[redacted]



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# GROUNDWATER MANAGEMENT ZONE APPLICATION

WINNEBAGO RECLAMATION LANDFILL
ROCKFORD, ILLINOIS

Prepared for:

Winnebago Reclamation Services, Inc.
Rockford, Illinois

July 1995

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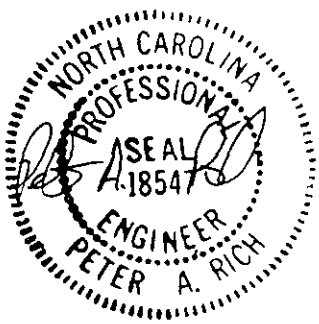


GeoTrans Project No. 7740-005

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GeoTrans, inc.

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## ATTACHED DOCUMENTS

| Date | Title |
|---|---|
| March 1991 | Final Feasibility Study |
| March 1991 | Final Remedial Investigation |
| November 1992 | Consent Decree with Appendices including the Statement of Work and Record of Decision |
| February 26, 1993 | Revised Phase I and IA Report |
| September 8, 1993 | Groundwater Remedial Design Work Plan |
| September 8, 1993 | RD/RA Work Plan |
| January 13, 1994 | Technical Memorandum – Round I Pre-Design Work Plan |
| July 1994 | Pumping Test Plan |
| March 1995 | Groundwater Remedial Alternatives Analysis and Preliminary Design |
| May 1995 | Field Investigative Report for Winnebago Reclamation Service – Pagel Landfill |
| June 1995 | Construction and Calibration of a Three-dimensional Numerical Groundwater Flow Model |
| July 1995 | Application for Significant Modification to Existing Permit |
| July 1995 | Application for Significant Modification to Existing Permit; Report of Hydrogeological Investigation |
| July 1995 | Application for Significant Modification to Existing Unit: Groundwater Monitoring Plan |
| July 1995 | Application for Significant Modification to Existing Unit: Groundwater Impact Assessment Report |

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# 1 INTRODUCTION

The purpose of this Groundwater Management Zone (GMZ) application is to establish the three-dimensional region that is subject to an Illinois Environmental Protection Agency (IEPA) approved corrective action process. The area in question is currently subject to a corrective action process pursuant to a Record of Decision (ROD) adopted by the United States Environmental Protection Agency (USEPA) on June 28, 1991, and incorporated in a Consent Decree entered in the U.S. District Court for the Northern District of Illinois, Western Division, in Case No. 92-C-20346 on February 6, 1993. The Agency has agreed that the selected corrective action was protective of human health and the environment and has agreed in principle that the remedy proposed in the ROD would effectively address contamination at the site. However, the Agency did not concur in the ROD or sign the Consent Decree because of its role in the implementation of the remedy for reasons stated in its letter of June 26, 1991. The GMZ application is submitted as part of the Application for Significant Modification to Permit for an Existing Unit, submitted by Winnebago Reclamation Service, Inc. (WRS), July 1, 1995, for the Pagel Landfill Facility, Rockford, Winnebago County, Illinois.

The previous submittal for a GMZ (July 1994) was denied by IEPA for deficiencies in the permit application. The deficiencies noted by the IEPA included inadequate characterization of impacted groundwater. Therefore, WRS conducted extensive additional site characterization activities and modeling. This work consisted of:

- Installation of three new bedrock wells downgradient at the landfill;
- Performing a pump test near the downgradient edge of the landfill;
- Drilling five test borings with groundwater sampling during drilling to place permanent monitoring wells and installing nine monitoring wells based on the results of the test borings;
- Sampling groundwater at 25 monitoring wells across the site specifically to determine the GMZ; and

- Constructing and calibrating a comprehensive three-dimensional groundwater flow model based on water level data collected on February 17, 1995.

A field report detailing the drilling and monitoring well installation activities is discussed in Jennings and Staurowsky (1995). This application was prepared by GeoTrans and WRS to request the establishment of a GMZ as described in 35 Illinois Administrative Code (IAC) 620.250. The impaired groundwater is subject to a corrective action process approved by the IEPA.

This application includes:

- Administrative Background of the Site
- Definition of the Three-Dimensional GMZ
- Historical Groundwater Flow Directions
- Description of Direct Remedial Measures
- Description of Monitoring of Direct Remedial Measures

Attached to this application are copies of documents that are submitted as part of the overall "SIG MOD" submittal for the existing Pagel Landfill facility. Copies of other documents referenced in this application report have been previously submitted to the state for review.

# 2 SITE BACKGROUND

The Pagel Landfill has been operating since 1972 under IEPA Permit No. 1972-24. The landfill accepts municipal solid waste, municipal wastewater treatment biosolids, non-hazardous special waste, and demolition debris for disposal. The landfill was constructed with an asphalt liner that is overlain by a leachate collection system composed of a 1-foot sand drainage layer, horizontal piping, and collection manholes. Leachate is pumped to the local wastewater treatment plant for treatment and disposal. The landfill also maintains a dual purpose gas/leachate collection system to capture landfill gas for beneficial use. The gas wells also serve as effective leachate collection points and are currently being retrofitted to allow leachate to be removed from the wells without interrupting gas withdrawal. A more detailed description of the landfill operational history can be found in the Remedial Investigation Report (March 1991), and the Feasibility Study Report (March 1991). A more detailed description of the landfill design and operation can be found in the Application for Significant Modification to Permit for an Existing Unit (July 1995) that is being submitted with this application.

The Pagel Landfill is located immediately west and downgradient of the Acme Solvent Superfund site. The United States Environmental Protection Agency (USEPA) proposed to list the Acme Solvent Superfund site in December 1982 and placed it on the National Priorities List (NPL) in September 1983. The Remedial Investigation and Feasibility Study (RI/FS) and various supplemental technical investigations for the Acme Solvent site were completed and approved by the USEPA in 1993. Approval of the design and construction of a thermal soils desorption facility was completed in late 1993 and process approval was granted in early 1994. The remedial design (RD) for the majority of the remedial actions (RAs) to be performed at the Acme Solvents site was approved during the summer of 1994 and, the construction/installation of groundwater extraction and other remedial systems began in late 1994.

The USEPA proposed to list the Pagel Landfill in October 1984, and the Pagel Landfill was added to the NPL in June 1986. The Potentially Responsible Parties (PRPs),

including WRS, agreed to conduct an RI/FS in October 1986. The RI and FS reports were completed in March 1991. An additional investigation, "Southeast Corner Operable Unit Remedial Investigation," was conducted between the Acme Solvent facility and Pagel's Landfill during 1991 and 1992, completed in January 1993.

This additional investigation was conducted to evaluate the potential for groundwater contamination between the Pagel Landfill site and the Acme Solvent site, and the potential for that contamination to impact groundwater at the Pagel Landfill. The investigation showed that groundwater contamination was present in discrete zones of the upgradient bedrock aquifer in an area between the two sites where previous investigations did not find contamination, and that the contaminated groundwater could be transported through these discrete zones to the sand and gravel aquifer beneath the Pagel Landfill.

The Record of Decision (ROD) for the Pagel Landfill was issued in June 1991 by the USEPA. The major components of the ROD included:

- A sanitary landfill cover for the waste disposal area
- Groundwater extraction along the west side of the site
- Onsite treatment of groundwater
- Leachate extraction and transfer to the local POTW
- Gas extraction and use of the gas as fuel or the flaring of the gas
- Deed restrictions
- Site monitoring and maintenance of all remedial action components

The ROD requires that the landfill be operated until closure according to the terms of the IEPA permit(s) and the regulations of the State of Illinois. The ROD also requires that the landfill be capped at closure with a cover meeting the requirements of 35 IAC 811. The ROD indicates that the groundwater remediation shall achieve Safe Drinking Water Act (SDWA) maximum contaminant levels (MCLs) and non-zero maximum contaminant level goals (MCLGs) except that a cumulative carcinogenic risk of $1 \times 10^{-5}$ and a cumulative hazard index of 1.0 will be used for 1,1-dichloroethene and arsenic. Other contaminants without an

MCL or MCLG will also be required to meet the aforementioned carcinogenic risk level and cumulative hazard index. If the maximum allowable concentration is less than the naturally occurring background concentration, the Consent Decree and Statement of Work (SOW) allow the cleanup level to be defined in accordance with 35 IAC 811.320 upon approval of the USEPA. Pagel Landfill proposed 35 IAC 811.320 groundwater quality standards in the Application for Significant Modification to Permit for an Existing Unit (July 1995).

A Consent Decree was entered into by WRS and signed by the USEPA in November 1992. The Consent Decree requires WRS to perform an RD/RA to implement the provisions of the ROD. WRS is currently developing the RD. The RD/RA work plan (September 1993) outlined the overall approach to performing the RD/RA. A Groundwater Remedial Design Work Plan (September 1993) was developed to guide the design of the groundwater collection and treatment system. The preliminary (30%) design for the groundwater remediation system was submitted to USEPA in April 1995. A more detailed analysis of in-situ and ex-situ treatment technologies was submitted for USEPA approval on July 3, 1995.

The Landfill Management, Closure and Monitoring Remedial Design Work Plan (May 1994) was developed to guide the design of the final cover, leachate management, landfill gas management, and monitoring of the remedial action. Each of these components is governed by the Illinois Solid Waste regulations which apply to non-hazardous waste landfills. These regulations are found in Title 35 Illinois Administrative Code (IAC) Parts 810 to 814, and the design of non-groundwater related landfill components are part of the current submittal, Application for Significant Modification to Permit for an Existing Unit.

The following is an annotated bibliography of documents, investigations, and reports relating to the progress toward the remedial action at the Pagel's Landfill. The "Groundwater Remedial Alternative Analysis and Preliminary Design (Air Sparging)" for the proposed groundwater corrective action is included as an attachment to this application.

*Extent of Source of Groundwater Contamination - Acme Solvents Pagel's Pit Area Near Morristown, Illinois - Ecology and Environment, Inc. March 1983.*

- Installation of 17 groundwater monitoring wells in order to evaluate extent of contamination;

- Groundwater sampling of six private wells in addition to 17 monitoring wells;

- Soils on Acme Solvents, Inc., property are contaminated by volatile organic compounds (VOCs);

- Presence of VOCs organics in deeper private wells indicate the downward migration of volatiles in the Galena-Platteville aquifer;

- A sample from a Pagel Landfill monitoring well (B-15) had an arsenic concentration of 30 ppb; and

- Well B-14 and Palmer well show no evidence of contamination at this time. Lateral extent of contamination extends between wells B-13 and B-14 and continues westerly to Kilbuck Creek in the shallow aquifer system.

*Remedial investigation, Acme Solvent Superfund Site, Winnebago County, Illinois, E.C. Jordan Company, September 1984.*

- Purpose was to define the nature and extent of onsite and offsite contamination, and to compile the data necessary to complete site characterization which was sufficient for conducting a Feasibility Study (FS).

- Field activities revealed large quantities of uncontained soil/sludge/waste mixtures and drums buried at the Acme Solvent site.

- Plume of contaminated groundwater is found in the shallow water table aquifer underlying the Acme Solvent site. Plume mixes with a second plume of contaminated groundwater emanating from Pagel's Landfill. Impact of leachate migration from Pagel's Landfill is unknown.

*Supplemental Investigation, Winnebago Reclamation Landfill, Rockford, Illinois, Warzyn Engineering, Inc., March 1985.*

- Ten borings were drilled in the area between Acme Solvent and Winnebago Reclamation Landfill (Pagel's Landfill). Six monitoring wells installed as water table wells, four monitoring wells instrumented as piezometers.

- Groundwater was found to generally flow from east to west, from Acme Solvent toward Pagel's Landfill. Vertical groundwater gradients are slightly downward with localized upward occurrences.

- Slightly elevated levels of arsenic, barium, and phenols were found at a few wells downgradient of or adjacent to the landfill. Somewhat elevated levels of conductivity, chloride, and alkalinity were found at the margins or downgradient of the site. The landfill leachate has similar parameters. The landfill may be a source of inorganic and phenol contamination to the groundwater.

- Acme Solvent appears to be the likely source of VOC contaminants to the groundwater, based on sample composition and groundwater flow conditions.

- Fracture flow within dolomite bedrock may be responsible for the discontinuity in the plume of VOCs from Acme Solvent to the southeast portion of the landfill.

*Interim Groundwater Quality Evaluation, Winnebago Reclamation Landfill, Rockford, Illinois, Warzyn, Inc., October 1989.*

- Installation of 15 monitoring wells west of Lindenwood Road, and collection and analysis of samples from the 15 new monitoring wells, 26 previously installed wells, and one private well. Phase I work also included the collection of four rounds of leachate samples from the east manhole, west manhole, and four different gas/leachate extraction wells during each round.

- Leachate samples generally contained higher concentrations of aromatic VOCs such as BTEX, than the chlorinated VOCs vinyl chloride and dichloroethene. The Pagel Landfill leachate has a high inorganic content consistent with typical sanitary component leachates, except it has higher chloride and sodium content.

- Two distinct groundwater plumes exist. The Pagel Landfill leachate plume is distinguished by its elevated chloride content.

- High concentrations of VOCs detected in groundwater monitoring wells adjacent to Acme Solvent. It appears Acme Solvent has released large quantities of VOCs to the groundwater system.

- Chlorinated solvents were detected in wells within the Pagel Landfill leachate plume. These chlorinated compounds were thought to be the result of upgradient (background) influences not related to Pagel Landfill.

*Remedial Investigation, Winnebago Reclamation Landfill, Rockford, Illinois, March 1991, prepared by Warzyn, Inc.*

- Prepared to provide a summary and evaluation of data collected during the RI performed at Pagel's Landfill. The work was accomplished in two phases. At the completion of Phase I, the interim groundwater quality evaluation was prepared and a Phase II investigation was performed based upon the Phase I results.

- Phase II included the collection of two rounds of groundwater samples from 15 wells, leachate samples were collected from six locations, five surface water samples were collected from Kilbuck Creek, permeability tests were conducted on 12 wells, and four rounds of water levels were obtained from site monitoring wells.

- The Pagel Landfill leachate groundwater plume inorganic component tends to contain elevated chlorides, sodium, potassium, magnesium, manganese, and iron. Other constituents sometimes associated with the Pagel Landfill leachate plume include: total phenolics, cyanide, arsenic, barium, cobalt, copper, lead, nickel, silver, vanadium, and zinc.

- VOCs and semi-volatile organic compounds (SVOCs) are present both upgradient and at the Pagel Landfill site, and inside as well as outside of the Pagel Landfill plume defined by chlorides.

- Potential sources of VOCs to groundwater include releases from the upgradient Acme Solvent site, migration of landfill gas, and a localized source such as effluent from household septic systems in the immediate vicinity.

*Feasibility Study, Winnebago Reclamation Landfill, Rockford, Illinois, Warzyn, Inc., March 1991.*

- Provided a summary of landfill conditions based on the information collected in the RI, and to develop, screen, evaluate, and compare a range of remedial alternatives.

- Remedial alternatives include no action, planned closure, clay-synthetic membrane cap, offsite treatment, onsite carbon adsorption, onsite air stripping, onsite photolysis/oxidation, and insitu landfill waste fixation.

*Work Plan, Southeast Corner Operable Unit, Winnebago Reclamation Landfill, Rockford, Illinois, Warzyn, Inc., November 1991.*

- The work plan incorporated a phased approach to requested additional groundwater investigations by the USEPA. The purpose was to further define the upgradient background quality and document the continuity of the VOC plume between the Pagel Landfill site and the Acme Solvent site, to determine the extent of contamination in the groundwater in the vicinity of the Southeast (SE) corner, and to provide data needed to prepare a focused FS evaluating potential groundwater extraction well locations to address contaminated groundwater at the SE corner.

*Phase I and IA Investigation Report - Southeast Corner Operable Unit, Winnebago Reclamation Landfill, Rockford, Illinois, Warzyn, Inc., July 1992.*

- Report documenting Phase I and IA work conducted at Pagel Landfill site as required by the work plan approved by USEPA for Southeast Corner Operable Unit.

- Phase I work involved the construction of borings into the shallow bedrock at a location upgradient of the Pagel Landfill site but downgradient of the Acme Solvent site.

