0	ND	"	
Isopropylbenzene	"	"	"		5.00	ND	"	
p-Isopropyltoluene	"	"	"		5.00	ND	"	
Methylene chloride	"	"	"		0.235	ND	"	
Methyl tert-butyl ether	"	"	"		0.101	**5.87**	"	
Naphthalene	"	"	"		8.00	ND	"	
n-Propylbenzene	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.231	ND	"	

Great Lakes Analytical--Oak Creek

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WDNR Volatile Organic Compounds by Method 8260B
Great Lakes Analytical

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-13 (continued)			**W010183-01**				Water	G19,G3,G4,1
Tetrachloroethene	0110124	10/27/00	11/6/00		0.500	ND	ug/l	
Toluene	"	"	"		5.00	ND	"	
1,2,3-Trichlorobenzene	"	"	"		10.0	ND	"	
1,2,4-Trichlorobenzene	"	"	"		10.0	ND	"	
1,1,1-Trichloroethane	"	"	"		5.00	ND	"	
1,1,2-Trichloroethane	"	"	"		0.153	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		5.00	ND	"	
1,2,4-Trimethylbenzene	"	"	"		5.00	ND	"	
1,3,5-Trimethylbenzene	"	"	"		5.00	ND	"	
Vinyl chloride	"	"	"		0.214	ND	"	
Total Xylenes	"	"	"		5.00	ND	"	
Surrogate: Dibromofluoromethane	"	"	"	*77.1-125*		*105*	%	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	*44.1-175*		*121*	"	
Surrogate: Toluene-d8	"	"	"	*88.7-115*		*108*	"	
Surrogate: 4-Bromofluorobenzene	"	"	"	*61.5-122*		*114*	"	

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WDNR Volatile Organic Compounds by Method 8260B
Great Lakes Analytical

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-12			**W010183-02**				**Water**	**G19,G3,G4,1**
Benzene	0110124	10/27/00	11/6/00		0.500	ND	ug/l	
Bromobenzene	"	"	"		5.00	ND	"	
Bromodichloromethane	"	"	"		0.480	ND	"	
n-Butylbenzene	"	"	"		5.00	ND	"	
sec-Butylbenzene	"	"	"		5.00	ND	"	
tert-Butylbenzene	"	"	"		5.00	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		5.00	ND	"	
Chloroethane	"	"	"		5.00	ND	"	
Chloroform	"	"	"		0.196	ND	"	
Chloromethane	"	"	"		0.237	ND	"	
2-Chlorotoluene	"	"	"		5.00	ND	"	
4-Chlorotoluene	"	"	"		5.00	ND	"	
Dibromochloromethane	"	"	"		5.00	ND	"	
1,2-Dibromo-3-chloropropane	"	"	"		0.612	ND	"	
1,2-Dibromoethane	"	"	"		0.129	ND	"	
1,2-Dichlorobenzene	"	"	"		5.00	ND	"	
1,3-Dichlorobenzene	"	"	"		5.00	ND	"	
1,4-Dichlorobenzene	"	"	"		5.00	ND	"	
Dichlorodifluoromethane	"	"	"		5.00	ND	"	
1,1-Dichloroethane	"	"	"		5.00	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		5.00	ND	"	
trans-1,2-Dichloroethene	"	"	"		5.00	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
1,3-Dichloropropane	"	"	"		5.00	ND	"	
2,2-Dichloropropane	"	"	"		5.00	ND	"	
Di-isopropyl ether	"	"	"		5.00	ND	"	
Ethylbenzene	"	"	"		5.00	ND	"	
Hexachlorobutadiene	"	"	"		10.0	ND	"	
Isopropylbenzene	"	"	"		5.00	ND	"	
p-Isopropyltoluene	"	"	"		5.00	ND	"	
Methylene chloride	"	"	"		0.235	ND	"	
Methyl tert-butyl ether	"	"	"		0.101	ND	"	
Naphthalene	"	"	"		8.00	ND	"	
n-Propylbenzene	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.231	ND	"	

Great Lakes Analytical--Oak Creek

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WDNR Volatile Organic Compounds by Method 8260B
Great Lakes Analytical

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-12 (continued)			**W010183-02**				**Water**	**G19,G3,G4,1**
Tetrachloroethene	0110124	10/27/00	11/6/00		0.500	ND	ug/l	
Toluene	"	"	"		5.00	ND	"	
1,2,3-Trichlorobenzene	"	"	"		10.0	ND	"	
1,2,4-Trichlorobenzene	"	"	"		10.0	ND	"	
1,1,1-Trichloroethane	"	"	"		5.00	ND	"	
1,1,2-Trichloroethane	"	"	"		0.153	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		5.00	ND	"	
1,2,4-Trimethylbenzene	"	"	"		5.00	ND	"	
1,3,5-Trimethylbenzene	"	"	"		5.00	ND	"	
Vinyl chloride	"	"	"		0.214	ND	"	
Total Xylenes	"	"	"		5.00	ND	"	
Surrogate: Dibromofluoromethane	"	"	"	*77.1-125*		*106*	%	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	*44.1-175*		*105*	"	
Surrogate: Toluene-d8	"	"	"	*88.7-115*		*104*	"	
Surrogate: 4-Bromofluorobenzene	"	"	"	*61.5-122*		*89.8*	"	

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WDNR Volatile Organic Compounds by Method 8260B
Great Lakes Analytical

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-11			**W010183-03**				**Water**	G12,G19,G3,G4,1
Benzene	0110124	10/27/00	11/6/00		12.5	**1460**	ug/l	
Bromobenzene	"	"	"		125	ND	"	
Bromodichloromethane	"	"	"		12.0	ND	"	
n-Butylbenzene	"	"	"		125	ND	"	
sec-Butylbenzene	"	"	"		125	ND	"	
tert-Butylbenzene	"	"	"		125	ND	"	
Carbon tetrachloride	"	"	"		12.5	ND	"	
Chlorobenzene	"	"	"		125	ND	"	
Chloroethane	"	"	"		125	ND	"	
Chloroform	"	"	"		4.90	ND	"	
Chloromethane	"	"	"		5.93	ND	"	
2-Chlorotoluene	"	"	"		125	ND	"	
4-Chlorotoluene	"	"	"		125	ND	"	
Dibromochloromethane	"	"	"		125	ND	"	
1,2-Dibromo-3-chloropropane	"	"	"		15.3	ND	"	
1,2-Dibromoethane	"	"	"		3.23	ND	"	
1,2-Dichlorobenzene	"	"	"		125	ND	"	
1,3-Dichlorobenzene	"	"	"		125	ND	"	
1,4-Dichlorobenzene	"	"	"		125	ND	"	
Dichlorodifluoromethane	"	"	"		125	ND	"	
1,1-Dichloroethane	"	"	"		125	ND	"	
1,2-Dichloroethane	"	"	"		12.5	ND	"	
1,1-Dichloroethene	"	"	"		12.5	ND	"	
cis-1,2-Dichloroethene	"	"	"		125	ND	"	
trans-1,2-Dichloroethene	"	"	"		125	ND	"	
1,2-Dichloropropane	"	"	"		12.5	ND	"	
1,3-Dichloropropane	"	"	"		125	ND	"	
2,2-Dichloropropane	"	"	"		125	ND	"	
Di-isopropyl ether	"	"	"		125	ND	"	
Ethylbenzene	"	"	"		125	**322**	"	
Hexachlorobutadiene	"	"	"		250	ND	"	
Isopropylbenzene	"	"	"		125	ND	"	
p-Isopropyltoluene	"	"	"		125	ND	"	
Methylene chloride	"	"	"		5.88	ND	"	
Methyl tert-butyl ether	"	"	"		2.53	ND	"	
Naphthalene	"	"	"		200	ND	"	
n-Propylbenzene	"	"	"		125	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		5.78	ND	"	

Great Lakes Analytical--Oak Creek

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Envirogen - Ashwabenon	Project:	990423	Sampled: 10/20/00 to 10/24/00
790 Marvelle Lne	Project Number:	990423	Received: 10/25/00
Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 11/14/00 15:15

WDNR Volatile Organic Compounds by Method 8260B
Great Lakes Analytical

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-11 (continued)			**W010183-03**				Water	G12,G19,G3,G4,1
Tetrachloroethene	0110124	10/27/00	11/6/00		12.5	ND	ug/l	
Toluene	"	"	"		125	**4470**	"	
1,2,3-Trichlorobenzene	"	"	"		250	ND	"	
1,2,4-Trichlorobenzene	"	"	"		250	ND	"	
1,1,1-Trichloroethane	"	"	"		125	ND	"	
1,1,2-Trichloroethane	"	"	"		3.83	ND	"	
Trichloroethene	"	"	"		12.5	ND	"	
Trichlorofluoromethane	"	"	"		125	ND	"	
1,2,4-Trimethylbenzene	"	"	"		125	**191**	"	
1,3,5-Trimethylbenzene	"	"	"		125	**546**	"	
Vinyl chloride	"	"	"		5.35	ND	"	
Total Xylenes	"	"	"		125	**2800**	"	
Surrogate: Dibromofluoromethane	"	"	"	*77.1-125*		*107*	%	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	*44.1-175*		*93.6*	"	
Surrogate: Toluene-d8	"	"	"	*88.7-115*		*109*	"	
Surrogate: 4-Bromofluorobenzene	"	"	"	*61.5-122*		*91.4*	"	

Great Lakes Analytical--Oak Creek

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790 Marvelle Lne	Project Number:	990423	Received: 10/25/00
Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 11/14/00 15:15

WDNR Volatile Organic Compounds by Method 8260B
Great Lakes Analytical

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-1			**W010183-04**				Water	G19,G3,G4,1
Benzene	0110124	10/27/00	11/7/00		0.500	**187**	ug/l	
Bromobenzene	"	"	"		5.00	ND	"	
Bromodichloromethane	"	"	"		0.480	ND	"	
n-Butylbenzene	"	"	"		5.00	ND	"	
sec-Butylbenzene	"	"	"		5.00	ND	"	
tert-Butylbenzene	"	"	"		5.00	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		5.00	ND	"	
Chloroethane	"	"	"		5.00	ND	"	
Chloroform	"	"	"		0.196	ND	"	
Chloromethane	"	"	"		0.237	ND	"	
2-Chlorotoluene	"	"	"		5.00	ND	"	
4-Chlorotoluene	"	"	"		5.00	ND	"	
Dibromochloromethane	"	"	"		5.00	ND	"	
1,2-Dibromo-3-chloropropane	"	"	"		0.612	ND	"	
1,2-Dibromoethane	"	"	"		0.129	ND	"	
1,2-Dichlorobenzene	"	"	"		5.00	ND	"	
1,3-Dichlorobenzene	"	"	"		5.00	ND	"	
1,4-Dichlorobenzene	"	"	"		5.00	ND	"	
Dichlorodifluoromethane	"	"	"		5.00	ND	"	
1,1-Dichloroethane	"	"	"		5.00	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		5.00	ND	"	
trans-1,2-Dichloroethene	"	"	"		5.00	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
1,3-Dichloropropane	"	"	"		5.00	ND	"	
2,2-Dichloropropane	"	"	"		5.00	ND	"	
Di-isopropyl ether	"	"	"		5.00	ND	"	
Ethylbenzene	"	"	"		10.0	**105**	"	G12
Hexachlorobutadiene	"	"	"		10.0	ND	"	
Isopropylbenzene	"	"	"		5.00	**59.6**	"	
p-Isopropyltoluene	"	"	"		5.00	ND	"	
Methylene chloride	"	"	"		0.235	ND	"	
Methyl tert-butyl ether	"	"	"		0.101	ND	"	
Naphthalene	"	"	"		8.00	**45.0**	"	
n-Propylbenzene	"	"	"		5.00	**188**	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.231	ND	"	

Great Lakes Analytical--Oak Creek

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Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 11/14/00 15:15

WDNR Volatile Organic Compounds by Method 8260B
Great Lakes Analytical

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-1 (continued)			**W010183-04**				**Water**	**G19,G3,G4,1**
Tetrachloroethene	0110124	10/27/00	11/7/00		0.500	ND	ug/l	
Toluene	"	"	"		5.00	ND	"	
1,2,3-Trichlorobenzene	"	"	"		10.0	ND	"	
1,2,4-Trichlorobenzene	"	"	"		10.0	ND	"	
1,1,1-Trichloroethane	"	"	"		5.00	ND	"	
1,1,2-Trichloroethane	"	"	"		0.153	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		5.00	ND	"	
1,2,4-Trimethylbenzene	"	"	"		5.00	**23.2**	"	
1,3,5-Trimethylbenzene	"	"	"		5.00	**48.1**	"	
Vinyl chloride	"	"	"		0.214	ND	"	
Total Xylenes	"	"	"		5.00	**67.0**	"	
Surrogate: Dibromofluoromethane	"	"	"	*77.1-125*		*106*	%	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	*44.1-175*		*103*	"	
Surrogate: Toluene-d8	"	"	"	*88.7-115*		*108*	"	
Surrogate: 4-Bromofluorobenzene	"	"	"	*61.5-122*		*92.6*	"	

Great Lakes Analytical--Oak Creek

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Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 11/14/00 15:15