- Data collected indicated the following:

  - highly fractured zones serve as preferential pathways for contaminant migration;
  - there is a distinction at boring G120B between contaminants detected in the upper fracture zone relative to contaminants detected in the middle and lower fracture zones;
  - there has been a significant change in the nature of contamination detected at B4, and a new plume characterized by ethylbenzene, toluene, and xylene is now moving toward the Pagel Landfill site;
  - elevated concentrations of total VOCs were also detected upgradient of the Pagel Landfill site at deep well MW202; and
  - a continuous plume of VOCs exists between the upgradient Acme Solvent site and the downgradient Pagel Landfill site.

*Record of Decision, Pagel's Pit site, Winnebago County, Illinois, June 28, 1990, United States Environmental Protection Agency.*

- The ROD presents the selected remedial action for the Pagel's Landfill chosen by the USEPA.

- The major components of the remedy include a sanitary landfill cover, groundwater extraction along the west side of the site, treatment of extracted groundwater, gas extraction, deed restrictions, and site monitoring.

*Consent Decree, United States of America, Plaintiff v. Winnebago Reclamation Service, Inc., et al., defendants, November 20, 1992, Civil Action No. 92C20346.*

- Through the Consent Decree, Winnebago Reclamation Services agreed to perform the RD/RA at the Pagel's Landfill as outlined in the ROD.

*Remedial Design/Remedial Action Work Plan, Winnebago Reclamation Landfill Site (Pagel's Pit), Winnebago County, Illinois, September 1993 prepared by Winnebago Reclamation Services and Warzyn, Inc.*

- The RD/RA work plan describes the overall approach to the implementation of the remedy selected in the ROD for the Pagel's Landfill.

*Remedial Design/Remedial Action Quality Assurance Project Plan, Winnebago Reclamation Landfill Site (Pagel's Pit), Winnebago County, Illinois, September 1993, prepared by Warzyn, Inc.*

- The Quality Assurance Project Plan (QAPP) presents the organization, objectives, functional activities, and specific quality assurance and quality control activities associated with the RD/RA for the Pagel's Landfill.

*Remedial Design/Remedial Action Health and Safety Plan, Winnebago Reclamation Landfill Site (Pagel's Pit), Winnebago County, Illinois, September 1993, prepared by Winnebago Reclamation Services and Warzyn, Inc.*

- The Health and Safety Plan provides specification for general safety guidelines, and requirements specific to Warzyn, Inc. in conducting pre-design studies to support the design of the groundwater extraction and treatment

system. Each contractor working at the site must meet or exceed the requirements established in the HSP.

*Groundwater Remedial Design Work Plan, Winnebago Reclamation Landfill Site, Winnebago County, Illinois, Warzyn, Inc., September 1993.*

- Work plan provides supplemental information required specifically to the design of the groundwater extraction and treatment system described in the RD/RA work plan, and technical strategy and approach that will be used for pre-design studies.

- Pre-design studies will identify the extent of groundwater contamination in the vicinity of the western site boundary, and, through a pumping test, will identify aquifer characteristics to optimize design of the remedial system.

- Work plan includes:

  - project background information,
  - identification of the RD project design documents,
  - groundwater remedial design approach,
  - a summary of required reports and submissions,
  - a schedule for groundwater RD activities, and
  - the organization structure for the groundwater RD.

*Technical Memorandum - Round 1 Pre-design Groundwater Sampling Results and Recommendations for Placement of New Monitoring Wells. Winnebago Reclamation Landfill (Pagel's Landfill), Rockford, Illinois, Warzyn, Inc., January 18, 1994.*

- The Round 1 pre-design groundwater sampling was conducted to obtain current groundwater quality data to support the design of the groundwater extraction and treatment system.

- The chloride concentration has decreased in the sample from well G115 in the southwestern portion of the site as compared to previous data.

- The chloride concentration maximum has changed from the vicinity of well B15R to the vicinity of Well P1. The chloride concentrations have increased in samples from wells G116/G116A, but the VOC concentrations detected in these are relatively low.

*Landfill Management, Closure and Monitoring Remedial Design Work Plan. Winnebago Reclamation Landfill Site (Pagel's Landfill), Winnebago County, Illinois, Winnebago Reclamation Service Inc., May 1994.*

- This document describes the overall approach to the remedial design for the landfill cover system, the leachate management system, the landfill gas management system, and the groundwater, soil gas, leachate, air, and water supply monitoring.

- The work plan includes identification of RD/RA project design documents and a summary of required reports and submissions. It also includes a schedule for submittal of the Landfill Final Cover, Leachate Management, and Gas Management Remedial Design; and a schedule for submitting proposed groundwater, soil gas, leachate, air, and water supply monitoring not associated with the groundwater extraction and treatment system.

*Pumping Test Plan, Winnebago Reclamation Landfill, Rockford, Illinois, Warzyn, Inc., June 1994.*

- This document was prepared as part of the Pre-design Studies Plan. According to the Pre-design Studies Plan, groundwater studies will be conducted as an aid in designing the groundwater extraction and treatment system. The document provides detailed descriptions of the testing and field activities for testing aquifer characteristics via a pumping test.

- The test will consist of installing and pumping an extraction well while monitoring water level drawdown in adjacent monitoring wells. Data collected during the test will be analyzed to determine aquifer characteristics (hydraulic conductivity, storage coefficient, transmissivity).

*Groundwater Remedial Alternative Analysis and Preliminary Design, Winnebago Reclamation Landfill, GeoTrans, Inc., April 1995.*

- This document provides a summary of various remedial alternatives and contains the preliminary design for a groundwater extraction and treatment alternative based on requirements in the ROD.

- The report shows that the presence of elevated ammonia concentrations plays a major role in the groundwater treatment system design.

- Groundwater flow modeling and particle tracking showed that three recovery wells, each pumping at 150 gpm, are necessary to capture impacted groundwater beneath the landfill.

- The preliminary design report states that the high capital costs, as well as high O&M costs, may be prohibitive for the type of treatment system required in the ROD. The report recommends performing a more detailed review of alternative remedies, such as air sparging, in-situ natural bioremediation, and/or groundwater extraction with treatment using constructed wetlands.

*Application for Significant Modification to Permit for an Existing Unit, Winnebago Reclamation Service, Inc., Pagel Landfill Facility, Rockford, Winnebago County, Illinois, Andrews Environmental Engineering, July 1995.*

- This document is a Significant Modification to the permit for the existing Pagel's Landfill. As defined by at IAC Part 810, an application for a Significant Modification is a comprehensive permit application in which components of the landfill will be upgraded so that they are in compliance with the current Illinois regulations which relate to non-hazardous waste landfills and Municipal Solid Waste Landfills (35 IAC Parts 810-814).

- The components of the landfill addressed in the application include the final cover, leachate management, landfill gas management, and groundwater, soil gas, leachate, and air monitoring. The application will also serve as the design submittals for the remedial design of these components.

*Application for Significant Modification to Existing Permit "Report of Hydrogeological Investigation, Winnebago Reclamation Landfill, Rockford, Illinois", GeoTrans, Inc., July 1995.*

- The hydrogeologic investigative report provides a detailed summary of the hydrogeology of the WRL site.

- This report includes the substantial amount of hydrogeologic data collected during field investigations from February to May in 1995.

- This report presents a detailed interpretation of all available site-specific data and an integrated conceptual picture of groundwater flow at and near the WRL site.

*Application for Significant Modification to Existing Permit "Groundwater Monitoring Plan, Winnebago Reclamation Landfill, Rockford, Illinois," GeoTrans, Inc., July 1995.*

- The Groundwater Monitoring Plan (GMP) includes a description of the monitoring well networks and monitoring programs for Operation and Maintenance (O&M) monitoring, Verification monitoring, and Detection monitoring. The GMP also includes the establishment of background values and provides modeling to support the well spacing determination.

- The GMP also provides well construction details and well development instructions.

- Average background concentrations were determined in the GMP based on the constituent concentrations at upgradient monitoring wells G109/G109A, G113/G113A, and G120B for four consecutive quarterly sampling events. Groundwater quality standards were then determined using statistical prediction limits.

*Application for Significant Modification to Existing Permit "Groundwater Impact Assessment Report, Winnebago Reclamation Landfill, Rockford, Illinois," GeoTrans, Inc., July 1995.*

- This groundwater impact assessment (GIA) was prepared to address the requirements of 35 IAC 811.317, which is directed toward developing an integrated evaluation of the acceptability of the physical setting and design of the new unit through contaminant transport modeling. The GIA assesses the potential impacts of the Pagel Landfill after completion of the remedial action and after a final cover has been placed over the fill area.

- The GIA modeling approach consisted of calibrating the model to existing groundwater flow conditions at the Pagel Landfill site, assuming the existing groundwater contaminant problem will be effectively addressed by the groundwater remediation system, and conducting groundwater contaminant modeling for the 100-year period following landfill closure.

- The GIA utilized the mathematical computer model AT123D, or Analytical Transient One-, Two-, and Three-dimensional Simulation of Waste Transport in the Aquifer System (Yeh, 1981). The model is a three-dimensional, semi-analytical transport model that can predict chemical distribution with time from a mass release into the aquifer.

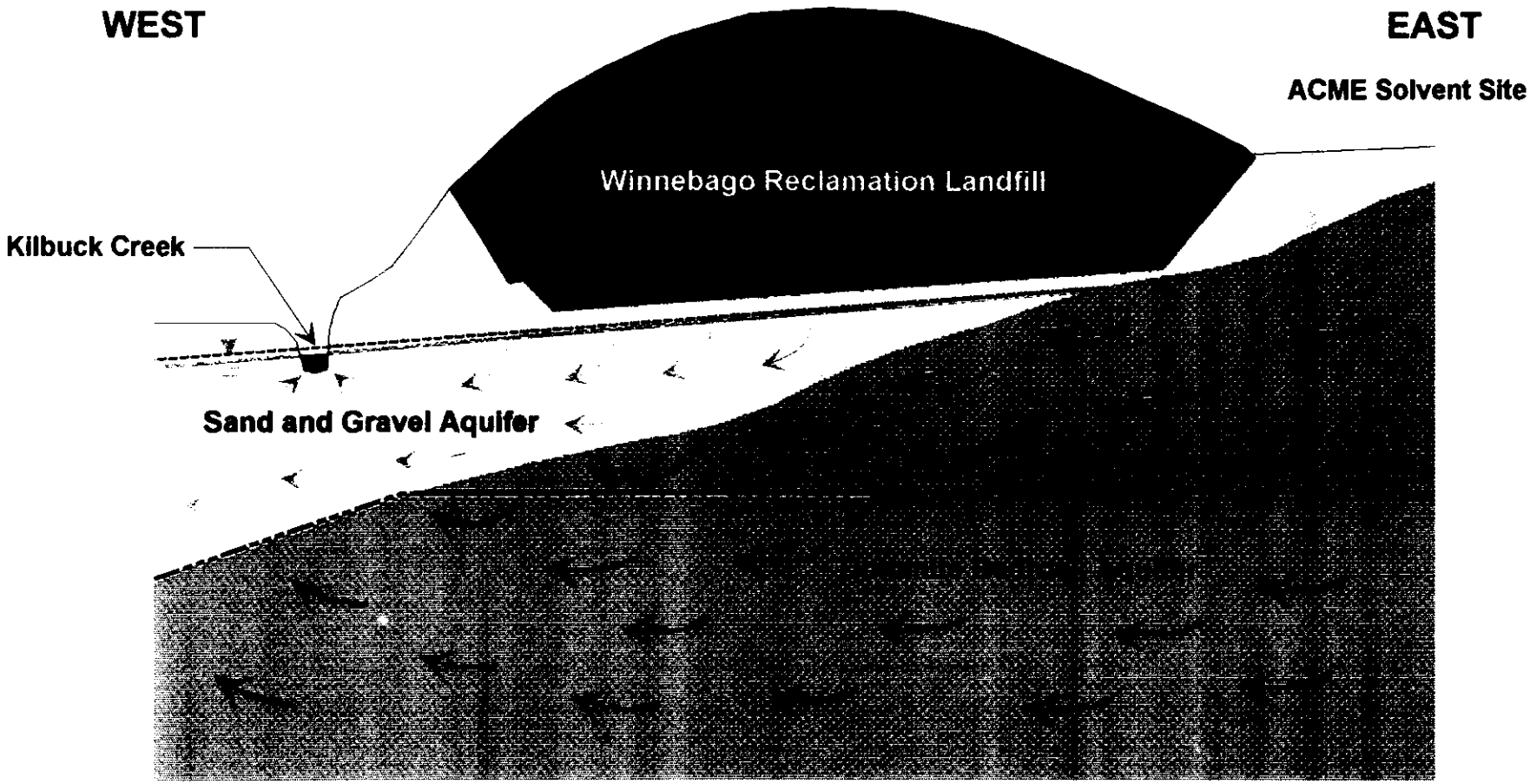
# 3 APPLICATION REQUIREMENTS

This section first provides a brief summary of the key hydrogeologic features that affect the transport of dissolved constituents in groundwater at the WRL site. This summary synthesizes information into the conceptual hydrogeologic model based on new data obtained from the extensive site characterization activities performed from February to May 1995. These field studies included soil borings, installation of nine monitoring wells, pressure-slug testing, and groundwater sampling. A summary of the drilling and well installation activities is provided in Appendix A. Later in this section, the groundwater management zone is provided based on the March 1995 groundwater sampling results.

## 3.1 HYDROGEOLOGIC BACKGROUND INFORMATION

The shallow subsurface geology beneath the WRL generally consists of sand and gravel deposits overlying fractured dolomite bedrock. East of the Pagel Landfill, a dolomite bedrock upland is present and outcrops in the vicinity of the Acme Solvent site. This bedrock upland represents the eastern bedrock escarpment of the Upper Rock buried valley. The Winnebago Reclamation Landfill is situated on the eastern edge of the Upper Rock buried bedrock valley. Although the depth of the overburden varies as the bedrock surface drops into the buried valley, it is approximately 70 feet deep at the western end of the landfill. The water table occurs in the dolomite bedrock east of the Pagel Landfill and beneath the eastern quarter of the Pagel Landfill. The water table occurs within the sand and gravel aquifer beneath the western three-fourths of the site and within the Kilbuck Creek Valley.

Figure 3.1 provides a generalized hydrogeologic cross section of the WRL site. Groundwater generally flows westward and downward in the bedrock upland. However, in areas where unconsolidated sediments are saturated, groundwater flows upward from the bedrock to the unconsolidated sediments because of the higher permeability of the sand and gravel deposits. At the WRL site, groundwater flow in the unconsolidated sediments is to the




**Legend**

sand and gravel potentiometeric surface

--------- bedrock potentiometeric surface

—- - - - — bottom of uppermost aquifer

Not drawn to scale

| | | | |
|---|---|---|---|
| TITLE | GENERALIZED CROSS SECTION OF HYDROGEOLOGIC CONDITIONS AT THE WRL SITE | | |
| LOCATION | Winnebago Reclamation Services, Rockford, IL. | | |
| GeoTrans, inc. GROUNDWATER SPECIALISTS | CHECKED | D.B. | FIGURE |
| | DRAFTED | P.K. | 3.1 |
| | FILE | 7735001A.DS4 | |
| | DATE | 8-26-95 | |

west-northwest. Shallow groundwater discharges to Kilbuck Creek. Groundwater in the lower part of the unconsolidated sediments flows beneath Kilbuck Creek. This is demonstrated by the presence of elevated inorganic compounds in the deeper zone to the west of Kilbuck Creek.

Over the past seven years that water level data have been collected, groundwater flow directions have been consistent over time. Pre-RI water table maps included in Appendix F of the RI report indicate that the general groundwater directions observed in 1985 are consistent with those reported in the RI (1988 to 1990), and the GIA (1994 to 1995). The report of hydrogeological investigations (GeoTrans, 1995) provides additional detail regarding the hydrogeology of the site.

## 3.2 DETERMINATION OF THE GROUNDWATER MANAGEMENT ZONE

As stated above, groundwater samples were collected from 25 wells in March 1995 in order to define the groundwater management zone (GMZ). The GMZ defines the three-dimensional extent of impacted groundwater that is elevated above Applicable Groundwater Quality Standards (AGQS). The AGQS for each compound was determined through statistical analysis, and is provided in Table 4.3 of the attached Groundwater Monitoring Plan. Since the areal and vertical extent of the GMZ will vary with the specific constituent, the GMA was defined by the constituent(s) which would encompass the largest area and include all detectable leachate constituents above their respective AGQS.

The list of monitoring wells sampled and chemical parameters analyzed is provided in the attached laboratory report (Appendix B). In order to fully characterize the leachate constituents in groundwater, samples were analyzed for the comprehensive suite of chemical parameters for six wells located near the source. For the remaining monitoring wells, groundwater samples were collected from four leachate wells within the landfill and eight wells located within the proposed GMZ and analyzed for a comprehensive suite of chemical parameters. In addition, groundwater samples were collected and analyzed for the CERCLA TAL/TCL list in 17 monitoring wells within the study area. Table 3.1 provides a

Table 3.1. List of compounds exceeding Applicable Groundwater Quality Standards (AGQS) based on March 1995 groundwater sampling event.

| Well ID | Parameter | March 1995 Sampling Event Results | Background Prediction Limits | Units |
|---|---|---|---|---|
| B15R | Ammonia Nitrogen | 73.20 | 0.900 | mg/L |
| B15R | 1,4-Dichlorobenzene | 0.01 | 0.004 | mg/L |
| B15R | Boron | 0.30 | 0.200 | mg/L |
| B15R | Chloride | 252.00 | 90.127 | mg/L |
| B15R | Potassium | 43.80 | 29.006 | mg/L |
| B15R | Tetrahydrofuran | 0.05 | 0.042 | mg/L |
| G115 | Ammonia Nitrogen | 1.00 | 0.900 | mg/L |
| G115 | Arsenic | 0.04 | 0.010 | mg/L |
| G115 | Chloride | 110.00 | 90.127 | mg/L |
| G115 | Nitrate Nitrogen* | 12.70 | 11.739 | mg/L |
| G116D | Ammonia Nitrogen | 3.66 | 0.900 | mg/L |
| G117 | Chloride | 229.00 | 90.127 | mg/L |
| G118A | Nitrate Nitrogen* | 11.80 | 11.739 | mg/L |
| G118R | Chloride | 314.00 | 90.127 | mg/L |
| G130 | Nitrate Nitrogen* | 12.90 | 11.739 | mg/L |
| G130A | Nitrate Nitrogen* | 12.60 | 11.739 | mg/L |
| G33D | Nitrate Nitrogen* | 12.00 | 11.739 | mg/L |
| G34S | Ammonia Nitrogen | 24.40 | 0.900 | mg/L |
| G34S | Fluoride* | 0.48 | 0.273 | mg/L |
| G35D | Ammonia Nitrogen | 121.00 | 0.900 | mg/L |
| G35D | Barium | 0.56 | 0.542 | mg/L |
| G35D | Boron | 0.71 | 0.200 | mg/L |
| G35D | Chloride | 324.00 | 90.127 | mg/L |
| G35D | Potassium | 70.00 | 29.006 | mg/L |
| G35S | Ammonia Nitrogen | 6.10 | 0.900 | mg/L |
| G36 | Nitrate Nitrogen* | 12.70 | 11.739 | mg/L |
| G37D | Ammonia Nitrogen | 6.11 | 0.900 | mg/L |
| MW106 | Ammonia Nitrogen | 208.00 | 0.900 | mg/L |
| MW106 | 1,2,3-Trichlorobenzene | 0.01 | 0.005 | mg/L |
| MW106 | 1,2,4-Trichlorobenzene | 0.01 | 0.005 | mg/L |
| MW106 | 1,4-Dichlorobenzene | 0.01 | 0.004 | mg/L |
| MW106 | Barium | 0.77 | 0.542 | mg/L |
| MW106 | Boron | 1.33 | 0.200 | mg/L |
| MW106 | Chloride | 629.00 | 90.127 | mg/L |
| MW106 | Potassium | 104.00 | 29.006 | mg/L |
| MW106 | Sodium | 253.00 | 164.790 | mg/L |
| MW106 | Tetrahydrofuran | 0.09 | 0.042 | mg/L |
| P1 | Ammonia Nitrogen | 94.20 | 0.900 | mg/L |
| P1 | 1,4-Dichlorobenzene | 0.01 | 0.004 | mg/L |
| P1 | Boron | 0.55 | 0.200 | mg/L |

Table 3.1. List of compounds exceeding Applicable Groundwater Quality Standards (AGQS) based on March 1995 groundwater sampling event (continued).

| Well ID | Parameter | March 1995 Sampling Event Results | Background Prediction Limits | Units |
|---|---|---|---|---|
| P1 | Chloride | 202.00 | 90.127 | mg/L |
| P1 | Ethylbenzene | 0.03 | 0.005 | mg/L |
| P1 | Potassium | 61.50 | 29.006 | mg/L |

*Not attributable to a release from the landfill.

list of all the wells and the compounds associated with the individual well that exceed their AGQS. Table 3.2 contains a list of all the compounds proposed for the GMZ.

Figures 3.2, 3.3, and 3.4 show ammonia nitrogen concentrations in the upper unconsolidated, lower unconsolidated and shallow bedrock zones, respectively, based on the recent March 1995 groundwater sampling event. In order to elucidate the transport pathways of ammonia nitrogen, plots of the April 25, 1995 potentiometric surface maps are also presented. In the upper zone of the sand and gravel aquifer, nitrogen ammonia concentrations are elevated near the landfill and also west of Kilbuck Creek at G34S and G35S. In the lower zone of the sand and gravel aquifer, ammonia concentrations are also elevated near the landfill, west of Kilbuck Creek, and at G37D. Ammonia was not detected in any of the downgradient bedrock monitor wells.

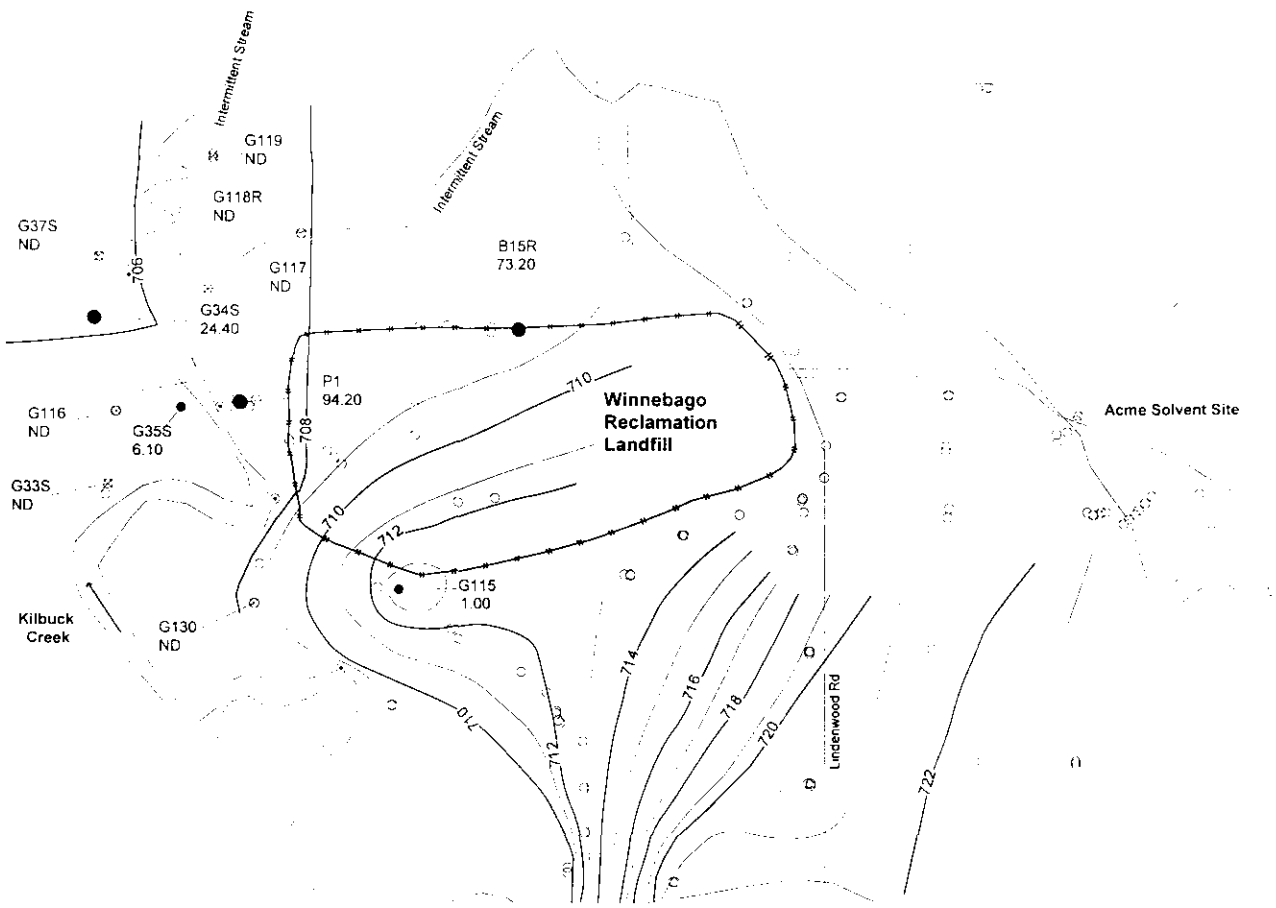
The ammonia distribution in the unconsolidated and upper bedrock aquifer system is consistent with migration pathways of other leachate constituents at the WRL site. Based on the ammonia nitrogen distribution and the potentiometric surface maps, it is apparent that impacted groundwater flows to the west-southwest. Deeper groundwater flows beneath Kilbuck Creek and later flows back upward into the upper zone to discharge at a lower elevation point of Kilbuck Creek. This upward flowpath to the northwest of Kilbuck Creek is clearly shown by the presence of ammonia at G34S, and the lack of ammonia at G34D. Flow model particle tracking also shows this transport pathway. It should also be noted that there is a strong correlation between elevated ammonia concentrations and low dissolved oxygen concentrations. This suggests that oxygen is a limiting factor for aerobic metabolism of ammonia by natural bacteria. Remedial measures, such as air sparging, may increase dissolved oxygen levels and enhance biodegradation of ammonia.

Figures 3.5, 3.6, and 3.7 show chloride concentration in the upper unconsolidated, lower unconsolidated, and shallow bedrock zones, respectively, based on the recent March 1995 groundwater sampling event. Overlain on these plots are observed April 25, 1995, potentiometric surface maps which shows groundwater flow directions in each zone.

Table 3.2. List of compounds proposed for inclusion in the Groundwater Management Zone.

| Compounds |
| --- |
| Ammonia Nitrogen |
| Arsenic |
| Barium |
| Boron |
| Chloride |
| 1,4-Dichlorobenzene |
| Ethylbenzene |
| Fluoride* |
| Nitrate Nitrogen* |
| Potassium |
| Sodium |
| 1.2.3-Trichlorobenzene |
| 1.2.4-Trichlorobenzene |
| Tetrahydrofuran |

*Not attributable to a release from the landfill.




N

**Ammonia Nitrogen (March 1995)**

Concentrations in mg/L

- > 100
- 10 to 100
- 1 to 10
- < 1
- ND

Note: Labels indicate well ID, and value.

Existing Well

730 — Groundwater Elevation Contours (4/25/95)

P1 94.20 — Well ID, and Concentration

Existing Stream Gauge

0 530 1060

feet

Concentration of Ammonia Nitrogen in the Upper Zone of the Sand and Gravel Aquifer

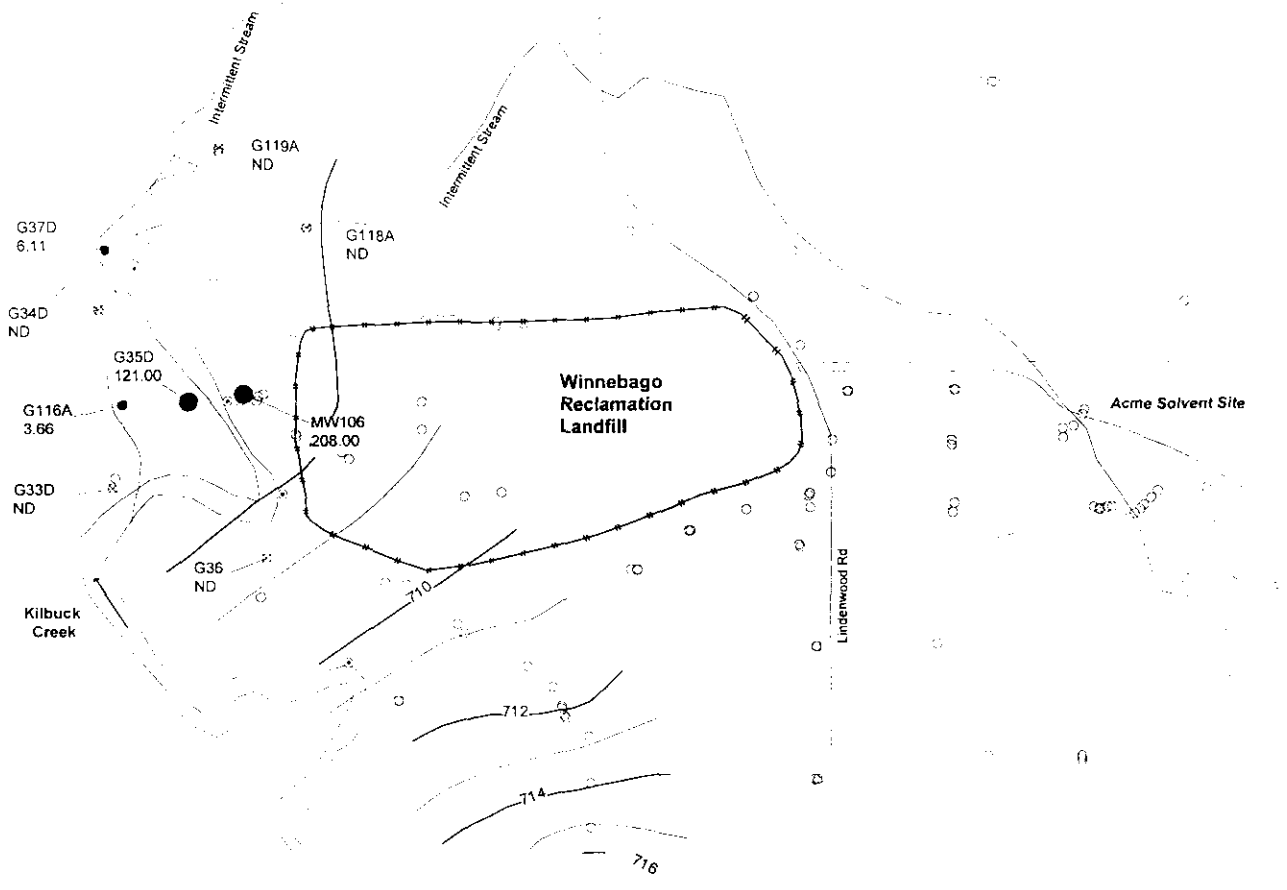
GeoTrans, inc.

Prepared by: PMM Date 6/30/95

Checked by: DB Revised.

Plotted by: PMM Drawing: nh3_n2.wor

Figure 3.2




N

**Ammonia Nitrogen (March 1995)**

Concentrations in mg/L

- > 100 (2)
- 10 to 100 (0)
- 1 to 10 (2)
- < 1 (0)
- ND (5)

Note: Labels indicate well ID, and value

Existing Well

730 — Groundwater Elevation Contours (4/25/95)

P1 94.20 — Well ID, and Concentration

Existing Stream Gauge

0 530 1060

feet

Concentration of Ammonia Nitrogen in the Lower Zone of the Sand and Gravel Aquifer

GeoTrans, Inc.