WDNR Volatile Organic Compounds by Method 8260B
Great Lakes Analytical

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-111			**W010183-05**				Water	G19,G3,G4,1
Benzene	0110124	10/27/00	11/7/00		0.500	**14.6**	ug/l	
Bromobenzene	"	"	"		5.00	ND	"	
Bromodichloromethane	"	"	"		0.480	ND	"	
n-Butylbenzene	"	"	"		5.00	ND	"	
sec-Butylbenzene	"	"	"		5.00	ND	"	
tert-Butylbenzene	"	"	"		5.00	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		5.00	ND	"	
Chloroethane	"	"	"		5.00	ND	"	
Chloroform	"	"	"		0.196	ND	"	
Chloromethane	"	"	"		0.237	ND	"	
2-Chlorotoluene	"	"	"		5.00	ND	"	
4-Chlorotoluene	"	"	"		5.00	ND	"	
Dibromochloromethane	"	"	"		5.00	ND	"	
1,2-Dibromo-3-chloropropane	"	"	"		0.612	ND	"	
1,2-Dibromoethane	"	"	"		0.129	ND	"	
1,2-Dichlorobenzene	"	"	"		5.00	ND	"	
1,3-Dichlorobenzene	"	"	"		5.00	ND	"	
1,4-Dichlorobenzene	"	"	"		5.00	ND	"	
Dichlorodifluoromethane	"	"	"		5.00	ND	"	
1,1-Dichloroethane	"	"	"		5.00	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		5.00	ND	"	
trans-1,2-Dichloroethene	"	"	"		5.00	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
1,3-Dichloropropane	"	"	"		5.00	ND	"	
2,2-Dichloropropane	"	"	"		5.00	ND	"	
Di-isopropyl ether	"	"	"		5.00	ND	"	
Ethylbenzene	"	"	"		5.00	ND	"	
Hexachlorobutadiene	"	"	"		10.0	ND	"	
Isopropylbenzene	"	"	"		5.00	ND	"	
p-Isopropyltoluene	"	"	"		5.00	ND	"	
Methylene chloride	"	"	"		0.235	ND	"	
Methyl tert-butyl ether	"	"	"		0.101	ND	"	
Naphthalene	"	"	"		8.00	ND	"	
n-Propylbenzene	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.231	ND	"	

Great Lakes Analytical--Oak Creek

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790 Marvelle Lne	Project Number:	990423	Received: 10/25/00
Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 11/14/00 15:15

WDNR Volatile Organic Compounds by Method 8260B
Great Lakes Analytical

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-111 (continued)			**W010183-05**				**Water**	**G19,G3,G4,1**
Tetrachloroethene	0110124	10/27/00	11/7/00		0.500	ND	ug/l	
Toluene	"	"	"		5.00	**33.9**	"	
1,2,3-Trichlorobenzene	"	"	"		10.0	ND	"	
1,2,4-Trichlorobenzene	"	"	"		10.0	ND	"	
1,1,1-Trichloroethane	"	"	"		5.00	ND	"	
1,1,2-Trichloroethane	"	"	"		0.153	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		5.00	ND	"	
1,2,4-Trimethylbenzene	"	"	"		5.00	ND	"	
1,3,5-Trimethylbenzene	"	"	"		5.00	ND	"	
Vinyl chloride	"	"	"		0.214	ND	"	
Total Xylenes	"	"	"		5.00	**18.5**	"	
Surrogate: Dibromofluoromethane	"	"	"	*77.1-125*		*105*	%	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	*44.1-175*		*109*	"	
Surrogate: Toluene-d8	"	"	"	*88.7-115*		*114*	"	
Surrogate: 4-Bromofluorobenzene	"	"	"	*61.5-122*		*91.6*	"	

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790 Marvelle Lne	Project Number: 990423	Received:	10/25/00
Ashwabenon, WI 54304	Project Manager: Kris Baron	Reported:	11/14/00 15:15

WDNR Volatile Organic Compounds by Method 8260B
Great Lakes Analytical

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
Decon			**W010183-06**				**Water**	**G19,G3,G4,1**
Benzene	0110124	10/27/00	11/8/00		0.500	ND	ug/l	
Bromobenzene	"	"	"		5.00	ND	"	
Bromodichloromethane	"	"	"		0.480	ND	"	
n-Butylbenzene	"	"	"		5.00	ND	"	
sec-Butylbenzene	"	"	"		5.00	ND	"	
tert-Butylbenzene	"	"	"		5.00	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		5.00	ND	"	
Chloroethane	"	"	"		5.00	ND	"	
Chloroform	"	"	"		0.196	ND	"	
Chloromethane	"	"	"		0.237	ND	"	
2-Chlorotoluene	"	"	"		5.00	ND	"	
4-Chlorotoluene	"	"	"		5.00	ND	"	
Dibromochloromethane	"	"	"		5.00	ND	"	
1,2-Dibromo-3-chloropropane	"	"	"		0.612	ND	"	
1,2-Dibromoethane	"	"	"		0.129	ND	"	
1,2-Dichlorobenzene	"	"	"		5.00	ND	"	
1,3-Dichlorobenzene	"	"	"		5.00	ND	"	
1,4-Dichlorobenzene	"	"	"		5.00	ND	"	
Dichlorodifluoromethane	"	"	"		5.00	ND	"	
1,1-Dichloroethane	"	"	"		5.00	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		5.00	ND	"	
trans-1,2-Dichloroethene	"	"	"		5.00	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
1,3-Dichloropropane	"	"	"		5.00	ND	"	
2,2-Dichloropropane	"	"	"		5.00	ND	"	
Di-isopropyl ether	"	"	"		5.00	ND	"	
Ethylbenzene	"	"	"		5.00	ND	"	
Hexachlorobutadiene	"	"	"		10.0	ND	"	
Isopropylbenzene	"	"	"		5.00	ND	"	
p-Isopropyltoluene	"	"	"		5.00	ND	"	
Methylene chloride	"	"	"		0.235	**2.51**	"	A
Methyl tert-butyl ether	"	"	"		0.101	ND	"	
Naphthalene	"	"	"		8.00	ND	"	
n-Propylbenzene	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.231	ND	"	

Great Lakes Analytical--Oak Creek

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WDNR Volatile Organic Compounds by Method 8260B
Great Lakes Analytical

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
Decon (continued)			**W010183-06**				**Water**	**G19,G3,G4,1**
Tetrachloroethene	0110124	10/27/00	11/8/00		0.500	ND	ug/l	
Toluene	"	"	"		5.00	ND	"	
1,2,3-Trichlorobenzene	"	"	"		10.0	ND	"	
1,2,4-Trichlorobenzene	"	"	"		10.0	ND	"	
1,1,1-Trichloroethane	"	"	"		5.00	ND	"	
1,1,2-Trichloroethane	"	"	"		0.153	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		5.00	ND	"	
1,2,4-Trimethylbenzene	"	"	"		5.00	ND	"	
1,3,5-Trimethylbenzene	"	"	"		5.00	ND	"	
Vinyl chloride	"	"	"		0.214	ND	"	
Total Xylenes	"	"	"		5.00	ND	"	
Surrogate: Dibromofluoromethane	"	"	"	*77.1-125*		*87.4*	%	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	*44.1-175*		*96.0*	"	
Surrogate: Toluene-d8	"	"	"	*88.7-115*		*102*	"	
Surrogate: 4-Bromofluorobenzene	"	"	"	*61.5-122*		*85.4*	"	

Great Lakes Analytical--Oak Creek

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790 Marvelle Lne	Project Number:	990423	Received: 10/25/00
Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 11/14/00 15:15

WDNR Volatile Organic Compounds by Method 8260B (Blank Analysis)
Great Lakes Analytical

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
Trip Blank			**W010183-07**				**Water**	**G19,G3,G4,1**
Benzene	0110124	10/27/00	11/8/00		0.500	ND	ug/l	
Bromobenzene	"	"	"		5.00	ND	"	
Bromodichloromethane	"	"	"		0.480	ND	"	
n-Butylbenzene	"	"	"		5.00	ND	"	
sec-Butylbenzene	"	"	"		5.00	ND	"	
tert-Butylbenzene	"	"	"		5.00	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		5.00	ND	"	
Chloroethane	"	"	"		5.00	ND	"	
Chloroform	"	"	"		0.196	ND	"	
Chloromethane	"	"	"		0.237	ND	"	
2-Chlorotoluene	"	"	"		5.00	ND	"	
4-Chlorotoluene	"	"	"		5.00	ND	"	
Dibromochloromethane	"	"	"		5.00	ND	"	
1,2-Dibromo-3-chloropropane	"	"	"		0.612	ND	"	
1,2-Dibromoethane	"	"	"		0.129	ND	"	
1,2-Dichlorobenzene	"	"	"		5.00	ND	"	
1,3-Dichlorobenzene	"	"	"		5.00	ND	"	
1,4-Dichlorobenzene	"	"	"		5.00	ND	"	
Dichlorodifluoromethane	"	"	"		5.00	ND	"	
1,1-Dichloroethane	"	"	"		5.00	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		5.00	ND	"	
trans-1,2-Dichloroethene	"	"	"		5.00	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
1,3-Dichloropropane	"	"	"		5.00	ND	"	
2,2-Dichloropropane	"	"	"		5.00	ND	"	
Di-isopropyl ether	"	"	"		5.00	ND	"	
Ethylbenzene	"	"	"		5.00	ND	"	
Hexachlorobutadiene	"	"	"		10.0	ND	"	
Isopropylbenzene	"	"	"		5.00	ND	"	
p-Isopropyltoluene	"	"	"		5.00	ND	"	
Methylene chloride	"	"	"		0.235	**2.54**	"	A
Methyl tert-butyl ether	"	"	"		0.101	ND	"	
Naphthalene	"	"	"		8.00	ND	"	
n-Propylbenzene	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.231	ND	"	

Great Lakes Analytical--Oak Creek

**Refer to end of report for text of notes and definitions.*

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Envirogen - Ashwabenon	Project:	990423	Sampled: 10/20/00 to 10/24/00
790 Marvelle Lne	Project Number:	990423	Received: 10/25/00
Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 11/14/00 15:15

WDNR Volatile Organic Compounds by Method 8260B (Blank Analysis)
Great Lakes Analytical

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
Trip Blank (continued)			**W010183-07**				**Water**	**G19,G3,G4,1**
Tetrachloroethene	0110124	10/27/00	11/8/00		0.500	ND	ug/l	
Toluene	"	"	"		5.00	ND	"	
1,2,3-Trichlorobenzene	"	"	"		10.0	ND	"	
1,2,4-Trichlorobenzene	"	"	"		10.0	ND	"	
1,1,1-Trichloroethane	"	"	"		5.00	ND	"	
1,1,2-Trichloroethane	"	"	"		0.153	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		5.00	ND	"	
1,2,4-Trimethylbenzene	"	"	"		5.00	ND	"	
1,3,5-Trimethylbenzene	"	"	"		5.00	ND	"	
Vinyl chloride	"	"	"		0.214	ND	"	
Total Xylenes	"	"	"		5.00	ND	"	
Surrogate: Dibromofluoromethane	"	"	"	*77.1-125*		*88.8*	%	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	*44.1-175*		*86.2*	"	
Surrogate: Toluene-d8	"	"	"	*88.7-115*		*102*	"	
Surrogate: 4-Bromofluorobenzene	"	"	"	*61.5-122*		*78.4*	"	

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790 Marvelle Lne	Project Number:	990423	Received: 10/25/00
Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 11/14/00 15:15

Diesel Range Organics (DRO) by WDNR DRO/Quality Control
Great Lakes Analytical--Oak Creek

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0100101	**Date Prepared: 10/30/00**					**Extraction Method: EPA 3510C**				
Blank	**0100101-BLK1**									
Diesel Range Organics (DRO)	10/30/00			ND	mg/l	**0.100**				
LCS	**0100101-BS1**									
Diesel Range Organics (DRO)	10/30/00	1.00		0.947	mg/l	75.0-115	94.7			
LCS Dup	**0100101-BSD1**									
Diesel Range Organics (DRO)	10/30/00	1.00		0.872	mg/l	75.0-115	87.2	20.0	8.25	

Great Lakes Analytical--Oak Creek

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790 Marvelle Lne	Project Number:	990423	Received: 10/25/00
Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 11/14/00 15:15

Gasoline Range Organics (GRO) by WDNR GRO/Quality Control
Great Lakes Analytical--Oak Creek

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0100104	**Date Prepared: 10/30/00**					**Extraction Method: EPA 5030B (P/T)**				
Blank	**0100104-BLK1**									
Gasoline Range Organics (GRO)	10/30/00			ND	ug/l	50.0				
LCS	**0100104-BS1**									
Gasoline Range Organics (GRO)	10/30/00	200		208	ug/l	80.0-120	104			
Matrix Spike	**0100104-MS1**		**W010183-02**							
Gasoline Range Organics (GRO)	10/31/00	200	ND	171	ug/l	72.9-129	**85.5**			
Matrix Spike Dup	**0100104-MSD1**		**W010183-02**							
Gasoline Range Organics (GRO)	11/1/00	200	ND	184	ug/l	72.9-129	**92.0**	23.3	**7.32**	

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790 Marvelle Lne	Project Number: 990423	Received:	10/25/00
Ashwabenon, WI 54304	Project Manager: Kris Baron	Reported:	11/14/00 15:15

Polynuclear Aromatic Compounds by EPA Method 8310/Quality Control
Great Lakes Analytical