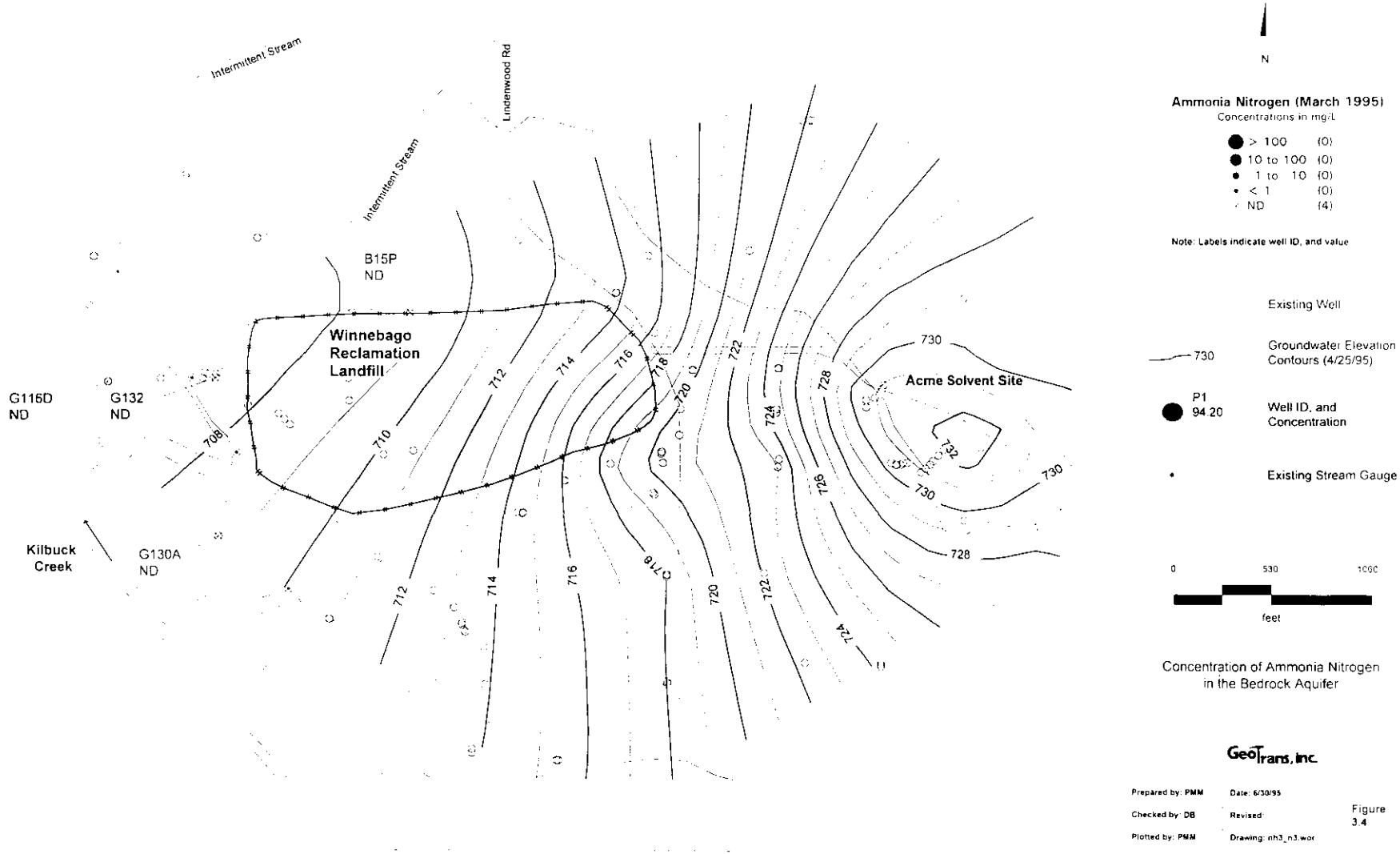
Prepared by: PMM Date 6/30/95

Checked by: DB Revised

Plotted by: PMM Drawing nh3_n4.wor

Figure 3.3

p:\data\winnebago\engineer\7745\nh3_n4.wor



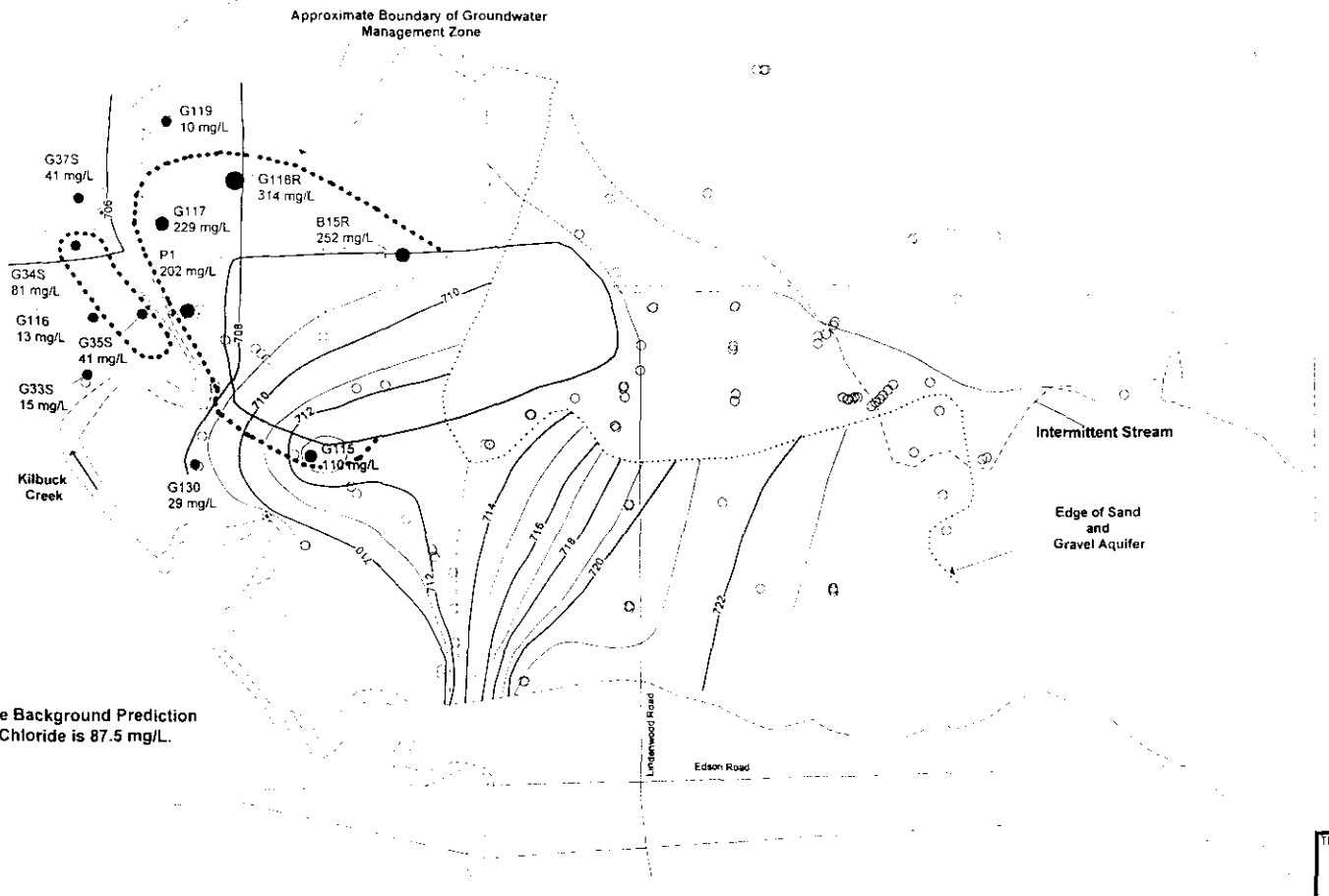

Concentration of Ammonia Nitrogen in the Bedrock Aquifer

GeoTrans, Inc.

Prepared by: PMM
Date: 6/30/95
Checked by: DB
Revised:
Plotted by: PMM
Drawing: nh3_n3.wor

Figure 3.4

p:\data\winnebagoengineer\7746\nh3_n3.wor




Note: The Background Prediction Limit for Chloride is 87.5 mg/L.

N

Winnebago Reclamation Services

Concentrations of Chloride (mg/L)

- > 300
- 200 to 300
- 100 to 200
- < 100

Existing Well

Existing Stream Gage

G101 160 mg/L — Well I.D. and Chloride Concentration

750 — Groundwater Elevation Contours (4/25/95)

0 680 1360
feet

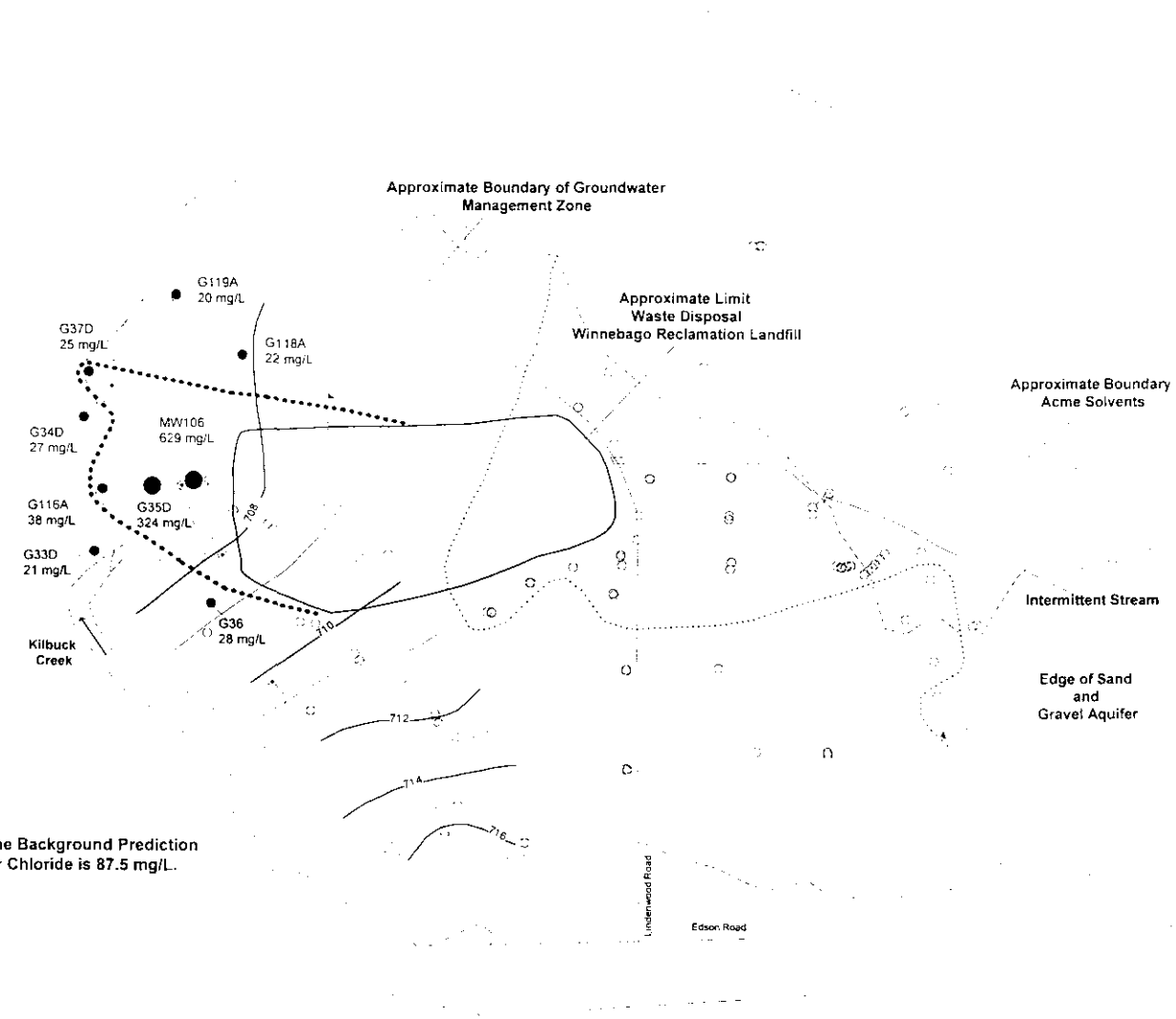
TITLE Observed March 1995 Chloride Concentrations and Designated Groundwater Management Zone (GMZ) in the Upper Zone of the Sand and Gravel Aquifer.

LOCATION Winnebago Reclamation Services, Rockford, IL

GeoTrans, Inc.

| | |
|---|---|
| CHECKED | GCG |
| DRAFTED | DB |
| FILE | clry1395.wor |
| DATE | 5-9-95 |

FIGURE 3.5




Note: The Background Prediction Limit for Chloride is 87.5 mg/L.

N

Winnebago Reclamation Services

*Concentrations of Chloride (mg/L)*

- > 300
- 200 to 300
- 100 to 200
- < 100

Existing Well

Existing Stream Gage

G101 160 mg/L — Well I.D. and Chloride Concentration

750 — Groundwater Elevation Contours (4/25/95)

0 680 1360
feet

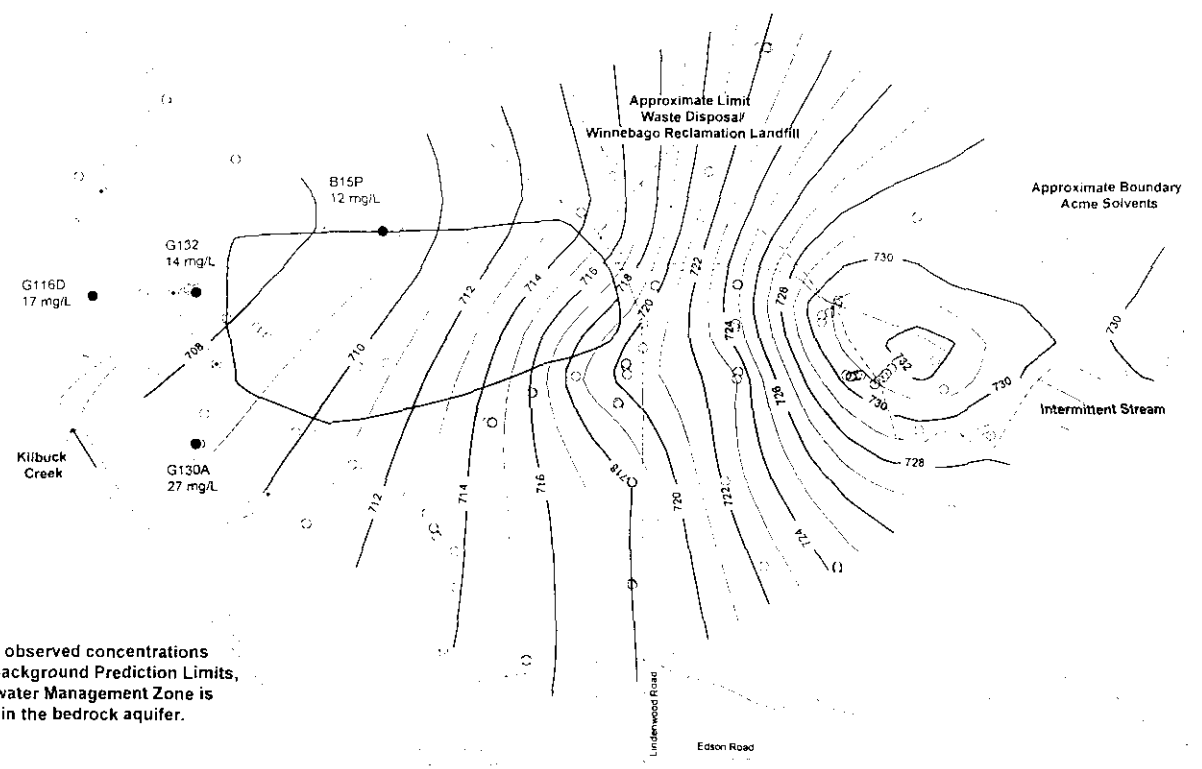
TITLE Observed March 1995 Chloride Concentrations and Designated Groundwater Management Zone (GMZ) in the Lower Zone of the Sand and Gravel Aquifer.

LOCATION Winnebago Reclamation Services, Rockford, IL.

GeoTrans, inc.

CHECKED GCG
DRAFTED DB
FILE clry2395 wo/
DATE 5-9-95

FIGURE 3.6




Note: Since observed concentrations are below Background Prediction Limits, no Groundwater Management Zone is designated in the bedrock aquifer.

N

Winnebago Reclamation Services

Concentrations of Chloride (mg/L)

- > 300
- 200 to 300
- 100 to 200
- < 100

Existing Well

Existing Stream Gage

G101 160 mg/L — Well I.D. and Chloride Concentration

750 — Groundwater Elevation Contours (4/25/95)

0 680 1360
feet

TITLE
Observed March 1995 Chloride Concentrations in the Bedrock Aquifer.

LOCATION
Winnebago Reclamation Services, Rockford, IL.

GeoTrans, inc.

CHECKED GCG
DRAWN DB

FIGURE 37

Chloride was chosen as a representative constituent because of its conservative, nonreactive nature coupled with its high concentrations in leachate compared to other organic and inorganic compounds. Each leachate constituent concentration in groundwater was examined to determine its groundwater management zone. Based on this analysis, the GMZ for chloride encompasses all of the constituent specific GMZ's, except ammonia. Therefore, the combined GMZs of ammonia and chloride will encompass the GMZs of all leachate constituents.

The distribution of chloride concentrations in the upper zone of the sand and gravel aquifer is shown in Figure 3.2. It is apparent that chloride concentrations are generally higher near the landfill and lower in the downgradient monitoring wells to the northwest. The elevated chloride concentrations at G118R may also be caused by a local source. The slightly elevated concentrations at G115 are probably caused by recharge from landfill runoff based on the groundwater elevation high in this area and its upgradient location. The combination of the distributions of both ammonia and chloride above their AGQs was used to determine the groundwater management zone. Figure 3.2 shows this designated groundwater management zone in the upper part of the sand and gravel aquifer.

Figure 3.6 shows the March 1995 distribution of chloride in the lower zone of the sand and gravel aquifer. Although shallow groundwater discharges to Kilbuck Creek on both its east and west edges, deeper groundwater flows below the landfill and underneath Kilbuck Creek toward the west-northwest. This is exhibited by the elevated chloride concentrations at G35D (324 mg/L). Based on the extent of chloride and ammonia, the GMZ for the lower zone of the sand and gravel aquifer is also shown in Figure 3.6.

The observed March 1995 chloride concentrations in the dolomite bedrock aquifer are shown in Figure 3.4. It is apparent that chloride concentrations are well below the AGQS of 87.5 mg/L for chloride. These low chloride concentrations in bedrock are expected, since groundwater flow is upward from bedrock aquifer into the sand and gravel aquifer.

## 3.3 DESCRIPTION OF REMEDIAL MEASURES

### Final Cover

A final cover meeting the requirements of 35 IAC 811 is required under the terms of the ROD and Consent Decree. The final cover will consist of a 12-inch layer of compacted earthen material overlain by a textured 30-mil VLDPE geomembrane. The vegetated protective layer will consist of an eight-inch granular drainage layer overlain by soil for a total protective layer thickness of 36 inches. Details regarding the design and installation of the final cover can be found in the engineering design portion of the overall Application for Significant Modification to Permit for an Existing Unit (July 1995).

### Gas/Leachate Collection

A gas/leachate collection system for this site is required by 35 IAC 811, as well as the ROD and the Consent Decree. In addition to the base liner leachate collection system, vertical eight-inch-diameter dual gas/leachate extraction wells will be installed approximately 200 feet apart around the (inside) perimeter of the landfill with interior wells located on a rectangular grid spaced similarly to perimeter wells. The dual-purpose wells will be fitted with a well head assembly and conveyance piping allowing for the collection of gas by a central mechanical blower.

Leachate will be extracted, using dedicated pumps, from each well to a collection assembly and gravity-drained to one of four 10,000-gallon, double-walled tanks buried beneath the final cover. The leachate will be pumped automatically from these transfer stations to the leachate storage lagoon. The leachate storage lagoon will be constructed at the top of the landfill with a composite liner of two feet of clay overlain by a 60-mil, high-density polyethylene geomembrane. The leachate storage lagoon will be connected via pipeline to the sanitary sewer system.

Details regarding the design and installation of the dual gas-leachate collection system can be found in the engineering design portion of the overall Application for Significant Modification to Permit for an Existing Unit (July 1995).

**Groundwater Remediation**

A groundwater remediation system for impacted groundwater in the western portion of the site is required under the terms of the ROD and Consent Decree. A preliminary design (30%) for the groundwater remediation system was submitted to the USEPA in April 1995. A more detailed engineering design studies of air sparging and wetlands treatment remediation systems was completed and a revised Remedial Design incorporating air sparging was also completed. This report is submitted as part of this application in the "Groundwater Remedial Alternative Analysis and Preliminary design (Air Sparging).

## 3.4 DESCRIPTION OF MONITORING OF DIRECT REMEDIAL MEASURES

### 3.4.1 FINAL COVER

During installation, the Construction Quality Assurance Plan included in the Application for Significant Modification to an Existing Permit will be implemented to verify that the final cover is installed as designed. Long-term maintenance and monitoring of the final cover is provided for in the Post-Closure Care Plan, which is included in the Application for Significant Modification to an Existing Permit.

### 3.4.2 GAS/LEACHATE COLLECTION

Gas monitoring probes will be located around the landfill to detect potential migration. Gas within the landfill will be monitored at the main collection line. Ambient air samples will be collected from a least three downwind locations. Monitoring will be performed at the frequencies described in the Application for Significant Modification to an Existing Permit. Samples of leachate will be collected and tested in accordance with 35 IAC 811.309 (g).

Long-term maintenance and monitoring of the gas/leachate collection system is described in the Post-Closure Care Plan, which is included in the Application for Significant Modification to an Existing Permit.

### 3.4.3 GROUNDWATER MONITORING

Groundwater monitoring will be accomplished in two phases: O&M monitoring and Verification monitoring. These programs are described in the Groundwater Monitoring Plan (July 1995), which is part of the Application for Significant Modification to an Existing Permit.

# APPENDICES

APPENDIX A

# APPENDIX A

Field Investigation Report for
Winnebago Reclamation Service – Pagel Landfill

ROBERTA L. JENNINGS
BELINDA STAUROWSKY
CONSULTING HYDROGEOLOGISTS

2926 N. SHOREWOOD DRIVE
McHENRY, ILLINOIS 60050-0340
815 / 344-0017

A.I.P.G. CPGS 6440
IND. CPG 257

# FIELD INVESTIGATION REPORT

# FOR

# WINNEBAGO RECLAMATION SERVICE - PAGEL LANDFILL

## February and March, 1995

At the request of Winnebago Reclamation Services (WRS), Jennings & Staurowsky (J&S) were onsite to perform tasks for a field program at Pagel Landfill conducted in February and March, 1995. The investigation was designed to provide additional information on the hydrogeology and geology west and northwest of the the present fill area, which may constitute a significant portion of a groundwater management zone, as defined by GEOTRANS and WRS. Layne Northwest Company was contracted by WRS to perform all drilling, well construction and well development. The field program was carried out in two phases. Phase 1 consisted of drilling five boreholes from which grab samples of groundwater were obtained. Information derived from Phase 1 was then utilized to select the locations and depths of nine groundwater monitoring wells to be installed during Phase 2. Both Phase 1 and Phase 2 activities were conducted under the direction of WRS personnel. Figure 1 shows the location of the borings and monitor wells. Geologic logs for borings are included in Attachment A, as are geologic logs and construction details for the newly installed monitor wells. Specifics of the field program are as follows.

Phase 1 consisted of drilling five test boreholes, designated TB1, TB2, TB3, TB4, and TB5, using an Ingersoll-Rand TH-60 drill rig. The borings were advanced using dual tube reverse air circulation through 4 1/2 inch hollow stem augers and utilizing a 4 3/4 inch tricone roller bit. Dual tube reverse air circulation proceeds by means of a flush-jointed, double-walled drill pipe which precludes contact of the drilling air with the surrounding formation everywhere except at the drill bit. Formation material was observed and logged at the air discharge point after

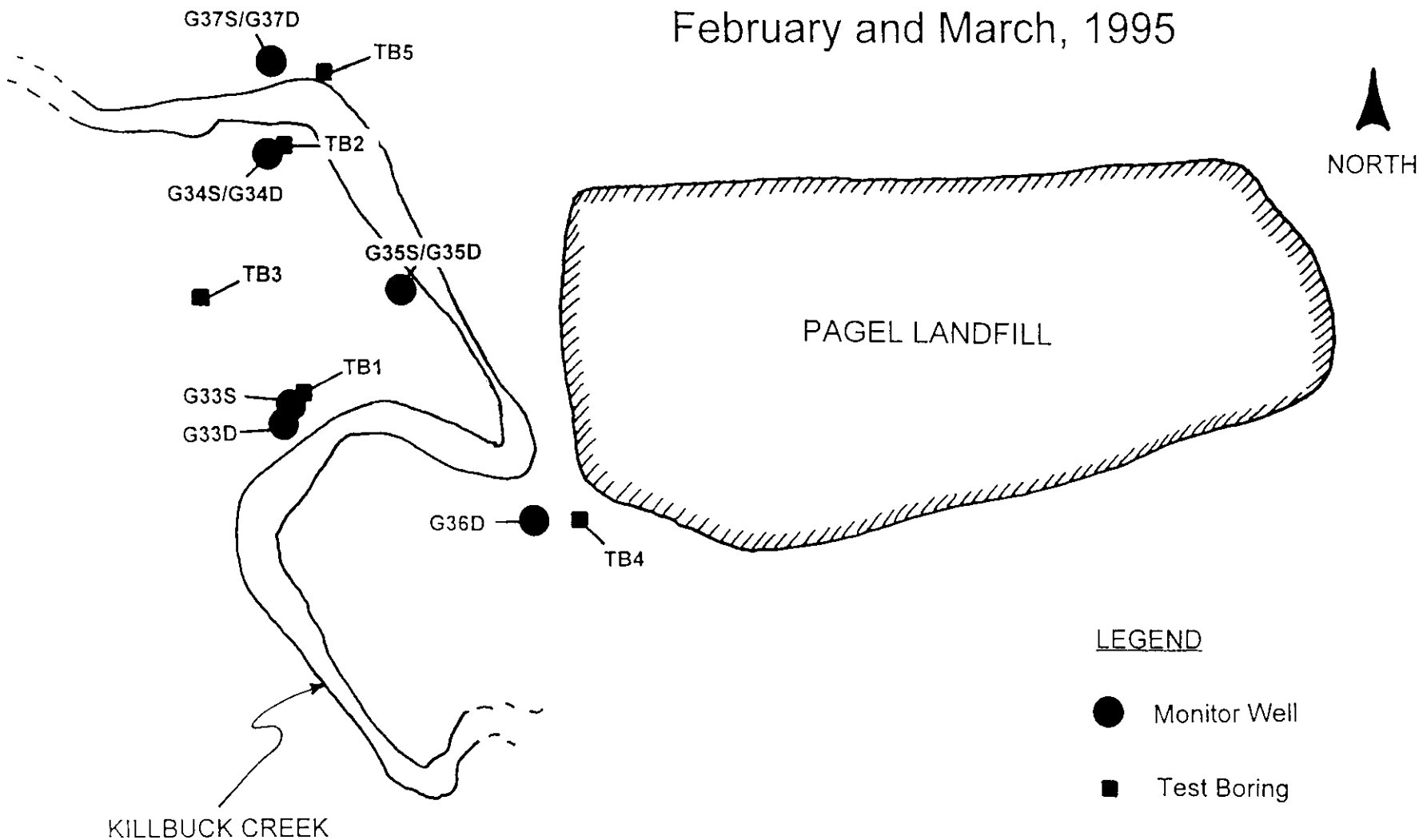
passing through a cyclone. Uphole velocity of the air ranged from 60 to 80 feet per second, which allows instantaneous observation of materials from the bottom of the borehole. Additionally,-this drilling method permits sampling of groundwater without removing the drill pipe. Groundwater samples were collected in the boreholes after purging approximately 10 to 20 volumes of the drill pipe with a Grundfos submersible pump. Samples were collected at five to ten feet above bedrock and at 35 to 50 feet below ground surface, depending on borehole geology. WRS and Belinda Staurowsky of J&S oversaw the drilling and performed sampling procedures.

Drilling and installation of nine monitor wells composed the scope of work for Phase 2 of the field program at Pagel Landfill. The nine monitor wells were divided into four shallow-deep well groups designated G33S/G33D, G34S/G34D, G35S/G35D, and G37S/G37D, with a singular deep well designated G36D. Figure 1 shows their respective locations. A CME 850 track-mounted drill rig was used for drilling and advanced the borings via hollow stem augering. The hollow stem augers were of an 8 1/2 inch outside diameter, with the lead auger possessing a bullet-toothed cutting head of 9 1/2 inch outside diameter. Deep borings for the wells were continuously sampled, while the shallow wells, located within a 10 feet radius of the deep boring, were sampled throughout the respective screen interval only. Sampling was performed through the use of a split-spoon barrel sampler measuring approximately two feet in length with an inside diameter of two inches. The sampler would be introduced into the borehole on the end of two-inch diameter drill rods. Once the sampler rested on the bottom of the borehole, a 140-pound hydraulic hammer would then be fitted over the top of the drill rod. The hammer would fall from an approximate height of four feet, striking the rod and pounding the sampler through the geologic materials. Upon retreiving the sampler, the the geologic material would be logged, noting type of material, color, moisture, etc. Thin-walled Shelby tube samples were taken where possible in order to analyze cohesive materials. Representative samples of geologic material were selected to be tested for some or all of the following parameters: porosity, grain size, fraction of organic carbon, vertical permeability, horizontal permeability, and cation exchange capacity. The results of these tests can be found in Attachment B.

All monitor wells were constructed of schedule 316 stainless steel risers with ten feet long schedule 316 stainless steel screens with 0.10 slot, with two exceptions. Due to a substantial thickness of silt and clays at the G37 location, G37S was fitted with a five feet screen of 0.10 slot. Monitor well G37D was fitted with a ten feet screen of 0.06 slot due to the siltier nature of the sands and gravels encountered at that location. Annular space materials consisted of: Colorado Silica Sand size 20-40 to fill the space throughout the screen interval to two feet

above the top of screen; Cetco Pure Gold Bentonite chips (medium) or Enviroplug Bentonite chips (medium) to form two to three feet of annular seal; Naturalgel Bentonite mixed with potable water for grouting the annular space above the seal to within two feet of surface; and, Portland cement for a cap. Two exceptions should be noted. First, all shallow wells received bentonite chips as the vertical annular space was relatively thin. Second, G33D received a cement-bentonite grout. See Attachment A for all monitor well details.