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0100624	**Date Prepared: 10/31/00**					**Extraction Method: EPA 3550B**				
Blank	**0100624-BLK1**									
Acenaphthene	11/9/00			ND	ug/l	5.00				
Acenaphthylene	"			ND	"	4.00				
Anthracene	"			ND	"	0.200				
Benz (a) anthracene	"			ND	"	0.0100				
Benzo (a) pyrene	"			ND	"	0.0200				
Benzo (b) fluoranthene	"			ND	"	0.0200				
Benzo (ghi) perylene	"			ND	"	0.0600				
Benzo (k) fluoranthene	"			ND	"	0.0100				
Chrysene	"			ND	"	0.0500				
Dibenz (a,h) anthracene	"			ND	"	0.0200				
Fluoranthene	"			ND	"	1.00				
Fluorene	"			ND	"	1.00				
Indeno (1,2,3-cd) pyrene	"			ND	"	0.400				
1-Methylnaphthalene	"			ND	"	3.00				
2-Methylnaphthalene	"			ND	"	3.00				
Naphthalene	"			ND	"	3.00				
Phenanthrene	"			ND	"	0.300				
Pyrene	"			ND	"	1.00				
Surrogate: Carbazole	"	*5.00*		*4.39*	"	*10.3-163*	*87.8*			
LCS	**0100624-BS1**									
Acenaphthene	11/9/00	20.0		16.5	ug/l	10.0-120	82.5			
Acenaphthylene	"	20.0		16.8	"	10.0-130	84.0			
Anthracene	"	20.0		17.4	"	20.7-126	87.0			
Benz (a) anthracene	"	20.0		15.3	"	25.0-117	76.5			
Benzo (a) pyrene	"	20.0		10.5	"	20.7-118	52.5			
Benzo (b) fluoranthene	"	20.0		11.1	"	20.2-115	55.5			
Benzo (ghi) perylene	"	20.0		6.88	"	14.4-120	34.4			
Benzo (k) fluoranthene	"	20.0		10.3	"	14.7-121	51.5			
Chrysene	"	20.0		15.1	"	27.0-116	75.5			
Dibenz (a,h) anthracene	"	20.0		6.80	"	11.2-119	34.0			
Fluoranthene	"	20.0		16.4	"	27.5-127	82.0			
Fluorene	"	20.0		14.5	"	24.0-112	72.5			
Indeno (1,2,3-cd) pyrene	"	20.0		6.64	"	10.8-118	33.2			
1-Methylnaphthalene	"	5.00		5.15	"	10.0-261	103			
2-Methylnaphthalene	"	5.00		4.12	"	10.0-218	82.4			
Naphthalene	"	20.0		15.5	"	27.2-100	77.5			

Great Lakes Analytical--Oak Creek

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790 Marvelle Lne	Project Number:	990423	Received: 10/25/00
Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 11/14/00 15:15

Polynuclear Aromatic Compounds by EPA Method 8310/Quality Control
Great Lakes Analytical

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
LCS (continued)	**0100624-BS1**									
Phenanthrene	11/9/00	20.0		17.1	ug/l	27.6-112	85.5			
Pyrene	"	20.0		18.0	"	23.7-128	90.0			
Surrogate: Carbazole	"	*5.00*		*4.21*	"	*10.3-163*	*84.2*			
LCS Dup	**0100624-BSD1**									
Acenaphthene	11/9/00	20.0		16.2	ug/l	10.0-120	81.0	52.4	1.83	
Acenaphthylene	"	20.0		16.3	"	10.0-130	81.5	70.6	3.02	
Anthracene	"	20.0		17.2	"	20.7-126	86.0	48.2	1.16	
Benz (a) anthracene	"	20.0		15.9	"	25.0-117	79.5	43.6	3.85	
Benzo (a) pyrene	"	20.0		12.2	"	20.7-118	61.0	40.2	15.0	
Benzo (b) fluoranthene	"	20.0		12.1	"	20.2-115	60.5	46.0	8.62	
Benzo (ghi) perylene	"	20.0		9.90	"	14.4-120	49.5	45.7	36.0	
Benzo (k) fluoranthene	"	20.0		12.3	"	14.7-121	61.5	42.1	17.7	
Chrysene	"	20.0		15.9	"	27.0-116	79.5	44.5	5.16	
Dibenz (a,h) anthracene	"	20.0		10.0	"	11.2-119	50.0	46.5	38.1	
Fluoranthene	"	20.0		15.9	"	27.5-127	79.5	52.1	3.10	
Fluorene	"	20.0		15.3	"	24.0-112	76.5	50.7	5.37	
Indeno (1,2,3-cd) pyrene	"	20.0		8.61	"	10.8-118	43.0	41.6	25.7	
1-Methylnaphthalene	"	5.00		4.16	"	10.0-261	83.2	68.1	21.3	
2-Methylnaphthalene	"	5.00		4.17	"	10.0-218	83.4	79.4	1.21	
Naphthalene	"	20.0		15.7	"	27.2-100	78.5	53.6	1.28	
Phenanthrene	"	20.0		17.3	"	27.6-112	86.5	44.3	1.16	
Pyrene	"	20.0		17.7	"	23.7-128	88.5	52.0	1.68	
Surrogate: Carbazole	"	*5.00*		*4.16*	"	*10.3-163*	*83.2*			

Great Lakes Analytical--Oak Creek

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790 Marvelle Lne	Project Number:	990423	Received: 10/25/00
Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 11/14/00 15:15

WDNR Volatile Organic Compounds by Method 8260B/Quality Control
Great Lakes Analytical

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0110124	**Date Prepared: 10/27/00**					**Extraction Method: EPA 5030B (P/T)**				
Blank	**0110124-BLK1**									
Benzene	11/7/00			ND	ug/l	0.500				
Bromobenzene	"			ND	"	5.00				
Bromodichloromethane	"			ND	"	0.480				
n-Butylbenzene	"			ND	"	5.00				
sec-Butylbenzene	"			ND	"	5.00				
tert-Butylbenzene	"			ND	"	5.00				
Carbon tetrachloride	"			ND	"	0.500				
Chlorobenzene	"			ND	"	5.00				
Chloroethane	"			ND	"	5.00				
Chloroform	"			ND	"	0.196				
Chloromethane	"			ND	"	0.237				
2-Chlorotoluene	"			ND	"	5.00				
4-Chlorotoluene	"			ND	"	5.00				
Dibromochloromethane	"			ND	"	5.00				
1,2-Dibromo-3-chloropropane	"			ND	"	0.612				
1,2-Dibromoethane	"			ND	"	0.129				
1,2-Dichlorobenzene	"			ND	"	5.00				
1,3-Dichlorobenzene	"			ND	"	5.00				
1,4-Dichlorobenzene	"			ND	"	5.00				
Dichlorodifluoromethane	"			ND	"	5.00				
1,1-Dichloroethane	"			ND	"	5.00				
1,2-Dichloroethane	"			ND	"	0.500				
1,1-Dichloroethene	"			ND	"	0.500				
cis-1,2-Dichloroethene	"			ND	"	5.00				
trans-1,2-Dichloroethene	"			ND	"	5.00				
1,2-Dichloropropane	"			ND	"	0.500				
1,3-Dichloropropane	"			ND	"	5.00				
2,2-Dichloropropane	"			ND	"	5.00				
Di-isopropyl ether	"			ND	"	5.00				
Ethylbenzene	"			ND	"	5.00				
Hexachlorobutadiene	"			ND	"	10.0				
Isopropylbenzene	"			ND	"	5.00				
p-Isopropyltoluene	"			ND	"	5.00				
Methylene chloride	"			ND	"	0.235				
Methyl tert-butyl ether	"			ND	"	0.101				
Naphthalene	"			ND	"	8.00				
n-Propylbenzene	"			ND	"	5.00				

Great Lakes Analytical--Oak Creek

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Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 11/14/00 15:15

WDNR Volatile Organic Compounds by Method 8260B/Quality Control
Great Lakes Analytical

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Blank (continued)	**0110124-BLK1**									
1,1,2,2-Tetrachloroethane	11/7/00			ND	ug/l	0.231				
Tetrachloroethene	"			ND	"	0.500				
Toluene	"			ND	"	5.00				
1,2,3-Trichlorobenzene	"			ND	"	10.0				
1,2,4-Trichlorobenzene	"			ND	"	10.0				
1,1,1-Trichloroethane	"			ND	"	5.00				
1,1,2-Trichloroethane	"			ND	"	0.153				
Trichloroethene	"			ND	"	0.500				
Trichlorofluoromethane	"			ND	"	5.00				
1,2,4-Trimethylbenzene	"			ND	"	5.00				
1,3,5-Trimethylbenzene	"			ND	"	5.00				
Vinyl chloride	"			ND	"	0.214				
Total Xylenes	"			ND	"	5.00				
Surrogate: Dibromofluoromethane	"	*50.0*		*49.1*	"	*77.1-125*	*98.2*			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*47.8*	"	*44.1-175*	*95.6*			
Surrogate: Toluene-d8	"	*50.0*		*57.2*	"	*88.7-115*	*114*			
Surrogate: 4-Bromofluorobenzene	"	*50.0*		*45.5*	"	*61.5-122*	*91.0*			
LCS	**0110124-BS1**									
Benzene	11/7/00	50.0		54.7	ug/l	52.6-134	109			
Bromobenzene	"	50.0		51.7	"	80.0-120	103			
Bromodichloromethane	"	50.0		65.5	"	35.8-137	131			
n-Butylbenzene	"	50.0		33.2	"	80.0-120	66.4			
sec-Butylbenzene	"	50.0		42.8	"	80.0-120	85.6			
tert-Butylbenzene	"	50.0		44.2	"	80.0-120	88.4			
Carbon tetrachloride	"	50.0		61.5	"	24.6-191	123			
Chlorobenzene	"	50.0		50.0	"	54.0-130	100			
Chloroethane	"	50.0		32.9	"	23.0-142	65.8			
Chloroform	"	50.0		58.3	"	50.9-132	117			
Chloromethane	"	50.0		56.4	"	23.6-170	113			
2-Chlorotoluene	"	50.0		46.8	"	80.0-120	93.6			
4-Chlorotoluene	"	50.0		39.5	"	80.0-120	79.0			
Dibromochloromethane	"	50.0		52.1	"	10.0-172	104			
1,2-Dibromo-3-chloropropane	"	50.0		61.4	"	80.0-120	123			
1,2-Dibromoethane	"	50.0		46.7	"	80.0-120	93.4			
1,2-Dichlorobenzene	"	50.0		45.6	"	80.0-120	91.2			
1,3-Dichlorobenzene	"	50.0		45.5	"	80.0-120	91.0			
1,4-Dichlorobenzene	"	50.0		45.4	"	80.0-120	90.8			

Great Lakes Analytical--Oak Creek

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Ashwabenon, WI 54304	Project Manager: Kris Baron	Reported:	11/14/00 15:15

WDNR Volatile Organic Compounds by Method 8260B/Quality Control
Great Lakes Analytical

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
LCS (continued)	**0110124-BS1**									
Dichlorodifluoromethane	11/7/00	50.0		60.9	ug/l	80.0-120	122			
1,1-Dichloroethane	"	50.0		50.4	"	46.0-138	101			
1,2-Dichloroethane	"	50.0		58.9	"	23.4-139	118			
1,1-Dichloroethene	"	50.0		51.0	"	38.7-161	102			
cis-1,2-Dichloroethene	"	50.0		46.9	"	39.7-132	93.8			
trans-1,2-Dichloroethene	"	50.0		53.4	"	39.5-139	107			
1,2-Dichloropropane	"	50.0		50.1	"	51.1-120	100			
1,3-Dichloropropane	"	50.0		51.2	"	80.0-120	102			
2,2-Dichloropropane	"	50.0		53.6	"	80.0-120	107			
Di-isopropyl ether	"	50.0		46.3	"	80.0-120	92.6			
Ethylbenzene	"	50.0		52.1	"	53.3-137	104			
Hexachlorobutadiene	"	50.0		51.6	"	80.0-120	103			
Isopropylbenzene	"	50.0		45.0	"	80.0-120	90.0			
p-Isopropyltoluene	"	50.0		39.8	"	80.0-120	79.6			
Methylene chloride	"	50.0		49.1	"	33.3-140	98.2			
Methyl tert-butyl ether	"	50.0		56.5	"	80.0-120	113			
Naphthalene	"	50.0		33.2	"	80.0-120	66.4			
n-Propylbenzene	"	50.0		44.4	"	80.0-120	88.8			
1,1,2,2-Tetrachloroethane	"	50.0		41.5	"	23.4-150	83.0			
Tetrachloroethene	"	50.0		51.3	"	54.7-145	103			
Toluene	"	50.0		58.4	"	52.9-130	117			
1,2,3-Trichlorobenzene	"	50.0		28.1	"	80.0-120	56.2			
1,2,4-Trichlorobenzene	"	50.0		29.5	"	80.0-120	59.0			
1,1,1-Trichloroethane	"	50.0		59.5	"	46.4-148	119			
1,1,2-Trichloroethane	"	50.0		58.8	"	13.1-140	118			
Trichloroethene	"	50.0		64.6	"	48.6-123	129			
Trichlorofluoromethane	"	50.0		49.2	"	29.4-167	98.4			
1,2,4-Trimethylbenzene	"	50.0		35.9	"	80.0-120	71.8			
1,3,5-Trimethylbenzene	"	50.0		37.1	"	80.0-120	74.2			
Vinyl chloride	"	50.0		59.7	"	52.1-135	119			
Total Xylenes	"	150		155	"	27.6-137	103			
Surrogate: Dibromofluoromethane	"	*50.0*		*47.4*	"	*77.1-125*	*94.8*			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*58.5*	"	*44.1-175*	*117*			
Surrogate: Toluene-d8	"	*50.0*		*53.0*	"	*88.7-115*	*106*			
Surrogate: 4-Bromofluorobenzene	"	*50.0*		*54.8*	"	*61.5-122*	*110*			
LCS Dup	**0110124-BSD1**									
Benzene	11/7/00	50.0		54.2	ug/l	52.6-134	108	20.0	0.922	

Great Lakes Analytical--Oak Creek

**Refer to end of report for text of notes and definitions.*

Andrea Stathas, Project Manager

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Envirogen - Ashwabenon	Project:	990423	Sampled: 10/20/00 to 10/24/00
790 Marvelle Lne	Project Number:	990423	Received: 10/25/00
Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 11/14/00 15:15

WDNR Volatile Organic Compounds by Method 8260B/Quality Control
Great Lakes Analytical