# FIGURE 1: Location of Test Borings and Monitor Wells Drilled and Installed February and March, 1995




DRAWING PREPARED BY BGS OF JENNINGS & STAUROWSKY

# ATTACHMENT A

## Geologic Logs of Borings for Test Borings and Monitor Wells

## and

## Monitor Well ConstructionDetails

# Geologic Logs of Borings for Test Borings and Monitor Wells

# GEOLOGIC LEGEND FOR LOGS

- TOPSOIL OR LOAM
- ORGANICS
- BROWN CLAY
- BLACK CLAY
- GRAY CLAY
- CLAYEY
- SILT
- FINE - COARSE SAND
- SMALL - LARGE GRAVEL
- COBBLES
- WEATHERED BEDROCK

DRAWING PREPARED BY BGS OF JENNINGS & STAUROWSKY

| BORING NUMBER | GEOLOGIC LOG OF BORING | JENNINGS AND STAUROWSKY CONSULTING HYDROGEOLOGISTS |
|---|---|---|
| TB1 | | |

| PROJECT | COORDINATES | SHEET |
|---|---|---|
| Winnebago Reclamation - Pagel Landfill | N 2001699.00 E 798744.00 | 1 of 4 |

| DRILLER | RIG | METHOD |
|---|---|---|
| Layne Northwest | Ingersoll-Rand TH-60 | Dual Tube Reverse (Air) Circulation |

| GROUND SURFACE ELEV. | DATE STARTED | WELL/PIEZOMETER CROSS REF. | WATER LEVELS: (ft. below ground surface) |
|---|---|---|---|
| 711 ft. MSL | 2-20-95 | | While Drilling: @ Completion: |

| END OF BORING ELEV. | DATE COMPLETED | LOGGED BY | PROJECT NUMBER |
|---|---|---|---|
| 646 ft. MSL | 2-20-95 | T. Hilbert | |

NOTES: *This boring was done to obtain grab samples of groundwater. No well was installed.*

| DEPTH (ft.) | SAMPLE NUMBER | BLOWS | REC. | Qu | SOIL DESCRIPTION | UNIT ELEV. | GEOLOGIC UNIT | GRAPHIC LOG | WELL/PIEZ DETAILS |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Dark brown silty LOAM | | | | |
| 5 | | | | | Light brown coarse sandy GRAVEL | 706.0 | | | |
| 15 | | | | | Light brown fine-medium SAND, well sorted | 696.0 | | | |

| BORING NUMBER | GEOLOGIC LOG OF BORING | JENNINGS AND STAUROWSKY CONSULTING HYDROGEOLOGISTS |
|---|---|---|
| TB1 | | |

| PROJECT | COORDINATES | SHEET |
|---|---|---|
| Winnebago Reclamation - Pagel Landfill | N 2001699.00 E 798744.00 | 2 of 4 |

| DRILLER | RIG | METHOD |
|---|---|---|
| Layne Northwest | Ingersoll-Rand TH-60 | Dual Tube Reverse (Air) Circulation |

| GROUND SURFACE ELEV. | DATE STARTED | WELL/PIEZOMETER CROSS REF. | WATER LEVELS: (ft. below ground surface) |
|---|---|---|---|
| 711 ft. MSL | 2-20-95 | | While Drilling: @ Completion: |

| END OF BORING ELEV. | DATE COMPLETED | LOGGED BY | PROJECT NUMBER |
|---|---|---|---|
| 646 ft. MSL | 2-20-95 | T. Hilbert | |

NOTES: *This boring was done to obtain grab samples of groundwater. No well was installed.*

| DEPTH (ft.) | SAMPLE NUMBER | BLOWS | REC. | Gu | SOIL DESCRIPTION | UNIT ELEV. | GEOLOGIC UNIT | GRAPHIC LOG | WELL/PIEZ DETAILS |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Light brown medium-coarse SAND and small-large GRAVEL | | | | |
| 21 | | | | | | | | | |
| 22 | | | | | | | | | |
| 23 | | | | | | | | | |
| 24 | | | | | at approximately 24.0', contains silt | | | | |
| 25 | | | | | | 686.0 | | | |
| | | | | | Light brown gravelly SILT | | | | |
| 26 | | | | | | | | | |
| 27 | | | | | | | | | |
| 28 | | | | | | | | | |
| 29 | | | | | | | | | |
| 30 | | | | | | 681.0 | | | |
| | | | | | Light brown silty, gravelly SAND | | | | |
| 31 | | | | | | | | | |
| 32 | | | | | | | | | |
| 33 | | | | | | 678.0 | | | |
| | | | | | Light brown silty, sandy GRAVEL | | | | |
| 34 | | | | | | | | | |
| 35 | | | | | | 676.0 | | | |
| | | | | | Light brown gravelly SAND (Water sample obtained at 35.0') | | | | |
| 36 | | | | | | | | | |
| 37 | | | | | | | | | |
| 38 | | | | | | | | | |
| 39 | | | | | | | | | |
| 40 | | | | | | | | | |

| BORING NUMBER | GEOLOGIC LOG OF BORING | JENNINGS AND STAUROWSKY CONSULTING HYDROGEOLOGISTS |
|---|---|---|
| TB1 | | |

| PROJECT | COORDINATES | SHEET |
|---|---|---|
| Winnebago Reclamation - Pagel Landfill | N 2001699.00 E 798744.00 | 3 of 4 |

| DRILLER | RIG | METHOD |
|---|---|---|
| Layne Northwest | Ingersoll-Rand TH-60 | Dual Tube Reverse (Air) Circulation |

| GROUND SURFACE ELEV. | DATE STARTED | WELL/PIEZOMETER CROSS REF. | WATER LEVELS: (ft. below ground surface) |
|---|---|---|---|
| 711 ft. MSL | 2-20-95 | | While Drilling: @ Completion: |

| END OF BORING ELEV. | DATE COMPLETED | LOGGED BY | PROJECT NUMBER |
|---|---|---|---|
| 646 ft. MSL | 2-20-95 | T. Hilbert | |

NOTES: *This boring was done to obtain grab samples of groundwater. No well was installed.*

| DEPTH (ft.) | SAMPLE NUMBER | BLOWS | REC. | Qu | SOIL DESCRIPTION | UNIT ELEV. | GEOLOGIC UNIT | GRAPHIC LOG | WELL/PIEZ DETAILS |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Light brown gravelly SAND | | | | |
| 41 | | | | | | | | | |
| 42 | | | | | | | | | |
| 43 | | | | | | 668.0 | | | |
| | | | | | Buff fine-medium silty SAND | | | | |
| 44 | | | | | | 667.0 | | | |
| | | | | | Light brown coarse SAND and GRAVEL | | | | |
| 45 | | | | | | 666.0 | | | |
| | | | | | Light orange-brown coarse sandy GRAVEL | | | | |
| 46 | | | | | | | | | |
| 47 | | | | | | | | | |
| 48 | | | | | | | | | |
| 49 | | | | | | 662.0 | | | |
| | | | | | Light brown gravelly SAND | | | | |
| 50 | | | | | | 661.0 | | | |
| | | | | | Medium SAND, well sorted | | | | |
| 51 | | | | | | | | | |
| 52 | | | | | | | | | |
| | | | | | below 52.5, contains gravel | | | | |
| 53 | | | | | | | | | |
| 54 | | | | | | | | | |
| 55 | | | | | | 656.0 | | | |
| | | | | | Buff gravelly coarse SAND | | | | |
| 56 | | | | | | | | | |
| 57 | | | | | between 57' and 59', sand becomes well sorted and medium grain | | | | |
| 58 | | | | | | | | | |
| 59 | | | | | | | | | |
| 60 | | | | | | | | | |

| BORING NUMBER | GEOLOGIC LOG OF BORING | JENNINGS AND STAUROWSKY CONSULTING HYDROGEOLOGISTS |
|---|---|---|
| TB1 | | |

| PROJECT | COORDINATES | SHEET |
|---|---|---|
| Winnebago Reclamation - Pagel Landfill | N 2001699.00 E 798744.00 | 4 of 4 |

| DRILLER | RIG | METHOD |
|---|---|---|
| Layne Northwest | Ingersoll-Rand TH-60 | Dual Tube Reverse (Air) Circulation |

| GROUND SURFACE ELEV. | DATE STARTED | WELL/PIEZOMETER CROSS REF. | WATER LEVELS: (ft. below ground surface) |
|---|---|---|---|
| 711 ft. MSL | 2-20-95 | | While Drilling: @ Completion: |

| END OF BORING ELEV. | DATE COMPLETED | LOGGED BY | PROJECT NUMBER |
|---|---|---|---|
| 646 ft. MSL | 2-20-95 | T. Hilbert | |

NOTES: *This boring was done to obtain grab samples of groundwater. No well was installed.*

| DEPTH (ft.) | SAMPLE NUMBER | BLOWS | REC. | Gu | SOIL DESCRIPTION | UNIT ELEV. | GEOLOGIC UNIT | GRAPHIC LOG | WELL/PIEZ DETAILS |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Orange coarse SAND and GRAVEL, grades to: | | | | |
| 61 | | | | | | 650.0 | | | |
| | | | | | Light brown gravelly SAND | | | | |
| 62 | | | | | | | | | |
| 63 | | | | | | 648.0 | | | |
| | | | | | BEDROCK (dolomite) | | | | |
| | | | | | (Water sample obtained at approximately 63') | | | | |
| 64 | | | | | | | | | |
| 65 | | | | | | 646.0 | | | |
| | | | | | End of boring = 65.0' | | | | |
| | | | | | Boring grouted upon completion | | | | |
| 66 | | | | | | | | | |
| 67 | | | | | | | | | |
| 68 | | | | | | | | | |
| 69 | | | | | | | | | |
| 70 | | | | | | | | | |
| 71 | | | | | | | | | |
| 72 | | | | | | | | | |
| 73 | | | | | | | | | |
| 74 | | | | | | | | | |
| 75 | | | | | | | | | |
| 76 | | | | | | | | | |
| 77 | | | | | | | | | |
| 78 | | | | | | | | | |
| 79 | | | | | | | | | |
| 80 | | | | | | | | | |

| BORING NUMBER | GEOLOGIC LOG OF BORING | JENNINGS AND STAUROWSKY CONSULTING HYDROGEOLOGISTS |
|---|---|---|
| TB2 | | |

| PROJECT | COORDINATES | SHEET |
|---|---|---|
| Winnebago Reclamation - Pagel Landfill | N 2002433.00 E 798701.00 | 1 of 4 |

| DRILLER | RIG | METHOD |
|---|---|---|
| Layne Northwest | Ingersoll-Rand TH-60 | Dual Tube Reverse (Air) Circulation |

| GROUND SURFACE ELEV. | DATE STARTED | WELL/PIEZOMETER CROSS REF. | WATER LEVELS: (ft. below ground surface) |
|---|---|---|---|
| 710 ft. MSL | 2-21-95 | | While Drilling: @ Completion: |

| END OF BORING ELEV. | DATE COMPLETED | LOGGED BY | PROJECT NUMBER |
|---|---|---|---|
| 635 ft. MSL | 2-21-95 | B. Staurowsky | |

NOTES: *This boring was done to obtain grab samples of groundwater. No well was installed.*

| DEPTH (ft.) | SAMPLE NUMBER | BLOWS | REC. | Qu | SOIL DESCRIPTION | UNIT ELEV. | GEOLOGIC UNIT | GRAPHIC LOG | WELL/PIEZ DETAILS |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Black wet silty clay TOPSOIL | | | | |
| 5 | | | | | Brown fine-coarse SAND and large GRAVEL | 705.0 | | | |
| 12 | | | | | Brown fine-coarse SAND and small-large GRAVEL, angular to subangular, diverse mineralogical composition | 697.5 | | | |
| 18 | | | | | Tan SILT | 692.0 | | | |

| BORING NUMBER | GEOLOGIC LOG OF BORING | JENNINGS AND STAUROWSKY CONSULTING HYDROGEOLOGISTS |
|---|---|---|
| TB2 | | |

| PROJECT | COORDINATES | SHEET |
|---|---|---|
| Winnebago Reclamation - Pagel Landfill | N 2002433.00 E 798701.00 | 2 of 4 |

| DRILLER | RIG | METHOD |
|---|---|---|
| Layne Northwest | Ingersoll-Rand TH-60 | Dual Tube Reverse (Air) Circulation |

| GROUND SURFACE ELEV. | DATE STARTED | WELL/PIEZOMETER CROSS REF. | WATER LEVELS: (ft. below ground surface) |
|---|---|---|---|
| 710 ft. MSL | 2-21-95 | | While Drilling: @ Completion: |

| END OF BORING ELEV. | DATE COMPLETED | LOGGED BY | PROJECT NUMBER |
|---|---|---|---|
| 635 ft. MSL | 2-21-95 | B. Staurowsky | |

NOTES: *This boring was done to obtain grab samples of groundwater. No well was installed.*

| DEPTH (ft.) | SAMPLE NUMBER | BLOWS | REC. | Qu | SOIL DESCRIPTION | UNIT ELEV. | GEOLOGIC UNIT | GRAPHIC LOG | WELL/PIEZ DETAILS |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Tan SILT and fine SAND | | | | |
| 21 | | | | | | | | | |
| 22 | | | | | | | | | |
| 23 | | | | | | | | | |
| 24 | | | | | | | | | |
| 25 | | | | | Gray CLAY, little silt, appears devoid of sand and gravel | 685.0 | | | |
| 26 | | | | | | | | | |
| 27 | | | | | | | | | |
| 28 | | | | | | | | | |
| 29 | | | | | | | | | |
| 30 | | | | | | | | | |
| 31 | | | | | | | | | |
| 32 | | | | | | | | | |
| 33 | | | | | | | | | |
| 34 | | | | | | | | | |
| 35 | | | | | | | | | |
| 36 | | | | | | | | | |
| 37 | | | | | | | | | |
| 38 | | | | | | | | | |
| 39 | | | | | | | | | |
| 40 | | | | | | | | | |

| BORING NUMBER | GEOLOGIC LOG OF BORING | JENNINGS AND STAUROWSKY CONSULTING HYDROGEOLOGISTS |
|---|---|---|
| TB2 | | |

| PROJECT | COORDINATES | SHEET |
|---|---|---|
| Winnebago Reclamation - Pagel Landfill | N 2002433.00 E 798701.00 | 3 of 4 |

| DRILLER | RIG | METHOD |
|---|---|---|
| Layne Northwest | Ingersoll-Rand TH-60 | Dual Tube Reverse (Air) Circulation |

| GROUND SURFACE ELEV. | DATE STARTED | WELL/PIEZOMETER CROSS REF. | WATER LEVELS: (ft. below ground surface) |
|---|---|---|---|
| 710 ft. MSL | 2-21-95 | | While Drilling: @ Completion: |

| END OF BORING ELEV. | DATE COMPLETED | LOGGED BY | PROJECT NUMBER |
|---|---|---|---|
| 635 ft. MSL | 2-21-95 | B. Staurowsky | |

NOTES: *This boring was done to obtain grab samples of groundwater. No well was installed.*

| DEPTH (ft.) | SAMPLE NUMBER | BLOWS | REC. | Gu | SOIL DESCRIPTION | UNIT ELEV. | GEOLOGIC UNIT | GRAPHIC LOG | WELL/PIEZ DETAILS |
|---|---|---|---|---|---|---|---|---|---|
| 41 | | | | | Gray CLAY, little silt, appears devoid of sand and gravel | | | | |
| 42 | | | | | | | | | |
| 43 | | | | | | | | | |
| 44 | | | | | | | | | |
| 45 | | | | | Brown fine-coarse SAND and small-large GRAVEL, little silt, subangular to rounded, diverse mineralogy | 665.0 | | | |
| 46 | | | | | | | | | |
| 47 | | | | | (Water sample obtained at 45.0') | | | | |
| 48 | | | | | | | | | |
| 49 | | | | | | | | | |
| 50 | | | | | | | | | |
| 51 | | | | | | | | | |
| 52 | | | | | | | | | |
| 53 | | | | | between 53.0'-55.0', grades in and out of fine-medium sand | | | | |
| 54 | | | | | | | | | |
| 55 | | | | | below 55.0', contains rusty brownish tan silt | | | | |
| 56 | | | | | | | | | |
| 57 | | | | | | | | | |
| 58 | | | | | | | | | |
| 59 | | | | | | | | | |
| 60 | | | | | | | | | |

| BORING NUMBER | GEOLOGIC LOG OF BORING | JENNINGS AND STAUROWSKY CONSULTING HYDROGEOLOGISTS |
|---|---|---|
| TB2 | | |

| PROJECT | COORDINATES | SHEET |
|---|---|---|
| Winnebago Reclamation - Pagel Landfill | N 2002433.00 E 798701.00 | 4 of 4 |

| DRILLER | RIG | METHOD |
|---|---|---|
| Layne Northwest | Ingersoll-Rand TH-60 | Dual Tube Reverse (Air) Circulation |

| GROUND SURFACE ELEV. | DATE STARTED | WELL/PIEZOMETER CROSS REF. | WATER LEVELS: (ft. below ground surface) |
|---|---|---|---|
| 710 ft. MSL | 2-21-95 | | While Drilling: @ Completion: |

| END OF BORING ELEV. | DATE COMPLETED | LOGGED BY | PROJECT NUMBER |
|---|---|---|---|
| 635 ft. MSL | 2-21-95 | B. Staurowsky | |