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
LCS Dup (continued)	**0110124-BSD1**									
Bromobenzene	11/7/00	50.0		45.6	ug/l	80.0-120	91.2	20.0	12.2	
Bromodichloromethane	"	50.0		65.0	"	35.8-137	130	20.0	0.766	
n-Butylbenzene	"	50.0		25.9	"	80.0-120	51.8	20.0	24.7	
sec-Butylbenzene	"	50.0		36.6	"	80.0-120	73.2	20.0	15.6	
tert-Butylbenzene	"	50.0		39.0	"	80.0-120	78.0	20.0	12.5	
Carbon tetrachloride	"	50.0		63.3	"	24.6-191	127	20.0	3.20	
Chlorobenzene	"	50.0		46.2	"	54.0-130	92.4	20.0	7.90	
Chloroethane	"	50.0		39.3	"	23.0-142	78.6	20.0	17.7	
Chloroform	"	50.0		58.0	"	50.9-132	116	20.0	0.858	
Chloromethane	"	50.0		59.3	"	23.6-170	119	20.0	5.17	
2-Chlorotoluene	"	50.0		44.8	"	80.0-120	89.6	20.0	4.37	
4-Chlorotoluene	"	50.0		35.6	"	80.0-120	71.2	20.0	10.4	
Dibromochloromethane	"	50.0		50.5	"	10.0-172	101	20.0	2.93	
1,2-Dibromo-3-chloropropane	"	50.0		40.6	"	80.0-120	81.2	20.0	40.9	
1,2-Dibromoethane	"	50.0		41.2	"	80.0-120	82.4	20.0	12.5	
1,2-Dichlorobenzene	"	50.0		39.4	"	80.0-120	78.8	20.0	14.6	
1,3-Dichlorobenzene	"	50.0		37.7	"	80.0-120	75.4	20.0	18.7	
1,4-Dichlorobenzene	"	50.0		37.3	"	80.0-120	74.6	20.0	19.6	
Dichlorodifluoromethane	"	50.0		62.5	"	80.0-120	125	20.0	2.43	
1,1-Dichloroethane	"	50.0		48.6	"	46.0-138	97.2	20.0	3.83	
1,2-Dichloroethane	"	50.0		57.7	"	23.4-139	115	20.0	2.58	
1,1-Dichloroethene	"	50.0		50.9	"	38.7-161	102	20.0	0	
cis-1,2-Dichloroethene	"	50.0		51.5	"	39.7-132	103	20.0	9.35	
trans-1,2-Dichloroethene	"	50.0		50.4	"	39.5-139	101	20.0	5.77	
1,2-Dichloropropane	"	50.0		51.1	"	51.1-120	102	20.0	1.98	
1,3-Dichloropropane	"	50.0		47.2	"	80.0-120	94.4	20.0	7.74	
2,2-Dichloropropane	"	50.0		27.2	"	80.0-120	54.4	20.0	65.2	
Di-isopropyl ether	"	50.0		46.6	"	80.0-120	93.2	20.0	0.646	
Ethylbenzene	"	50.0		44.2	"	53.3-137	88.4	20.0	16.2	
Hexachlorobutadiene	"	50.0		39.7	"	80.0-120	79.4	20.0	25.9	
Isopropylbenzene	"	50.0		40.1	"	80.0-120	80.2	20.0	11.5	
p-Isopropyltoluene	"	50.0		33.1	"	80.0-120	66.2	20.0	18.4	
Methylene chloride	"	50.0		52.5	"	33.3-140	105	20.0	6.69	
Methyl tert-butyl ether	"	50.0		55.5	"	80.0-120	111	20.0	1.79	
Naphthalene	"	50.0		19.9	"	80.0-120	39.8	20.0	50.1	
n-Propylbenzene	"	50.0		36.9	"	80.0-120	73.8	20.0	18.5	
1,1,2,2-Tetrachloroethane	"	50.0		16.9	"	23.4-150	33.8	20.0	84.2	
Tetrachloroethene	"	50.0		44.8	"	54.7-145	89.6	20.0	13.9	

Great Lakes Analytical--Oak Creek

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Envirogen - Ashwabenon	Project:	990423	Sampled: 10/20/00 to 10/24/00
790 Marvelle Lne	Project Number:	990423	Received: 10/25/00
Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 11/14/00 15:15

WDNR Volatile Organic Compounds by Method 8260B/Quality Control
Great Lakes Analytical

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
LCS Dup (continued)	**0110124-BSD1**									
Toluene	11/7/00	50.0		56.0	ug/l	52.9-130	112	20.0	4.37	
1,2,3-Trichlorobenzene	"	50.0		17.7	"	80.0-120	35.4	20.0	45.4	
1,2,4-Trichlorobenzene	"	50.0		23.7	"	80.0-120	47.4	20.0	21.8	
1,1,1-Trichloroethane	"	50.0		64.4	"	46.4-148	129	20.0	8.06	
1,1,2-Trichloroethane	"	50.0		57.3	"	13.1-140	115	20.0	2.58	
Trichloroethene	"	50.0		78.6	"	48.6-123	157	20.0	19.6	
Trichlorofluoromethane	"	50.0		74.2	"	29.4-167	148	20.0	40.3	
1,2,4-Trimethylbenzene	"	50.0		29.8	"	80.0-120	59.6	20.0	18.6	
1,3,5-Trimethylbenzene	"	50.0		32.4	"	80.0-120	64.8	20.0	13.5	
Vinyl chloride	"	50.0		60.2	"	52.1-135	120	20.0	0.837	
Total Xylenes	"	150		131	"	27.6-137	87.3	20.0	16.5	
Surrogate: Dibromofluoromethane	"	*50.0*		*60.7*	"	*77.1-125*	*121*			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*54.9*	"	*44.1-175*	*110*			
Surrogate: Toluene-d8	"	*50.0*		*54.7*	"	*88.7-115*	*109*			
Surrogate: 4-Bromofluorobenzene	"	*50.0*		*57.8*	"	*61.5-122*	*116*			

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790 Marvelle Lne	Project Number:	990423	Received: 10/25/00
Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 11/14/00 15:15

WDNR Volatile Organic Compounds by Method 8260B (Blank Analysis)/Quality Control
Great Lakes Analytical

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0110124	**Date Prepared: 10/27/00**				**Extraction Method: EPA 5030B (P/T)**					
Blank	**0110124-BLK1**									
Benzene	11/7/00			ND	ug/l	0.500				
Bromobenzene	"			ND	"	5.00				
Bromodichloromethane	"			ND	"	0.480				
n-Butylbenzene	"			ND	"	5.00				
sec-Butylbenzene	"			ND	"	5.00				
tert-Butylbenzene	"			ND	"	5.00				
Carbon tetrachloride	"			ND	"	0.500				
Chlorobenzene	"			ND	"	5.00				
Chloroethane	"			ND	"	5.00				
Chloroform	"			ND	"	0.196				
Chloromethane	"			ND	"	0.237				
2-Chlorotoluene	"			ND	"	5.00				
4-Chlorotoluene	"			ND	"	5.00				
Dibromochloromethane	"			ND	"	5.00				
1,2-Dibromo-3-chloropropane	"			ND	"	0.612				
1,2-Dibromoethane	"			ND	"	0.129				
1,2-Dichlorobenzene	"			ND	"	5.00				
1,3-Dichlorobenzene	"			ND	"	5.00				
1,4-Dichlorobenzene	"			ND	"	5.00				
Dichlorodifluoromethane	"			ND	"	5.00				
1,1-Dichloroethane	"			ND	"	5.00				
1,2-Dichloroethane	"			ND	"	0.500				
1,1-Dichloroethene	"			ND	"	0.500				
cis-1,2-Dichloroethene	"			ND	"	5.00				
trans-1,2-Dichloroethene	"			ND	"	5.00				
1,2-Dichloropropane	"			ND	"	0.500				
1,3-Dichloropropane	"			ND	"	5.00				
2,2-Dichloropropane	"			ND	"	5.00				
Di-isopropyl ether	"			ND	"	5.00				
Ethylbenzene	"			ND	"	5.00				
Hexachlorobutadiene	"			ND	"	10.0				
Isopropylbenzene	"			ND	"	5.00				
p-Isopropyltoluene	"			ND	"	5.00				
Methylene chloride	"			ND	"	0.235				
Methyl tert-butyl ether	"			ND	"	0.101				
Naphthalene	"			ND	"	8.00				
n-Propylbenzene	"			ND	"	5.00				

Great Lakes Analytical--Oak Creek

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Envirogen - Ashwabenon	Project:	990423	Sampled: 10/20/00 to 10/24/00
790 Marvelle Lne	Project Number:	990423	Received: 10/25/00
Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 11/14/00 15:15

WDNR Volatile Organic Compounds by Method 8260B (Blank Analysis)/Quality Control
Great Lakes Analytical

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Blank (continued)	**0110124-BLK1**									
1,1,2,2-Tetrachloroethane	11/7/00			ND	ug/l	0.231				
Tetrachloroethene	"			ND	"	0.500				
Toluene	"			ND	"	5.00				
1,2,3-Trichlorobenzene	"			ND	"	10.0				
1,2,4-Trichlorobenzene	"			ND	"	10.0				
1,1,1-Trichloroethane	"			ND	"	5.00				
1,1,2-Trichloroethane	"			ND	"	0.153				
Trichloroethene	"			ND	"	0.500				
Trichlorofluoromethane	"			ND	"	5.00				
1,2,4-Trimethylbenzene	"			ND	"	5.00				
1,3,5-Trimethylbenzene	"			ND	"	5.00				
Vinyl chloride	"			ND	"	0.214				
Total Xylenes	"			ND	"	5.00				
Surrogate: Dibromofluoromethane	"	*50.0*		*49.1*	"	*77.1-125*	*98.2*			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*47.8*	"	*44.1-175*	*95.6*			
Surrogate: Toluene-d8	"	*50.0*		*57.2*	"	*88.7-115*	*114*			
Surrogate: 4-Bromofluorobenzene	"	*50.0*		*45.5*	"	*61.5-122*	*91.0*			
LCS	**0110124-BS1**									
Benzene	11/7/00	50.0		54.7	ug/l	52.6-134	109			
Bromobenzene	"	50.0		51.7	"	80.0-120	103			
Bromodichloromethane	"	50.0		65.5	"	35.8-137	131			
n-Butylbenzene	"	50.0		33.2	"	80.0-120	66.4			
sec-Butylbenzene	"	50.0		42.8	"	80.0-120	85.6			
tert-Butylbenzene	"	50.0		44.2	"	80.0-120	88.4			
Carbon tetrachloride	"	50.0		61.5	"	24.6-191	123			
Chlorobenzene	"	50.0		50.0	"	54.0-130	100			
Chloroethane	"	50.0		32.9	"	23.0-142	65.8			
Chloroform	"	50.0		58.3	"	50.9-132	117			
Chloromethane	"	50.0		56.4	"	23.6-170	113			
2-Chlorotoluene	"	50.0		46.8	"	80.0-120	93.6			
4-Chlorotoluene	"	50.0		39.5	"	80.0-120	79.0			
Dibromochloromethane	"	50.0		52.1	"	10.0-172	104			
1,2-Dibromo-3-chloropropane	"	50.0		61.4	"	80.0-120	123			
1,2-Dibromoethane	"	50.0		46.7	"	80.0-120	93.4			
1,2-Dichlorobenzene	"	50.0		45.6	"	80.0-120	91.2			
1,3-Dichlorobenzene	"	50.0		45.5	"	80.0-120	91.0			
1,4-Dichlorobenzene	"	50.0		45.4	"	80.0-120	90.8			

Great Lakes Analytical--Oak Creek

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790 Marvelle Lne	Project Number:	990423	Received: 10/25/00
Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 11/14/00 15:15

WDNR Volatile Organic Compounds by Method 8260B (Blank Analysis)/Quality Control
Great Lakes Analytical

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
LCS (continued)	**0110124-BS1**									
Dichlorodifluoromethane	11/7/00	50.0		60.9	ug/l	80.0-120	122			
1,1-Dichloroethane	"	50.0		50.4	"	46.0-138	101			
1,2-Dichloroethane	"	50.0		58.9	"	23.4-139	118			
1,1-Dichloroethene	"	50.0		51.0	"	38.7-161	102			
cis-1,2-Dichloroethene	"	50.0		46.9	"	39.7-132	93.8			
trans-1,2-Dichloroethene	"	50.0		53.4	"	39.5-139	107			
1,2-Dichloropropane	"	50.0		50.1	"	51.1-120	100			
1,3-Dichloropropane	"	50.0		51.2	"	80.0-120	102			
2,2-Dichloropropane	"	50.0		53.6	"	80.0-120	107			
Di-isopropyl ether	"	50.0		46.3	"	80.0-120	92.6			
Ethylbenzene	"	50.0		52.1	"	53.3-137	104			
Hexachlorobutadiene	"	50.0		51.6	"	80.0-120	103			
Isopropylbenzene	"	50.0		45.0	"	80.0-120	90.0			
p-Isopropyltoluene	"	50.0		39.8	"	80.0-120	79.6			
Methylene chloride	"	50.0		49.1	"	33.3-140	98.2			
Methyl tert-butyl ether	"	50.0		56.5	"	80.0-120	113			
Naphthalene	"	50.0		33.2	"	80.0-120	66.4			
n-Propylbenzene	"	50.0		44.4	"	80.0-120	88.8			
1,1,2,2-Tetrachloroethane	"	50.0		41.5	"	23.4-150	83.0			
Tetrachloroethene	"	50.0		51.3	"	54.7-145	103			
Toluene	"	50.0		58.4	"	52.9-130	117			
1,2,3-Trichlorobenzene	"	50.0		28.1	"	80.0-120	56.2			
1,2,4-Trichlorobenzene	"	50.0		29.5	"	80.0-120	59.0			
1,1,1-Trichloroethane	"	50.0		59.5	"	46.4-148	119			
1,1,2-Trichloroethane	"	50.0		58.8	"	13.1-140	118			
Trichloroethene	"	50.0		64.6	"	48.6-123	129			
Trichlorofluoromethane	"	50.0		49.2	"	29.4-167	98.4			
1,2,4-Trimethylbenzene	"	50.0		35.9	"	80.0-120	71.8			
1,3,5-Trimethylbenzene	"	50.0		37.1	"	80.0-120	74.2			
Vinyl chloride	"	50.0		59.7	"	52.1-135	119			
Total Xylenes	"	150		155	"	27.6-137	103			
Surrogate: Dibromofluoromethane	"	*50.0*		*47.4*	"	*77.1-125*	*94.8*			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*58.5*	"	*44.1-175*	*117*			
Surrogate: Toluene-d8	"	*50.0*		*53.0*	"	*88.7-115*	*106*			
Surrogate: 4-Bromofluorobenzene	"	*50.0*		*54.8*	"	*61.5-122*	*110*			
LCS Dup	**0110124-BSD1**									
Benzene	11/7/00	50.0		54.2	ug/l	52.6-134	108	20.0	0.922	