NOTES: *This boring was done to obtain grab samples of groundwater. No well was installed.*

| DEPTH (ft.) | SAMPLE NUMBER | BLOWS | REC. | Qu | SOIL DESCRIPTION | UNIT ELEV. | GEOLOGIC UNIT | GRAPHIC LOG | WELL/PIEZ DETAILS |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Fine-coarse SAND and small GRAVEL, little medium-large gravel | | | | |
| 61 | | | | | | | | | |
| 62 | | | | | | | | | |
| 63 | | | | | | | | | |
| 64 | | | | | | | | | |
| 65 | | | | | | | | | |
| 66 | | | | | | | | | |
| 67 | | | | | | | | | |
| 68 | | | | | below 68.0', contains small-large gravel, sorted | | | | |
| 69 | | | | | | | | | |
| 70 | | | | | (Water sample obtained at approximately 70') | | | | |
| 71 | | | | | | | | | |
| 72 | | | | | Weathered BEDROCK (dolomite) | 638.0 | | | |
| 73 | | | | | | | | | |
| 74 | | | | | | | | | |
| 75 | | | | | End of boring = 75.0' | 635.0 | | | |
| 76 | | | | | Boring grouted upon completion | | | | |
| 77 | | | | | | | | | |
| 78 | | | | | | | | | |
| 79 | | | | | | | | | |
| 80 | | | | | | | | | |

| BORING NUMBER | GEOLOGIC LOG OF BORING | JENNINGS AND STAUROWSKY CONSULTING HYDROGEOLOGISTS |
|---|---|---|
| TB3 | | |

| PROJECT | COORDINATES | SHEET |
|---|---|---|
| Winnebago Reclamation - Pagel Landfill | N 2002122.00 E 798600.00 | 1 of 4 |

| DRILLER | RIG | METHOD |
|---|---|---|
| Layne Northwest | Ingersoll-Rand TH-60 | Dual Tube Reverse (Air) Circulation |

| GROUND SURFACE ELEV. | DATE STARTED | WELL/PIEZOMETER CROSS REF. | WATER LEVELS: (ft. below ground surface) |
|---|---|---|---|
| 710.2 ft. MSL | 2-21-95 | | While Drilling: @ Completion: |

| END OF BORING ELEV. | DATE COMPLETED | LOGGED BY | PROJECT NUMBER |
|---|---|---|---|
| 641.2 ft. MSL | 2-21-95 | | |

NOTES: *This boring was done to obtain grab samples of groundwater. No well was installed.*

| DEPTH (ft.) | SAMPLE NUMBER | BLOWS | REC. | Qu | SOIL DESCRIPTION | UNIT ELEV. | GEOLOGIC UNIT | GRAPHIC LOG | WELL/PIEZ DETAILS |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Black clayey organic TOPSOIL | | | | |
| 4 | | | | | Small-large GRAVEL, angular to subround (large gravel is as much as 1" in diameter) | 706.2 | | | |
| 15 | | | | | below 15.0', predominantly coarse sand and small gravel | | | | |

| BORING NUMBER | GEOLOGIC LOG OF BORING | JENNINGS AND STAUROWSKY CONSULTING HYDROGEOLOGISTS |
|---|---|---|
| TB3 | | |

| PROJECT | COORDINATES | SHEET |
|---|---|---|
| Winnebago Reclamation - Pagel Landfill | N 2002122.00 E 798600.00 | 2 of 4 |

| DRILLER | RIG | METHOD |
|---|---|---|
| Layne Northwest | Ingersoll-Rand TH-60 | Dual Tube Reverse (Air) Circulation |

| GROUND SURFACE ELEV. | DATE STARTED | WELL/PIEZOMETER CROSS REF. | WATER LEVELS: (ft. below ground surface) |
|---|---|---|---|
| 710.2 ft. MSL | 2-21-95 | | While Drilling: @ Completion: |

| END OF BORING ELEV. | DATE COMPLETED | LOGGED BY | PROJECT NUMBER |
|---|---|---|---|
| 641.2 ft. MSL | 2-21-95 | | |

NOTES: *This boring was done to obtain grab samples of groundwater. No well was installed.*

| DEPTH (ft.) | SAMPLE NUMBER | BLOWS | REC. | Qu | SOIL DESCRIPTION | UNIT ELEV. | GEOLOGIC UNIT | GRAPHIC LOG | WELL/PIEZ DETAILS |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Medium-large GRAVEL, trace-little fine-coarse sand and small gravel | | | | |
| 21 | | | | | | | | | |
| 22 | | | | | | | | | |
| 23 | | | | | | | | | |
| 24 | | | | | | | | | |
| 25 | | | | | | | | | |
| 26 | | | | | | | | | |
| 27 | | | | | | | | | |
| | | | | | Fine-coarse SAND and small GRAVEL, little medium-large gravel | 682.7 | | | |
| 28 | | | | | | | | | |
| 29 | | | | | | | | | |
| 30 | | | | | | | | | |
| 31 | | | | | | | | | |
| 32 | | | | | | | | | |
| 33 | | | | | | | | | |
| 34 | | | | | | | | | |
| 35 | | | | | | | | | |
| 36 | | | | | | | | | |
| 37 | | | | | | | | | |
| 38 | | | | | Fine-coarse SAND and small-large GRAVEL, poorly sorted | 672.2 | | | |
| 39 | | | | | | | | | |
| 40 | | | | | | | | | |

| BORING NUMBER | GEOLOGIC LOG OF BORING | JENNINGS AND STAUROWSKY CONSULTING HYDROGEOLOGISTS |
|---|---|---|
| TB3 | | |

| PROJECT | COORDINATES | SHEET |
|---|---|---|
| Winnebago Reclamation - Pagel Landfill | N 2002122.00 E 798600.00 | 3 of 4 |

| DRILLER | RIG | METHOD |
|---|---|---|
| Layne Northwest | Ingersoll-Rand TH-60 | Dual Tube Reverse (Air) Circulation |

| GROUND SURFACE ELEV. | DATE STARTED | WELL/PIEZOMETER CROSS REF. | WATER LEVELS: (ft. below ground surface) |
|---|---|---|---|
| 710.2 ft. MSL | 2-21-95 | | While Drilling: @ Completion: |

| END OF BORING ELEV. | DATE COMPLETED | LOGGED BY | PROJECT NUMBER |
|---|---|---|---|
| 641.2 ft. MSL | 2-21-95 | | |

NOTES: *This boring was done to obtain grab samples of groundwater. No well was installed.*

| DEPTH (ft.) | SAMPLE NUMBER | BLOWS | REC. | Qu | SOIL DESCRIPTION | UNIT ELEV. | GEOLOGIC UNIT | GRAPHIC LOG | WELL/PIEZ DETAILS |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Fine-coarse SAND and small-large GRAVEL, poorly sorted | | | | |
| 41 | | | | | | | | | |
| 42 | | | | | | | | | |
| 43 | | | | | | | | | |
| 44 | | | | | | | | | |
| 45 | | | | | | | | | |
| 46 | | | | | | | | | |
| 47 | | | | | | | | | |
| 48 | | | | | | | | | |
| 49 | | | | | | | | | |
| 50 | | | | | | | | | |
| 51 | | | | | | | | | |
| 52 | | | | | | | | | |
| 53 | | | | | | | | | |
| 54 | | | | | | | | | |
| 55 | | | | | Fine-coarse SAND and small GRAVEL, high percentage of dark minerals in both sand and gravel, *appears rounded to subrounded* | 655.2 | | | |
| 56 | | | | | | | | | |
| 57 | | | | | | | | | |
| 58 | | | | | | | | | |
| 59 | | | | | | | | | |
| 60 | | | | | | | | | |

| BORING NUMBER | GEOLOGIC LOG OF BORING | JENNINGS AND STAUROWSKY CONSULTING HYDROGEOLOGISTS |
|---|---|---|
| TB3 | | |

| PROJECT | COORDINATES | SHEET |
|---|---|---|
| Winnebago Reclamation - Pagel Landfill | N 2002122.00 E 798600.00 | 4 of 4 |

| DRILLER | RIG | METHOD |
|---|---|---|
| Layne Northwest | Ingersoll-Rand TH-60 | Dual Tube Reverse (Air) Circulation |

| GROUND SURFACE ELEV. | DATE STARTED | WELL/PIEZOMETER CROSS REF. | WATER LEVELS: (ft. below ground surface) |
|---|---|---|---|
| 710.2 ft. MSL | 2-21-95 | | While Drilling: @ Completion: |
| **END OF BORING ELEV.** | **DATE COMPLETED** | **LOGGED BY** | **PROJECT NUMBER** |
| 641.2 ft. MSL | 2-21-95 | | |

NOTES: *This boring was done to obtain grab samples of groundwater. No well was installed.*

| DEPTH (ft.) | SAMPLE NUMBER | BLOWS | REC. | Qu | SOIL DESCRIPTION | UNIT ELEV. | GEOLOGIC UNIT | GRAPHIC LOG | WELL/PIEZ DETAILS |
|---|---|---|---|---|---|---|---|---|---|
| 61 | | | | | Fine-coarse SAND and small GRAVEL, high percentage of dark minerals in both sand and gravel, appears rounded to subrounded | | | | |
| 62 | | | | | | | | | |
| 63 | | | | | | | | | |
| 64 | | | | | (Water sample obtained from approximately 65') | | | | |
| 65 | | | | | | | | | |
| 66 | | | | | | | | | |
| 67 | | | | | | | | | |
| 68 | | | | | | | | | |
| 69 | | | | | End of Boring = 69.0' | 641.2 | | | |
| 70 | | | | | Boring grouted upon completion. | | | | |
| 71 | | | | | | | | | |
| 72 | | | | | | | | | |
| 73 | | | | | | | | | |
| 74 | | | | | | | | | |
| 75 | | | | | | | | | |
| 76 | | | | | | | | | |
| 77 | | | | | | | | | |
| 78 | | | | | | | | | |
| 79 | | | | | | | | | |
| 80 | | | | | | | | | |

| BORING NUMBER | GEOLOGIC LOG OF BORING | JENNINGS AND STAUROWSKY CONSULTING HYDROGEOLOGISTS |
|---|---|---|
| TB4 | | |

| PROJECT | COORDINATES | SHEET |
|---|---|---|
| Winnebago Reclamation - Pagel Landfill | N 2001400.00 E 799500.00 | 1 of 2 |

| DRILLER | RIG | METHOD |
|---|---|---|
| Layne Northwest | Ingersoll-Rand TH-60 | Dual Tube Reverse (Air) Circulation |

| GROUND SURFACE ELEV. | DATE STARTED | WELL/PIEZOMETER CROSS REF. | WATER LEVELS: (ft. below ground surface) |
|---|---|---|---|
| 712.3 ft. MSL | 2-22-95 | | While Drilling: @ Completion: |

| END OF BORING ELEV. | DATE COMPLETED | LOGGED BY | PROJECT NUMBER |
|---|---|---|---|
| 672.3 ft. MSL | 2-22-95 | B. Staurowsky | |

NOTES: *This boring was done to obtain grab samples of groundwater. No well was installed.*

| DEPTH (ft.) | SAMPLE NUMBER | BLOWS | REC. | Qu | SOIL DESCRIPTION | UNIT ELEV. | GEOLOGIC UNIT | GRAPHIC LOG | WELL/PIEZ DETAILS |
|---|---|---|---|---|---|---|---|---|---|
| 1, 2, 3, 4, 5, 6, 7, 8, 9 | | | | | No return (ground too porous to get tight seal for reverse air circulation | | | | |
| 10 | | | | | Fine-coarse SAND and small-large GRAVEL, rounded to subrounded | 702.3 | | | |
| 11, 12, 13, 14, 15, 16, 17, 18 | | | | | (Water sample obtained from approximately 17') | | | | |
| 19 | | | | | Tan SILT and fine SAND | 693.3 | | | |
| 20 | | | | | | | | | |

| BORING NUMBER | GEOLOGIC LOG OF BORING | JENNINGS AND STAUROWSKY CONSULTING HYDROGEOLOGISTS |
|---|---|---|
| TB4 | | |

| PROJECT | COORDINATES | SHEET |
|---|---|---|
| Winnebago Reclamation - Pagel Landfill | N 2001400.00 E 799500.00 | 2 of 2 |

| DRILLER | RIG | METHOD |
|---|---|---|
| Layne Northwest | Ingersoll-Rand TH-60 | Dual Tube Reverse (Air) Circulation |

| GROUND SURFACE ELEV. | DATE STARTED | WELL/PIEZOMETER CROSS REF. | WATER LEVELS: (ft. below ground surface) |
|---|---|---|---|
| 712.3 ft. MSL | 2-22-95 | | While Drilling: @ Completion: |

| END OF BORING ELEV. | DATE COMPLETED | LOGGED BY | PROJECT NUMBER |
|---|---|---|---|
| 672.3 ft. MSL | 2-22-95 | B. Staurowsky | |

NOTES: *This boring was done to obtain grab samples of groundwater. No well was installed.*

| DEPTH (ft.) | SAMPLE NUMBER | BLOWS | REC. | Qu | SOIL DESCRIPTION | UNIT ELEV. | GEOLOGIC UNIT | GRAPHIC LOG | WELL/PIEZ DETAILS |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Tan SILT and fine SAND | | | | |
| 21 | | | | | | | | | |
| 22 | | | | | | | | | |
| 23 | | | | | | | | | |
| 24 | | | | | from 24.0'-25.0', fine-coarse sand and small gravel | | | | |
| 25 | | | | | Fine-coarse SAND and small-large GRAVEL | 687.3 | | | |
| 26 | | | | | | | | | |
| 27 | | | | | | | | | |
| 28 | | | | | | | | | |
| 29 | | | | | @ 29.0', 1.0' large gravel | | | | |
| 30 | | | | | | | | | |
| 31 | | | | | | | | | |
| 32 | | | | | | | | | |
| 33 | | | | | | | | | |
| 34 | | | | | | | | | |
| 35 | | | | | @ 35.0', hit boulder | | | | |
| 36 | | | | | Fine-coarse SAND, well sorted | 676.8 | | | |
| 37 | | | | | Fine-coarse SAND and small-large GRAVEL | 675.3 | | | |
| 38 | | | | | | | | | |
| 39 | | | | | (Water sample obtained from approximately 39') | | | | |
| 40 | | | | | Weathered BEDROCK | 672.8 | | | |

| BORING NUMBER | GEOLOGIC LOG OF BORING | JENNINGS AND STAUROWSKY CONSULTING HYDROGEOLOGISTS |
|---|---|---|
| TB5 | | |

| PROJECT | COORDINATES | SHEET |
|---|---|---|
| Winnebago Reclamation - Pagel Landfill | N 2002610.00 E 799900.00 | 1 of 4 |

| DRILLER | RIG | METHOD |
|---|---|---|
| Layne Northwest | Ingersoll-Rand TH-60 | Dual Tube Reverse (Air) Circulation |

| GROUND SURFACE ELEV. | DATE STARTED | WELL/PIEZOMETER CROSS REF. | WATER LEVELS: (ft. below ground surface) |
|---|---|---|---|
| 708 ft. MSL | 2-23-95 | | While Drilling: @ Completion: |

| END OF BORING ELEV. | DATE COMPLETED | LOGGED BY | PROJECT NUMBER |
|---|---|---|---|
| 633 ft. MSL | 2-23-95 | T. Hilbert | |