Great Lakes Analytical--Oak Creek

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WDNR Volatile Organic Compounds by Method 8260B (Blank Analysis)/Quality Control
Great Lakes Analytical

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
LCS Dup (continued)	**0110124-BSD1**									
Bromobenzene	11/7/00	50.0		45.6	ug/l	80.0-120	91.2	20.0	12.2	
Bromodichloromethane	"	50.0		65.0	"	35.8-137	130	20.0	0.766	
n-Butylbenzene	"	50.0		25.9	"	80.0-120	51.8	20.0	24.7	
sec-Butylbenzene	"	50.0		36.6	"	80.0-120	73.2	20.0	15.6	
tert-Butylbenzene	"	50.0		39.0	"	80.0-120	78.0	20.0	12.5	
Carbon tetrachloride	"	50.0		63.3	"	24.6-191	127	20.0	3.20	
Chlorobenzene	"	50.0		46.2	"	54.0-130	92.4	20.0	7.90	
Chloroethane	"	50.0		39.3	"	23.0-142	78.6	20.0	17.7	
Chloroform	"	50.0		58.0	"	50.9-132	116	20.0	0.858	
Chloromethane	"	50.0		59.3	"	23.6-170	119	20.0	5.17	
2-Chlorotoluene	"	50.0		44.8	"	80.0-120	89.6	20.0	4.37	
4-Chlorotoluene	"	50.0		35.6	"	80.0-120	71.2	20.0	10.4	
Dibromochloromethane	"	50.0		50.5	"	10.0-172	101	20.0	2.93	
1,2-Dibromo-3-chloropropane	"	50.0		40.6	"	80.0-120	81.2	20.0	40.9	
1,2-Dibromoethane	"	50.0		41.2	"	80.0-120	82.4	20.0	12.5	
1,2-Dichlorobenzene	"	50.0		39.4	"	80.0-120	78.8	20.0	14.6	
1,3-Dichlorobenzene	"	50.0		37.7	"	80.0-120	75.4	20.0	18.7	
1,4-Dichlorobenzene	"	50.0		37.3	"	80.0-120	74.6	20.0	19.6	
Dichlorodifluoromethane	"	50.0		62.5	"	80.0-120	125	20.0	2.43	
1,1-Dichloroethane	"	50.0		48.6	"	46.0-138	97.2	20.0	3.83	
1,2-Dichloroethane	"	50.0		57.7	"	23.4-139	115	20.0	2.58	
1,1-Dichloroethene	"	50.0		50.9	"	38.7-161	102	20.0	0	
cis-1,2-Dichloroethene	"	50.0		51.5	"	39.7-132	103	20.0	9.35	
trans-1,2-Dichloroethene	"	50.0		50.4	"	39.5-139	101	20.0	5.77	
1,2-Dichloropropane	"	50.0		51.1	"	51.1-120	102	20.0	1.98	
1,3-Dichloropropane	"	50.0		47.2	"	80.0-120	94.4	20.0	7.74	
2,2-Dichloropropane	"	50.0		27.2	"	80.0-120	54.4	20.0	65.2	
Di-isopropyl ether	"	50.0		46.6	"	80.0-120	93.2	20.0	0.646	
Ethylbenzene	"	50.0		44.2	"	53.3-137	88.4	20.0	16.2	
Hexachlorobutadiene	"	50.0		39.7	"	80.0-120	79.4	20.0	25.9	
Isopropylbenzene	"	50.0		40.1	"	80.0-120	80.2	20.0	11.5	
p-Isopropyltoluene	"	50.0		33.1	"	80.0-120	66.2	20.0	18.4	
Methylene chloride	"	50.0		52.5	"	33.3-140	105	20.0	6.69	
Methyl tert-butyl ether	"	50.0		55.5	"	80.0-120	111	20.0	1.79	
Naphthalene	"	50.0		19.9	"	80.0-120	39.8	20.0	50.1	
n-Propylbenzene	"	50.0		36.9	"	80.0-120	73.8	20.0	18.5	
1,1,2,2-Tetrachloroethane	"	50.0		16.9	"	23.4-150	33.8	20.0	84.2	
Tetrachloroethene	"	50.0		44.8	"	54.7-145	89.6	20.0	13.9	

Great Lakes Analytical--Oak Creek

**Refer to end of report for text of notes and definitions.*

Andrea Stathas, Project Manager

GREAT LAKES ANALYTICAL
140 East Ryan Road
Oak Creek, Wisconsin 53154
Email: info@glalabs.com
(414) 570-9460 FAX (414) 570-9461

Envirogen - Ashwabenon	Project:	990423	Sampled: 10/20/00 to 10/24/00
790 Marvelle Lne	Project Number:	990423	Received: 10/25/00
Ashwabenon, WI 54304	Project Manager:	Kris Baron	Reported: 11/14/00 15:15

WDNR Volatile Organic Compounds by Method 8260B (Blank Analysis)/Quality Control
Great Lakes Analytical

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
LCS Dup (continued)	**0110124-BSD1**									
Toluene	11/7/00	50.0		56.0	ug/l	52.9-130	112	20.0	4.37	
1,2,3-Trichlorobenzene	"	50.0		17.7	"	80.0-120	35.4	20.0	45.4	
1,2,4-Trichlorobenzene	"	50.0		23.7	"	80.0-120	47.4	20.0	21.8	
1,1,1-Trichloroethane	"	50.0		64.4	"	46.4-148	129	20.0	8.06	
1,1,2-Trichloroethane	"	50.0		57.3	"	13.1-140	115	20.0	2.58	
Trichloroethene	"	50.0		78.6	"	48.6-123	157	20.0	19.6	
Trichlorofluoromethane	"	50.0		74.2	"	29.4-167	148	20.0	40.3	
1,2,4-Trimethylbenzene	"	50.0		29.8	"	80.0-120	59.6	20.0	18.6	
1,3,5-Trimethylbenzene	"	50.0		32.4	"	80.0-120	64.8	20.0	13.5	
Vinyl chloride	"	50.0		60.2	"	52.1-135	120	20.0	0.837	
Total Xylenes	"	150		131	"	27.6-137	87.3	20.0	16.5	
Surrogate: Dibromofluoromethane	"	*50.0*		*60.7*	"	*77.1-125*	*121*			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*54.9*	"	*44.1-175*	*110*			
Surrogate: Toluene-d8	"	*50.0*		*54.7*	"	*88.7-115*	*109*			
Surrogate: 4-Bromofluorobenzene	"	*50.0*		*57.8*	"	*61.5-122*	*116*			

GREAT LAKES ANALYTICAL

CHAIN OF CUSTODY REPORT

1380 Busch Parkway
Buffalo Grove, IL 60089-4505
(847) 808-7766
FAX (847) 808-7772

20725 Watertown Road
Brookfield, WI 53501
(414) 798-1030
FAX (414) 798-1066

Client: Envirogen
Address: 790 Marvelle Ln
Green Bay, WI 54304
Report to: KKB
Phone #: (920) 497-8910
Fax #: (920) 497-8065

Bill To: Same
Address:
State & Program:
Phone #: ( )
Fax #: ( )

8d

TAT: 5 DAY 4 DAY 3 DAY 2 DAY 1 DAY < 24 HRS.
DATE RESULTS NEEDED:
TEMPERATURE UPON RECEIPT: ICE
AIR BILL NO.

Project: 990423
Sampler: JDN
PO/Quote #:

	FIELD ID, LOCATION	DATE COLLECTED	TIME COLLECTED	SAMPLE MATRIX	PRESERVATIVES	NO. CONTAINERS	TYPE CONTAINERS	PAH	DRO	VOC	GRO	SAMPLE CONTROL: CRACKED/BROKEN	SAMPLE CONTROL: IMPROPERLY SEALED	SAMPLE CONTROL: GOOD CONDITION	LABORATORY ID NUMBER
1	MW-13	10/24	1:30	GW	HCL	3	40ml	x	x	x	x			✓	W010183-01
2	MW-12		12:45		HCL	1	1 liter	x	x	x	x			✓	-02
3	MW-11		1:00		None	1	1 liter	x	x	x	x			✓	-03
4	MW-1		1:15					x	x	x	x			✓	-04
5	MW-111		1:00					x	x	x	x			✓	-05
6	De Con	JDN 10/20	10:45			2	40ml			x	x			✓	-06
7	Trip Blank	JDN 10/20	10:45			2	40ml			x	x			✓	-07
8															
9															
10															

RELINQUISHED	DATE / TIME	RECEIVED	DATE / TIME	RELINQUISHED	DATE / TIME	RECEIVED	DATE / TIME
[signature] 10/24/00		Lewis Venyn	10/25/00 10:35				
RELINQUISHED	DATE / TIME	RECEIVED	DATE / TIME	RELINQUISHED	DATE / TIME	RECEIVED	DATE / TIME

COMMENTS:

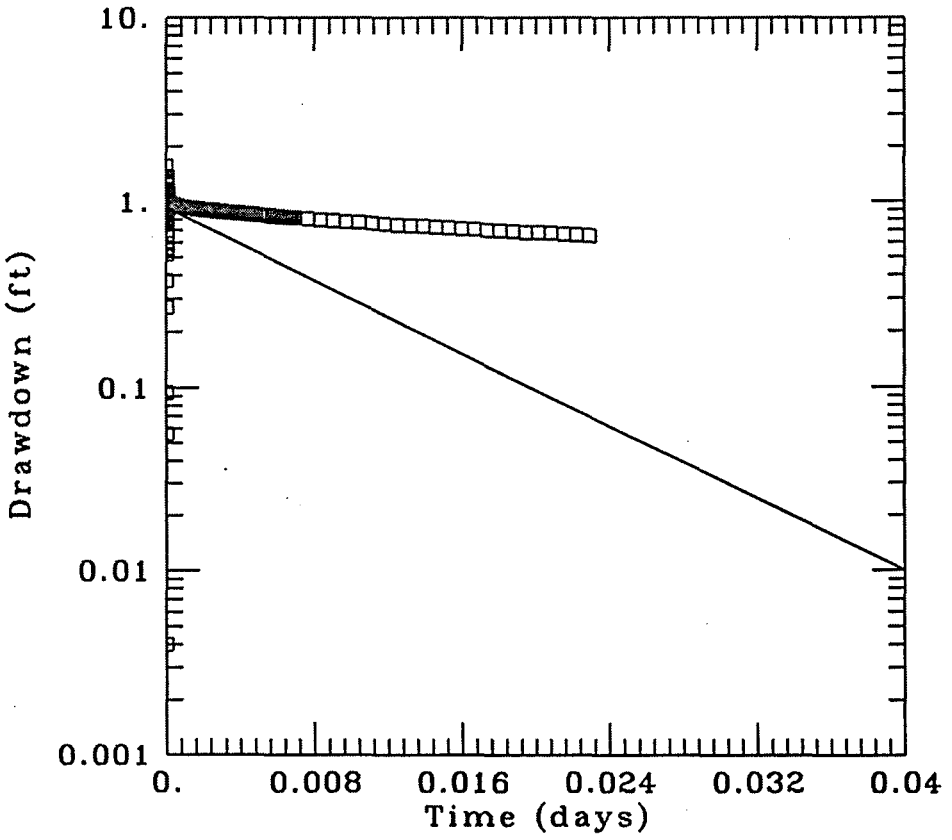
PAGE OF

JG958198

APPENDIX F

Slug Test Data

Ness Service Center Slug Out MW-12



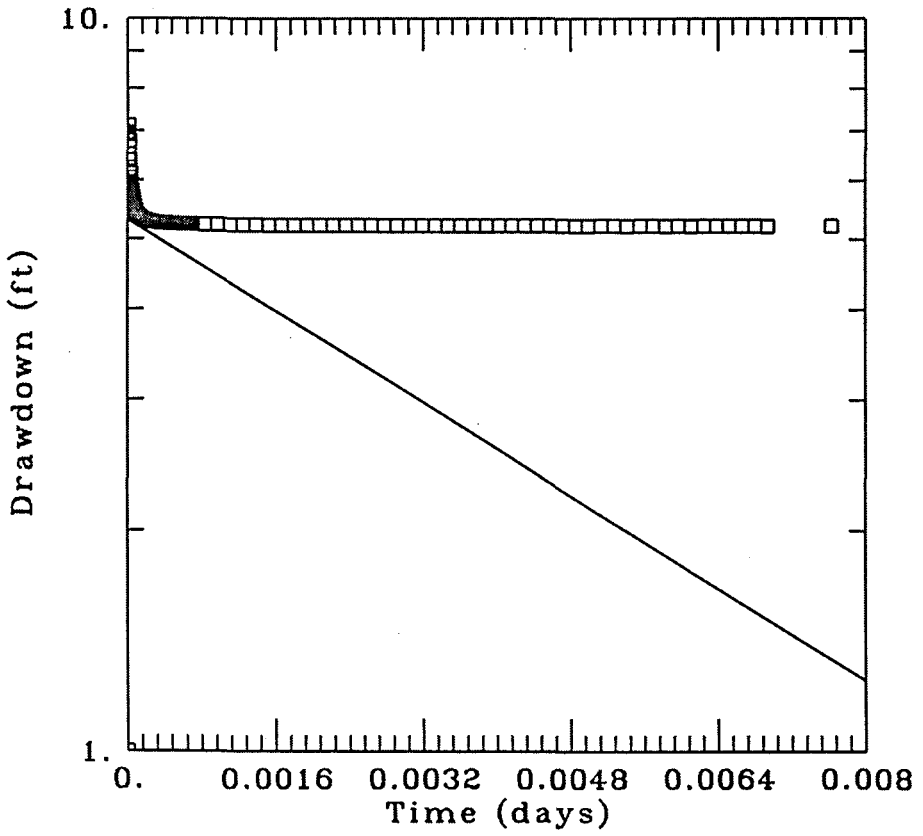
DATA SET:
0423mw12.fmi
01/04/02

AQUIFER TYPE:
Unconfined
SOLUTION METHOD:
Bouwer-Rice

ESTIMATED PARAMETERS:
K = 0.08886 ft/day
y0 = 0.9259 ft

TEST DATA:
H0 = 1. ft
rc = 0.0833 ft
rw = 0.3333 ft
L = 10. ft
b = 40. ft
H = 12.64 ft

Ness Service Center Slug Out MW-14



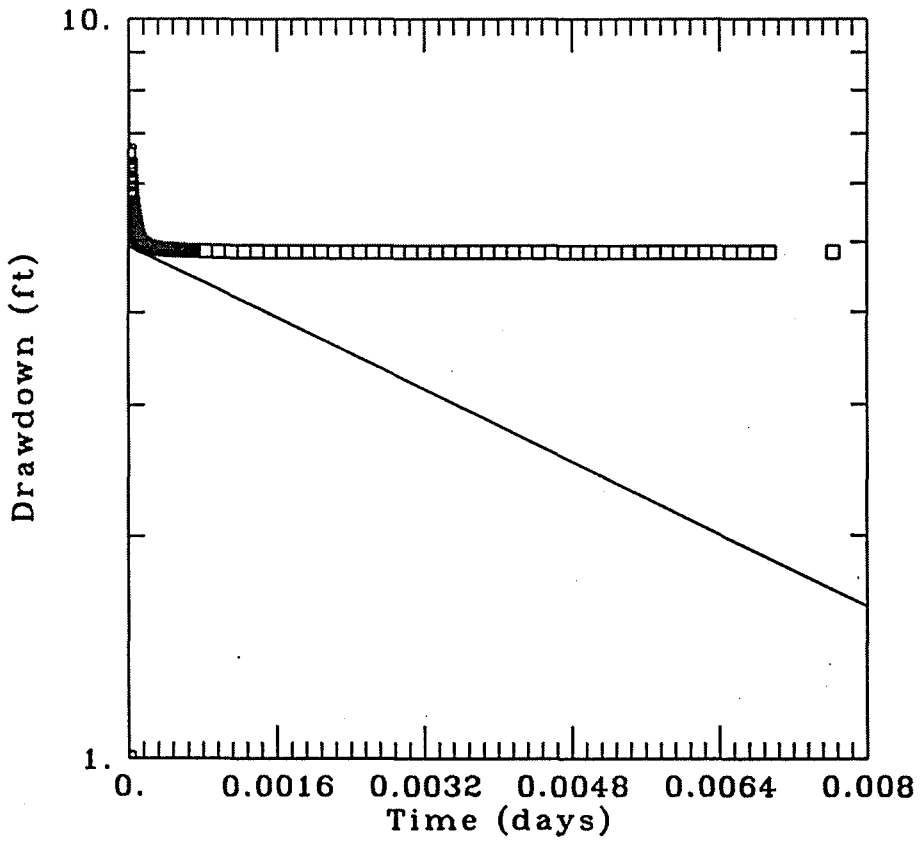
DATA SET:
0423mw14.fmi
01/04/02

AQUIFER TYPE:
Unconfined
SOLUTION METHOD:
Bouwer-Rice

ESTIMATED PARAMETERS:
K = 0.1299 ft/day
y0 = 5.313 ft

TEST DATA:
H0 = 1. ft
rc = 0.0833 ft
rw = 0.3333 ft
L = 10. ft
b = 40. ft
H = 8.34 ft

Ness Service Center Slug Out MW-10



DATA SET:
0423mw10.fmi
01/04/02

AQUIFER TYPE:
Unconfined
SOLUTION METHOD:
Bouwer-Rice

ESTIMATED PARAMETERS:
K = 0.07235 ft/day
y0 = 4.94 ft

TEST DATA:
H0 = 1. ft
rc = 0.0833 ft
rw = 0.3333 ft
L = 15. ft
b = 40. ft
H = 8.64 ft

APPENDIX G

Natural Attenuation Field Measurements

File name: L:NESSMW01.DAT
Site name: 990423

Instrument ID:	610	Study began:	12/10/01 14:31:07
ROM version:	2.05	First sample:	12/10/01 14:32:00
Calibrations:	0 records	Last sample:	12/10/01 14:42:00
Study size:	11 samples	Logging rate:	1 minutes
File size:	756 bytes	Duration:	10.00 minutes

Channel	Probe Type	Sensor Type	Sensor Range
1	0	Date	10000 to 120000 mmddyy
2	0	Time	0 to 240000 hhmmss
3	0	Temperature	-5 to 45 C
4	0	Specific Cond	0 to 23500 uS/cm
5	0	Conductivity	0 to 10000 uS/cm
6	0	DO	0 to 200 %
7	0	DO	0 to 20 mg/L
8	0	pH	2 to 14
9	0	ORP	-1000 to 1000 mV
10	0	Battery	0 to 30 V

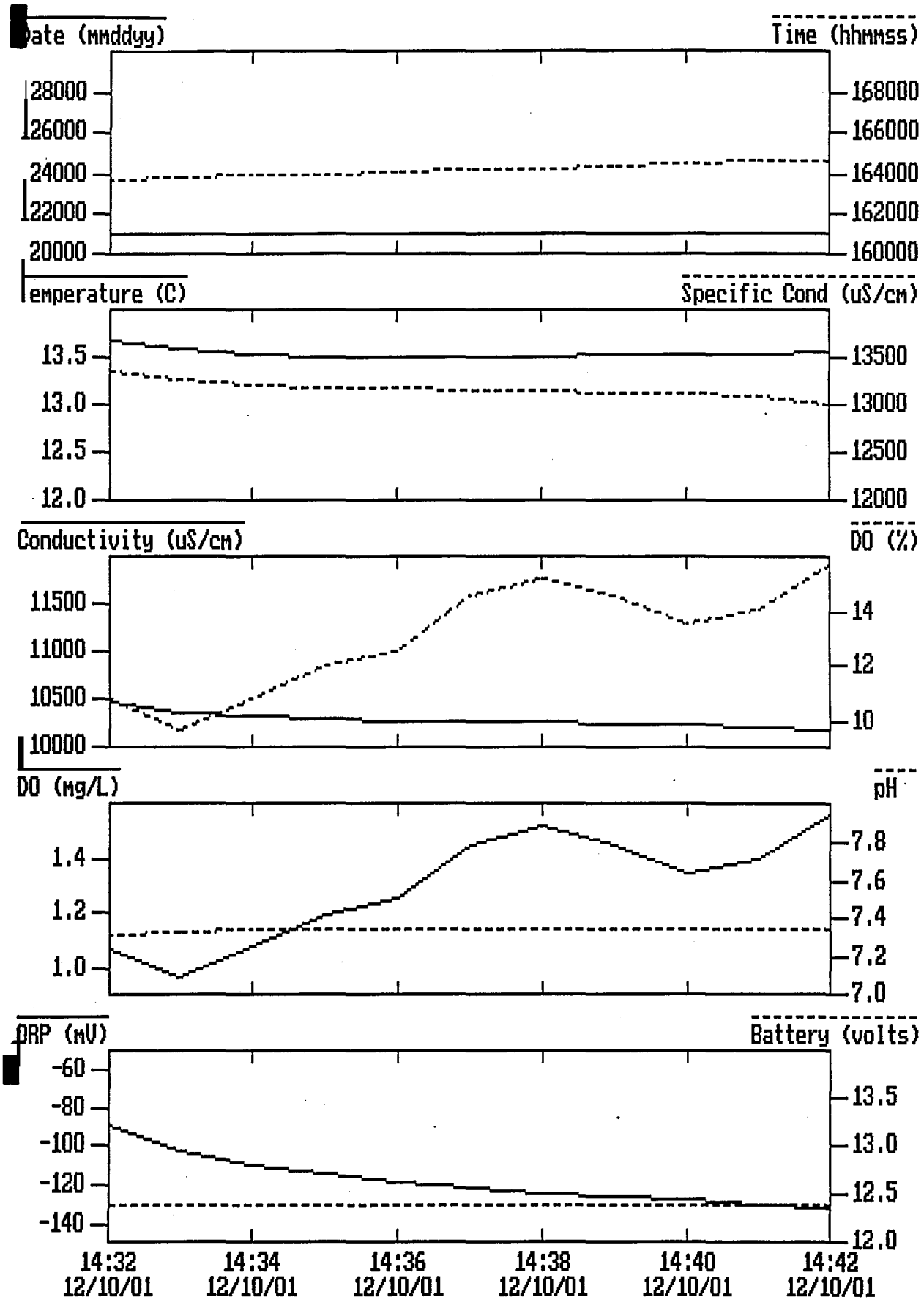
Sensor Type	Minimum	Maximum	Mean	Std.Dev.
Date (mmddyy)	121001	121001	121001	0.0
Time (hhmmss)	163704	164704	164204	331.7
Temperature (C)	13.51	13.70	13.55	0.055
Specific Cond (uS/cm)	13027.00	13360.00	13177.73	89.926
Conductivity (uS/cm)	10181.00	10476.00	10296.36	79.602
DO (%)	9.7	15.7	13.1	2.02
DO (mg/L)	0.97	1.56	1.30	0.200
pH	7.32	7.34	7.34	0.006
ORP (mV)	-131.2	-88.3	-117.3	13.23
Battery (volts)	12.4	12.4	12.4	0.00

Number of samples = 11

YSI 6000 Time Series Report

Date mm/dd/yy	Time hh:mm:ss	Date mmddyy	Time hhmmss	Temp C	SpCond uS/cm	Cond uS/cm	DO %
12/10/01	14:32:00	121001	163704	13.70	13360.00	10476.00	10.8
12/10/01	14:33:00	121001	163804	13.59	13271.00	10380.00	9.7
12/10/01	14:34:00	121001	163904	13.54	13234.00	10337.00	10.8
12/10/01	14:35:00	121001	164004	13.52	13205.00	10309.00	12.0
12/10/01	14:36:00	121001	164104	13.51	13181.00	10289.00	12.5
12/10/01	14:37:00	121001	164204	13.51	13166.00	10277.00	14.6
12/10/01	14:38:00	121001	164304	13.52	13154.00	10270.00	15.2
12/10/01	14:39:00	121001	164404	13.53	13143.00	10263.00	14.6
12/10/01	14:40:00	121001	164504	13.54	13121.00	10248.00	13.6

12/10/01 14:41:00	121001	164604	13.55	13093.00	10230.00	14.1
12/10/01 14:42:00	121001	164704	13.56	13027.00	10181.00	15.7


L:NESSMW01.DAT
Date (mmddyy)
Time (hhmmss)
28000
26000
24000
22000
20000
168000
166000
164000
162000
160000
Temperature (C)
Specific Cond (uS/cm)
13.5
13.0
12.5
12.0
13500
13000
12500
12000
Conductivity (uS/cm)
DO (%)
11500
11000
10500
10000
14
12
10
DO (mg/L)
pH
1.4
1.2
1.0
7.8
7.6
7.4
7.2
7.0
ORP (mV)
Battery (volts)
-60
-80
-100
-120
-140
13.5
13.0
12.5
12.0
14:32 12/10/01
14:34 12/10/01
14:36 12/10/01
14:38 12/10/01
14:40 12/10/01
14:42 12/10/01

File name: L:NESSMW10.DAT
Site name: 990423

Instrument ID:	610	Study began:	12/10/01 13:09:37
ROM version:	2.05	First sample:	12/10/01 13:11:00
Calibrations:	0 records	Last sample:	12/10/01 13:21:00
Study size:	11 samples	Logging rate:	1 minutes
File size:	756 bytes	Duration:	10.00 minutes

Channel	Probe Type	Sensor Type	Sensor Range
1	0	Date	10000 to 120000 mmddyy
2	0	Time	0 to 240000 hhmmss
3	0	Temperature	-5 to 45 C
4	0	Specific Cond	0 to 23500 uS/cm
5	0	Conductivity	0 to 10000 uS/cm
6	0	DO	0 to 200 %
7	0	DO	0 to 20 mg/L
8	0	pH	2 to 14
9	0	ORP	-1000 to 1000 mV
10	0	Battery	0 to 30 V

Sensor Type	Minimum	Maximum	Mean	Std.Dev.
Date (mmddyy)	121001	121001	121001	0.0
Time (hhmmss)	151604	152604	152104	331.7
Temperature (C)	11.37	11.45	11.38	0.025
Specific Cond (uS/cm)	2221.00	2230.00	2227.09	2.508
Conductivity (uS/cm)	1646.00	1649.00	1647.64	0.924
DO (%)	43.1	47.1	44.2	1.08
DO (mg/L)	4.68	5.11	4.80	0.117
pH	7.29	7.33	7.32	0.013
ORP (mV)	274.9	297.2	287.9	7.23
Battery (volts)	12.4	12.4	12.4	0.00

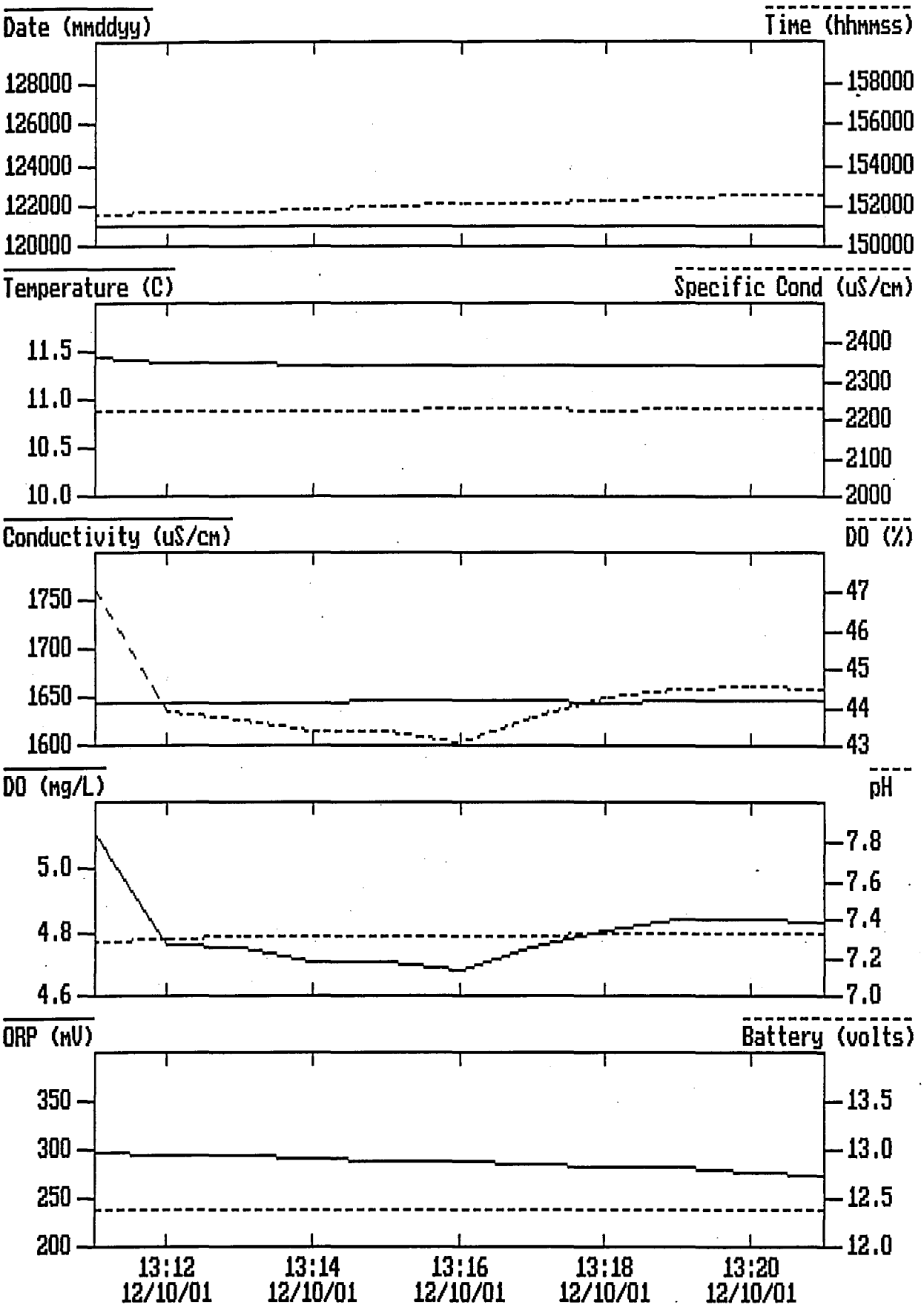
Number of samples = 11

YSI 6000 Time Series Report

Date mm/dd/yy	Time hh:mm:ss	Date mmddyy	Time hhmmss	Temp C	SpCond uS/cm	Cond uS/cm	DO %
12/10/01	13:11:00	121001	151604	11.45	2221.00	1646.00	47.1
12/10/01	13:12:00	121001	151704	11.40	2225.00	1647.00	43.9
12/10/01	13:13:00	121001	151804	11.39	2226.00	1647.00	43.7
12/10/01	13:14:00	121001	151904	11.38	2227.00	1647.00	43.4
12/10/01	13:15:00	121001	152004	11.37	2227.00	1648.00	43.4
12/10/01	13:16:00	121001	152104	11.37	2229.00	1648.00	43.1
12/10/01	13:17:00	121001	152204	11.37	2230.00	1649.00	43.8
12/10/01	13:18:00	121001	152304	11.37	2227.00	1647.00	44.3
12/10/01	13:19:00	121001	152404	11.37	2229.00	1649.00	44.5

12/10/01 13:20:00	121001	152504	11.37	2228.00	1648.00	44.6
12/10/01 13:21:00	121001	152604	11.37	2229.00	1648.00	44.5

L:NESSMW10.DAT



File name: L:NESSMW11.DAT
Site name: 990423

Instrument ID:	610	Study began:	12/10/01 14:50:10
ROM version:	2.05	First sample:	12/10/01 14:51:00
Calibrations:	0 records	Last sample:	12/10/01 15:01:00
Study size:	11 samples	Logging rate:	1 minutes
File size:	756 bytes	Duration:	10.00 minutes

Channel	Probe Type	Sensor Type	Sensor Range
1	0	Date	10000 to 120000 mmddyy
2	0	Time	0 to 240000 hhmmss
3	0	Temperature	-5 to 45 C
4	0	Specific Cond	0 to 23500 uS/cm
5	0	Conductivity	0 to 10000 uS/cm
6	0	DO	0 to 200 %
7	0	DO	0 to 20 mg/L
8	0	pH	2 to 14
9	0	ORP	-1000 to 1000 mV
10	0	Battery	0 to 30 V

Sensor Type	Minimum	Maximum	Mean	Std.Dev.
Date (mmddyy)	121001	121001	121001	0.0
Time (hhmmss)	165604	170604	168649	2302.8
Temperature (C)	11.84	12.13	11.99	0.100
Specific Cond (uS/cm)	1339.00	1343.00	1341.09	1.300
Conductivity (uS/cm)	1003.00	1012.00	1007.91	3.419
DO (%)	20.4	25.0	21.9	1.32
DO (mg/L)	2.18	2.69	2.35	0.147
pH	7.37	7.44	7.39	0.024
ORP (mV)	-90.2	-82.1	-87.3	3.00
Battery (volts)	12.4	12.4	12.4	0.00

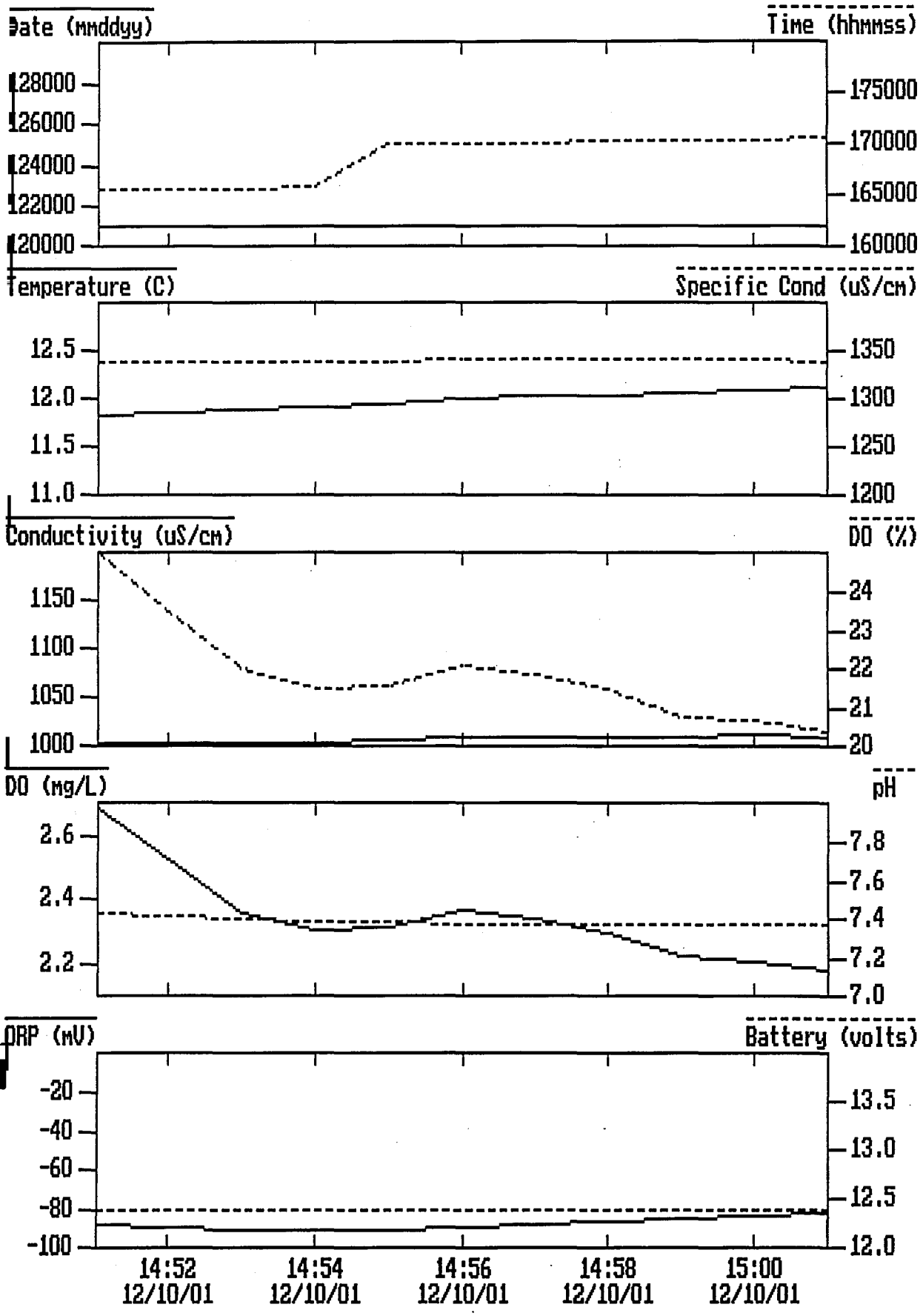
Number of samples = 11

YSI 6000 Time Series Report

Date mm/dd/yy	Time hh:mm:ss	Date mmddyy	Time hhmmss	Temp C	SpCond uS/cm	Cond uS/cm	DO %
12/10/01	14:51:00	121001	165604	11.84	1339.00	1003.00	25.0
12/10/01	14:52:00	121001	165704	11.86	1339.00	1003.00	23.5
12/10/01	14:53:00	121001	165804	11.89	1341.00	1005.00	22.0
12/10/01	14:54:00	121001	165904	11.94	1340.00	1005.00	21.5
12/10/01	14:55:00	121001	170004	11.97	1341.00	1007.00	21.6
12/10/01	14:56:00	121001	170104	12.01	1342.00	1009.00	22.1
12/10/01	14:57:00	121001	170204	12.04	1342.00	1010.00	21.9
12/10/01	14:58:00	121001	170304	12.05	1343.00	1011.00	21.5
12/10/01	14:59:00	121001	170404	12.08	1342.00	1011.00	20.8

12/10/01 15:00:00	121001	170504	12.11	1342.00	1012.00	20.7
12/10/01 15:01:00	121001	170604	12.13	1341.00	1011.00	20.4

L:NESSMW11.DAT



File name: L:NESSMW12.DAT
Site name: 990423

Instrument ID:	610	Study began:	12/10/01 14:11:44
ROM version:	2.05	First sample:	12/10/01 14:13:00
Calibrations:	0 records	Last sample:	12/10/01 14:23:00
Study size:	11 samples	Logging rate:	1 minutes
File size:	756 bytes	Duration:	10.00 minutes

Channel	Probe Type	Sensor Type	Sensor Range
1	0	Date	10000 to 120000 mmddyy
2	0	Time	0 to 240000 hhmmss
3	0	Temperature	-5 to 45 C
4	0	Specific Cond	0 to 23500 uS/cm
5	0	Conductivity	0 to 10000 uS/cm
6	0	DO	0 to 200 %
7	0	DO	0 to 20 mg/L
8	0	pH	2 to 14
9	0	ORP	-1000 to 1000 mV
10	0	Battery	0 to 30 V

File name: L:NESSMW12.DAT
Site name: 990423

Instrument ID:	610	Study began:	12/10/01 14:11:44
ROM version:	2.05	First sample:	12/10/01 14:13:00
Calibrations:	0 records	Last sample:	12/10/01 14:23:00
Study size:	11 samples	Logging rate:	1 minutes
File size:	756 bytes	Duration:	10.00 minutes

Channel	Probe Type	Sensor Type	Sensor Range
1	0	Date	10000 to 120000 mmddyy
2	0	Time	0 to 240000 hhmmss
3	0	Temperature	-5 to 45 C
4	0	Specific Cond	0 to 23500 uS/cm
5	0	Conductivity	0 to 10000 uS/cm
6	0	DO	0 to 200 %
7	0	DO	0 to 20 mg/L
8	0	pH	2 to 14
9	0	ORP	-1000 to 1000 mV
10	0	Battery	0 to 30 V

Sensor Type	Minimum	Maximum	Mean	Std.Dev.
Date (mmddyy)	121001	121001	121001	0.0
Time (hhmmss)	161804	162804	162304	331.7
Temperature (C)	12.01	12.17	12.09	0.055
Specific Cond (uS/cm)	1596.00	1598.00	1597.36	0.674
Conductivity (uS/cm)	1201.00	1205.00	1203.55	1.440
DO (%)	31.2	35.9	33.6	1.94
DO (mg/L)	3.34	3.84	3.60	0.204

pH	7.27	7.28	7.27	0.003
ORP (mV)	261.8	262.2	262.1	0.11
Battery (volts)	12.4	12.4	12.4	0.00

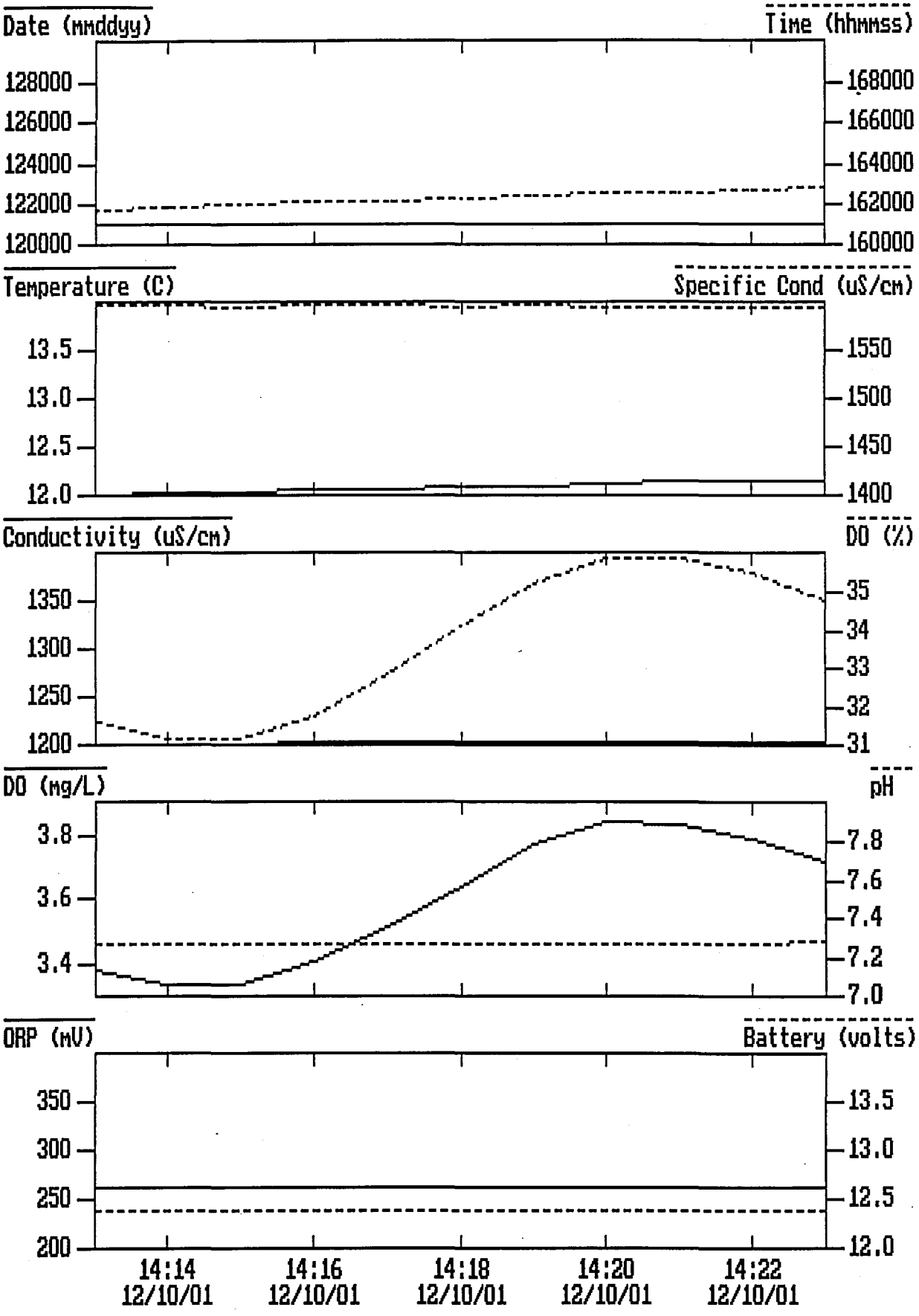
Number of samples = 11

L:NESSMW12.DAT

YSI 6000 Time Series Report

Date mm/dd/yy	Time hh:mm:ss	Date mmddyy	Time hhmmss	Temp C	SpCond uS/cm	Cond uS/cm	DO %
12/10/01	14:13:00	121001	161804	12.01	1598.00	1201.00	31.6
12/10/01	14:14:00	121001	161904	12.03	1598.00	1202.00	31.2
12/10/01	14:15:00	121001	162004	12.04	1597.00	1202.00	31.2
12/10/01	14:16:00	121001	162104	12.06	1598.00	1203.00	31.8
12/10/01	14:17:00	121001	162204	12.07	1598.00	1203.00	32.9
12/10/01	14:18:00	121001	162304	12.09	1597.00	1204.00	34.1
12/10/01	14:19:00	121001	162404	12.11	1598.00	1205.00	35.2
12/10/01	14:20:00	121001	162504	12.13	1596.00	1204.00	35.9
12/10/01	14:21:00	121001	162604	12.15	1597.00	1205.00	35.9
12/10/01	14:22:00	121001	162704	12.16	1597.00	1205.00	35.5
12/10/01	14:23:00	121001	162804	12.17	1597.00	1205.00	34.8

L:NESSMW12.DAT



File name: L:NESSMW13.DAT
Site name: 990423

Instrument ID:	610	Study began:	12/10/01 13:53:37
ROM version:	2.05	First sample:	12/10/01 13:55:00
Calibrations:	0 records	Last sample:	12/10/01 14:05:00
Study size:	11 samples	Logging rate:	1 minutes
File size:	756 bytes	Duration:	10.00 minutes

Channel	Probe Type	Sensor Type	Sensor Range
1	0	Date	10000 to 120000 mmddyy
2	0	Time	0 to 240000 hhmmss
3	0	Temperature	-5 to 45 C
4	0	Specific Cond	0 to 23500 uS/cm
5	0	Conductivity	0 to 10000 uS/cm
6	0	DO	0 to 200 %
7	0	DO	0 to 20 mg/L
8	0	pH	2 to 14
9	0	ORP	-1000 to 1000 mV
10	0	Battery	0 to 30 V

Sensor Type	Minimum	Maximum	Mean	Std.Dev.
Date (mmddyy)	121001	121001	121001	0.0
Time (hhmmss)	160004	161004	160504	331.7
Temperature (C)	14.08	14.18	14.12	0.038
Specific Cond (uS/cm)	1162.00	1164.00	1162.45	0.688
Conductivity (uS/cm)	920.00	923.00	921.00	1.000
DO (%)	28.5	32.4	29.4	1.15
DO (mg/L)	2.91	3.32	3.01	0.121
pH	7.47	7.48	7.47	0.003
ORP (mV)	257.3	272.9	266.3	5.58
Battery (volts)	12.4	12.4	12.4	0.00

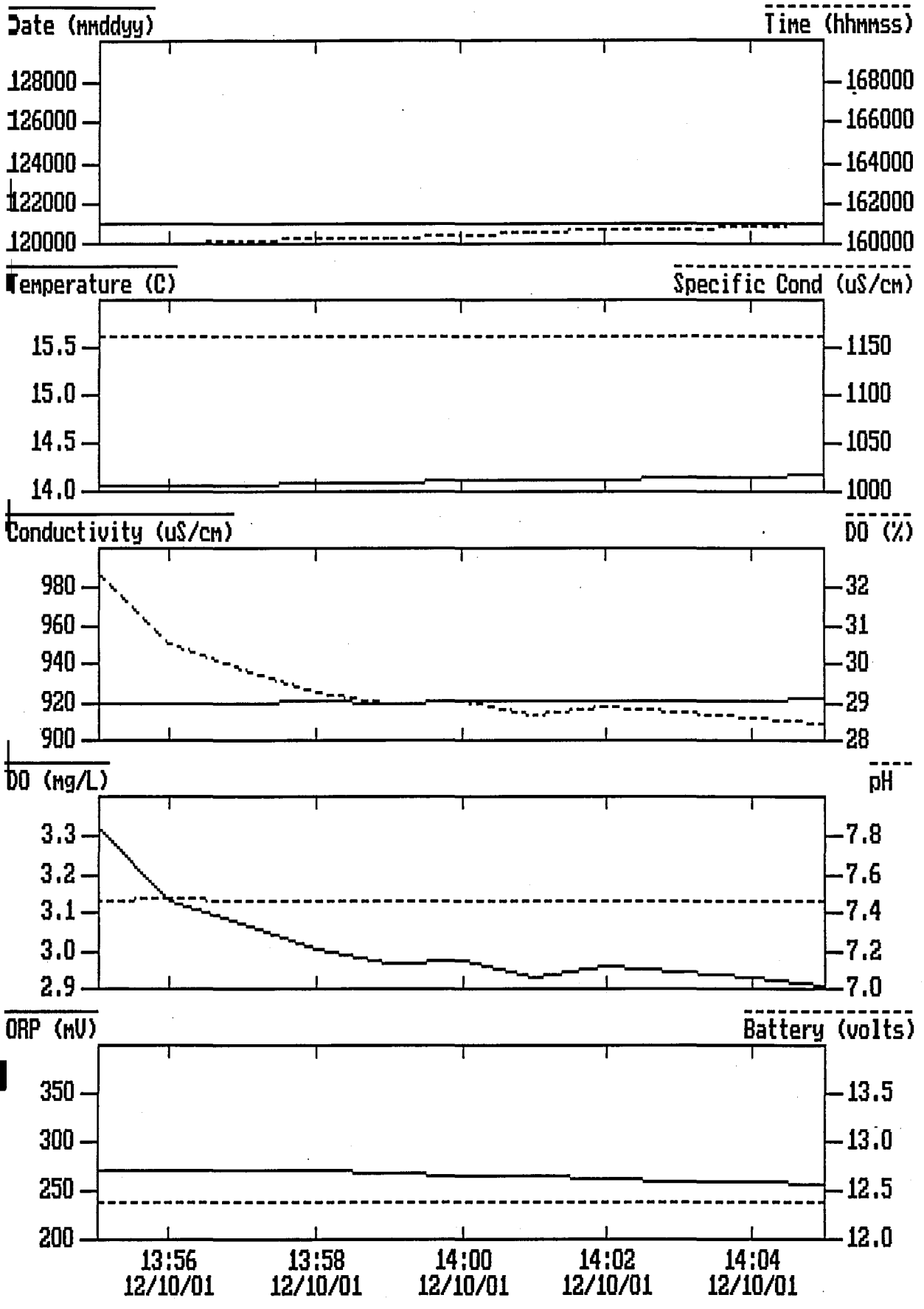
Number of samples = 11

YSI 6000 Time Series Report

Date mm/dd/yy	Time hh:mm:ss	Date mmddyy	Time hhmmss	Temp C	SpCond uS/cm	Cond uS/cm	DO %
12/10/01	13:55:00	121001	160004	14.08	1162.00	920.00	32.4
12/10/01	13:56:00	121001	160104	14.08	1163.00	920.00	30.5
12/10/01	13:57:00	121001	160204	14.08	1162.00	920.00	29.9
12/10/01	13:58:00	121001	160304	14.09	1164.00	921.00	29.3
12/10/01	13:59:00	121001	160404	14.10	1162.00	920.00	29.0
12/10/01	14:00:00	121001	160504	14.12	1162.00	921.00	29.1
12/10/01	14:01:00	121001	160604	14.13	1163.00	922.00	28.7
12/10/01	14:02:00	121001	160704	14.14	1162.00	921.00	28.9
12/10/01	14:03:00	121001	160804	14.16	1162.00	921.00	28.8

12/10/01 14:04:00	121001	160904	14.17	1162.00	922.00	28.6
12/10/01 14:05:00	121001	161004	14.18	1163.00	923.00	28.5

L:NESSMW13.DAT



File name: L:NESSMW14.DAT
Site name: 990423

Instrument ID:	610	Study began:	12/10/01 13:40:26
ROM version:	2.05	First sample:	12/10/01 13:42:00
Calibrations:	0 records	Last sample:	12/10/01 13:52:00
Study size:	11 samples	Logging rate:	1 minutes
File size:	756 bytes	Duration:	10.00 minutes

Channel	Probe Type	Sensor Type	Sensor Range
1	0	Date	10000 to 120000 mmddyy
2	0	Time	0 to 240000 hhmmss
3	0	Temperature	-5 to 45 C
4	0	Specific Cond	0 to 23500 uS/cm
5	0	Conductivity	0 to 10000 uS/cm
6	0	DO	0 to 200 %
7	0	DO	0 to 20 mg/L
8	0	pH	2 to 14
9	0	ORP	-1000 to 1000 mV
10	0	Battery	0 to 30 V

Sensor Type	Minimum	Maximum	Mean	Std.Dev.
Date (mmddyy)	121001	121001	121001	0.0
Time (hhmmss)	154704	155704	155204	331.7
Temperature (C)	12.86	12.94	12.90	0.032
Specific Cond (uS/cm)	1797.00	1799.00	1797.82	0.751
Conductivity (uS/cm)	1381.00	1383.00	1382.27	0.786
DO (%)	70.7	76.4	72.6	1.61
DO (mg/L)	7.42	8.03	7.62	0.174
pH	7.07	7.09	7.08	0.007
ORP (mV)	284.0	285.8	285.2	0.63
Battery (volts)	12.4	12.4	12.4	0.00

Number of samples = 11

YSI 6000 Time Series Report

Date mm/dd/yy	Time hh:mm:ss	Date mmddyy	Time hhmmss	Temp C	SpCond uS/cm	Cond uS/cm	DO %
12/10/01	13:42:00	121001	154704	12.86	1798.00	1381.00	76.4
12/10/01	13:43:00	121001	154804	12.86	1797.00	1381.00	74.5
12/10/01	13:44:00	121001	154904	12.87	1799.00	1382.00	72.8
12/10/01	13:45:00	121001	155004	12.87	1799.00	1383.00	72.7
12/10/01	13:46:00	121001	155104	12.88	1798.00	1382.00	72.5
12/10/01	13:47:00	121001	155204	12.90	1798.00	1382.00	71.9
12/10/01	13:48:00	121001	155304	12.91	1797.00	1382.00	71.6
12/10/01	13:49:00	121001	155404	12.92	1798.00	1383.00	71.8
12/10/01	13:50:00	121001	155504	12.93	1797.00	1383.00	71.8

12/10/01 13:51:00	121001	155604	12.94	1797.00	1383.00	71.4
12/10/01 13:52:00	121001	155704	12.94	1798.00	1383.00	70.7

L:NESSMW14.DAT