NOTES: *This boring was done to obtain grab samples of groundwater. No well was installed.*

| DEPTH (ft.) | SAMPLE NUMBER | BLOWS | REC. | Qu | SOIL DESCRIPTION | UNIT ELEV. | GEOLOGIC UNIT | GRAPHIC LOG | WELL/PIEZ DETAILS |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Black organic SILTS and CLAYS | | | | |
| 1 | | | | | | | | | |
| 2 | | | | | | | | | |
| 3 | | | | | | | | | |
| 4 | | | | | | | | | |
| 5 | | | | | | 703.0 | | | |
| | | | | | Sandy GRAVEL | | | | |
| 6 | | | | | | | | | |
| 7 | | | | | | | | | |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| 10 | | | | | | 698.0 | | | |
| | | | | | Fine sandy SILT | | | | |
| 11 | | | | | | | | | |
| 12 | | | | | | | | | |
| 13 | | | | | | 695.0 | | | |
| | | | | | GRAVEL | | | | |
| 14 | | | | | | | | | |
| 15 | | | | | | | | | |
| 16 | | | | | | 692.0 | | | |
| | | | | | SILT | | | | |
| 17 | | | | | | 691.0 | | | |
| | | | | | CLAY | | | | |
| 18 | | | | | | | | | |
| 19 | | | | | | 689.0 | | | |
| | | | | | GRAVEL | | | | |
| 20 | | | | | | | | | |

| BORING NUMBER | GEOLOGIC LOG OF BORING | JENNINGS AND STAUROWSKY CONSULTING HYDROGEOLOGISTS |
|---|---|---|
| TB5 | | |

| PROJECT | COORDINATES | SHEET |
|---|---|---|
| Winnebago Reclamation - Pagel Landfill | N 2002610.00 E 799900.00 | 2 of 4 |

| DRILLER | RIG | METHOD |
|---|---|---|
| Layne Northwest | Ingersoll-Rand TH-60 | Dual Tube Reverse (Air) Circulation |

| GROUND SURFACE ELEV. | DATE STARTED | WELL/PIEZOMETER CROSS REF. | WATER LEVELS: (ft. below ground surface) |
|---|---|---|---|
| 708 ft. MSL | 2-23-95 | | While Drilling: @ Completion: |

| END OF BORING ELEV. | DATE COMPLETED | LOGGED BY | PROJECT NUMBER |
|---|---|---|---|
| 633 ft. MSL | 2-23-95 | T. Hilbert | |

NOTES: *This boring was done to obtain grab samples of groundwater. No well was installed.*

| DEPTH (ft.) | SAMPLE NUMBER | BLOWS | REC. | Gu | SOIL DESCRIPTION | UNIT ELEV. | GEOLOGIC UNIT | GRAPHIC LOG | WELL/PIEZ DETAILS |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Fine sandy SILT | | | | |
| 21 | | | | | | | | | |
| 22 | | | | | | | | | |
| 23 | | | | | | | | | |
| 24 | | | | | | | | | |
| 25 | | | | | Gray CLAY | 683.0 | | | |
| 26 | | | | | | | | | |
| 27 | | | | | | | | | |
| 28 | | | | | | | | | |
| 29 | | | | | | | | | |
| 30 | | | | | | | | | |
| 31 | | | | | | | | | |
| 32 | | | | | | | | | |
| 33 | | | | | | | | | |
| 34 | | | | | | | | | |
| 35 | | | | | | | | | |
| 36 | | | | | | | | | |
| 37 | | | | | | | | | |
| 38 | | | | | | | | | |
| 39 | | | | | | | | | |
| 40 | | | | | | | | | |

| BORING NUMBER | GEOLOGIC LOG OF BORING | JENNINGS AND STAUROWSKY CONSULTING HYDROGEOLOGISTS |
|---|---|---|
| TB5 | | |

| PROJECT | COORDINATES | SHEET |
|---|---|---|
| Winnebago Reclamation - Pagel Landfill | N 2002610.00 E 799900.00 | 3 of 4 |

| DRILLER | RIG | METHOD |
|---|---|---|
| Layne Northwest | Ingersoll-Rand TH-60 | Dual Tube Reverse (Air) Circulation |

| GROUND SURFACE ELEV. | DATE STARTED | WELL/PIEZOMETER CROSS REF. | WATER LEVELS: (ft. below ground surface) |
|---|---|---|---|
| 708 ft. MSL | 2-23-95 | | While Drilling: @ Completion: |

| END OF BORING ELEV. | DATE COMPLETED | LOGGED BY | PROJECT NUMBER |
|---|---|---|---|
| 633 ft. MSL | 2-23-95 | T. Hilbert | |

NOTES: *This boring was done to obtain grab samples of groundwater. No well was installed.*

| DEPTH (ft.) | SAMPLE NUMBER | BLOWS | REC. | Qu | SOIL DESCRIPTION | UNIT ELEV. | GEOLOGIC UNIT | GRAPHIC LOG | WELL/PIEZ DETAILS |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Dark gray CLAY | | | | |
| 41 | | | | | | | | | |
| 42 | | | | | | | | | |
| 43 | | | | | | | | | |
| 44 | | | | | | | | | |
| 45 | | | | | | | | | |
| 46 | | | | | | 662.0 | | | |
| | | | | | GRAVEL | | | | |
| 47 | | | | | | | | | |
| 48 | | | | | | 660.0 | | | |
| | | | | | Coarse sandy GRAVEL | | | | |
| 49 | | | | | | | | | |
| 50 | | | | | | | | | |
| 51 | | | | | | | | | |
| 52 | | | | | | | | | |
| 53 | | | | | | | | | |
| 54 | | | | | | | | | |
| 55 | | | | | | | | | |
| 56 | | | | | | | | | |
| 57 | | | | | | | | | |
| 58 | | | | | | | | | |
| 59 | | | | | | | | | |
| 60 | | | | | | | | | |

| BORING NUMBER | GEOLOGIC LOG OF BORING | JENNINGS AND STAUROWSKY CONSULTING HYDROGEOLOGISTS |
|---|---|---|
| TB5 | | |

| PROJECT | COORDINATES | SHEET |
|---|---|---|
| Winnebago Reclamation -- Pagel Landfill | N 2002610.00 E 799900.00 | 4 of 4 |

| DRILLER | RIG | METHOD |
|---|---|---|
| Layne Northwest | Ingersoll-Rand TH-60 | Dual Tube Reverse (Air) Circulation |

| GROUND SURFACE ELEV. | DATE STARTED | WELL/PIEZOMETER CROSS REF. | WATER LEVELS: (ft. below ground surface) |
|---|---|---|---|
| 708 ft. MSL | 2-23-95 | | While Drilling: @ Completion: |

| END OF BORING ELEV. | DATE COMPLETED | LOGGED BY | PROJECT NUMBER |
|---|---|---|---|
| 633 ft. MSL | 2-23-95 | T. Hilbert | |

NOTES: *This boring was done to obtain grab samples of groundwater. No well was installed.*

| DEPTH (ft.) | SAMPLE NUMBER | BLOWS | REC. | Qu | SOIL DESCRIPTION | UNIT ELEV. | GEOLOGIC UNIT | GRAPHIC LOG | WELL/PIEZ DETAILS |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Coarse sandy GRAVEL | | | | |
| 61 | | | | | | | | | |
| 62 | | | | | | | | | |
| 63 | | | | | | | | | |
| 64 | | | | | | | | | |
| 65 | | | | | @ 65.0', 1.0' gravelly sand | | | | |
| 66 | | | | | | | | | |
| 67 | | | | | (Water sample obtained from approximately 67') | | | | |
| 68 | | | | | | 640.0 | | | |
| | | | | | CLAY and GRAVEL | | | | |
| 69 | | | | | | | | | |
| 70 | | | | | below 70.0', clay turns orange | | | | |
| 71 | | | | | | | | | |
| 72 | | | | | | | | | |
| 73 | | | | | | | | | |
| 74 | | | | | | | | | |
| 75 | | | | | | 633.0 | | | |
| | | | | | Orange CLAY and fine SAND, overlying weathered BEDROCK | 632.3 | | | |
| 76 | | | | | End of boring = 75.0' | | | | |
| | | | | | Boring grouted upon completion | | | | |
| 77 | | | | | | | | | |
| 78 | | | | | | | | | |
| 79 | | | | | | | | | |
| 80 | | | | | | | | | |

| BORING NUMBER | GEOLOGIC LOG OF BORING | JENNINGS AND STAUROWSKY CONSULTING HYDROGEOLOGISTS |
|---|---|---|
| G33S | | |

| PROJECT | COORDINATES | SHEET |
|---|---|---|
| Winnebago Reclamation - Pagel Landfill | N 2001702.28 E 798774.36 | 1 of 1 |

| DRILLER | RIG | METHOD |
|---|---|---|
| Layne Northwest Company | Track-mounted CME 850 | Rotary |

| GROUND SURFACE ELEV. | DATE STARTED | WELL/PIEZOMETER CROSS REF. | WATER LEVELS: (ft. below ground surface) |
|---|---|---|---|
| 711.1 ft. MSL | 3-1-95 | G33S | While Drilling: @ Completion: |

| END OF BORING ELEV. | DATE COMPLETED | LOGGED BY | PROJECT NUMBER |
|---|---|---|---|
| 694.1 ft. MSL | 3-1-95 | J. O'Donnell | |

NOTES:

| DEPTH (ft.) | SAMPLE NUMBER | BLOWS | REC. | Qu | SOIL DESCRIPTION | UNIT ELEV. | GEOLOGIC UNIT | GRAPHIC LOG | WELL/PIEZ DETAILS |
|---|---|---|---|---|---|---|---|---|---|
| 1, 2, 3, 4, 5, 6 | | | | | Blind drilled to 7.0'. See G133D log for description of 0.0'-7.0'. | | | | Cement Cap 709.1; Holeplug Pellet Seal 706.1; Stainless Steel Riser 704.1 |
| 7 | | | | | | 704.1 | | | |
| 8 | SS-1 | 4 6 6 4 | 0.67' | | Gray fine-coarse SAND and small GRAVEL, poorly sorted, loose | | | | Stainless Steel Screen; Silica Sand Pack |
| 9 | | | | | below 9.0', trace clay inclusions and silt | | | | |
| 10 | SS-2 | 3 3 9 6 | 0.83' | | | | | | |
| 11 | | | | | | 700.1 | | | |
| 12 | SS-3 | 8 8 11 7 | 0.5' | | Gray fine-coarse SAND and small-medium GRAVEL, trace silt and cobbles, oxidized in spots, medium dense to very dense | | | | |
| 13 | | | | | @ 13.0', hit cobble | | | | |
| 14 | SS-4 | 8 25 22 13 | 0.17' | | | | | | |
| 15 | | | | | | 696.1 | | | |
| 16 | SS-5 | 8 18 9 8 | 1.1' | | Brown fine SAND grading to fine-medium, trace small gravel, medium dense | | | | |
| 17 | | | | | | 694.1 | | | 694.1 |
| 18, 19, 20 | | | | | End of Boring = 17.0'<br>Monitor well set upon completion. | | | | |

| BORING NUMBER | GEOLOGIC LOG OF BORING | JENNINGS AND STAUROWSKY CONSULTING HYDROGEOLOGISTS |
|---|---|---|
| G33D | | |

| PROJECT | COORDINATES | SHEET |
|---|---|---|
| Winnebago Reclamation - Pagel Landfill | N 2001658.17 E 798763.33 | 1 of 3 |

| DRILLER | RIG | METHOD |
|---|---|---|
| Layne Northwest Company | Track-mounted CME 850 | Rotary |

| GROUND SURFACE ELEV. | DATE STARTED | WELL/PIEZOMETER CROSS REF. | WATER LEVELS: (ft. below ground surface) |
|---|---|---|---|
| 711.0 ft. MSL | 2-27-95 | G33D | While Drilling: @ Completion: |

| END OF BORING ELEV. | DATE COMPLETED | LOGGED BY | PROJECT NUMBER |
|---|---|---|---|
| 663.0 ft. MSL | 2-28-95 | R. Jennings | |

NOTES:

| DEPTH (ft.) | SAMPLE NUMBER | BLOWS | REC. | Gu | SOIL DESCRIPTION | UNIT ELEV. | GEOLOGIC UNIT | GRAPHIC LOG | WELL/PIEZ DETAILS |
|---|---|---|---|---|---|---|---|---|---|
| 1 | SS-1 | 1 2 2 2 | 0.8' | | Black silty fine SAND, organics, grades to: Brown silty fine-medium SAND, little coarse sand and small-large gravel | 710.5 | | | Cement Cap |
| 2 | | | | | | 709.0 | | | 709.0 |
| 3 | SS-2 | 5 6 7 7 | 0.9' | | Light brown fine SAND, trace large gravel and medium-coarse sand; Dark brown clayey fine SAND | 708.6 | | | |
| 4 | | | | | | 707.0 | | | |
| 5 | SS-3 | 2 2 2 2 | 1.25' | | Brown fine-medium SAND, trace coarse sand, very loose to loose | | | | |
| 6 | | | | | | | | | |
| 7 | SS-4 | 1 3 8 4 | 1.16' | | below 6.8', contains some coarse sand and small-medium gravel | | | | |
| 8 | | | | | | 703.0 | | | |
| 9 | SS-5 | 3 6 4 2 | 1.0' | | Brown fine-coarse SAND and small-large GRAVEL, poorly sorted-sorted, loose to medium dense | | | | Stainless Steel Riser; Cement Bentonite Grout |
| 10 | | | | | | | | | |
| 11 | SS-6 | 3 3 3 2 | 0.67' | | | | | | |
| 12 | | | | | below 12.0', no large gravel | | | | |
| 13 | SS-7 | 5 13 11 8 | 0.42' | | | | | | |
| 14 | | | | | below 14.0', gravel concentrated in horizons | | | | |
| 15 | SS-8 | 12 9 7 4 | 1.5' | | | | | | |
| 16 | | | | | @ 16.0'-16.3', some coarse sand and small gravel | | | | |
| 17 | SS-9 | 13 14 12 10 | 1.25' | | | | | | |
| 18 | | | | | | 693.0 | | | |
| 19 | SS-10 | 18 13 28 48 | 2.0' | | Brown fine-medium SAND, trace coarse sand and small-medium gravel | | | | |
| 20 | | | | | | | | | |

| BORING NUMBER G33D | GEOLOGIC LOG OF BORING | JENNINGS AND STAUROWSKY CONSULTING HYDROGEOLOGISTS |
|---|---|---|

| PROJECT | COORDINATES | SHEET |
|---|---|---|
| Winnebago Reclamation - Pagel Landfill | N 2001658.17 E 798763.33 | 2 of 3 |

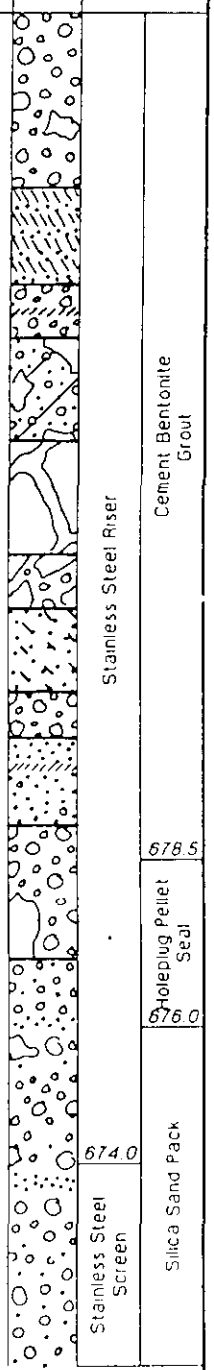
| DRILLER | RIG | METHOD |
|---|---|---|
| Layne Northwest Company | Track-mounted CME 850 | Rotary |

| GROUND SURFACE ELEV. | DATE STARTED | WELL/PIEZOMETER CROSS REF. | WATER LEVELS: (ft. below ground surface) |
|---|---|---|---|
| 711.0 ft. MSL | 2-27-95 | G33D | While Drilling: @ Completion: |

| END OF BORING ELEV. | DATE COMPLETED | LOGGED BY | PROJECT NUMBER |
|---|---|---|---|
| 663.0 ft. MSL | 2-28-95 | R. Jennings | |

NOTES:

| DEPTH (ft.) | SAMPLE NUMBER | BLOWS | REC. | Qu | SOIL DESCRIPTION | UNIT ELEV. | GEOLOGIC UNIT | GRAPHIC LOG | WELL/PIEZ DETAILS |
|---|---|---|---|---|---|---|---|---|---|
| 21–22 | SS-11 | 6 6 8 9 | 1.1' | | Brown fine-medium SAND, trace coarse sand and small-medium gravel, loose | | | | |
| 23–24 | SS-12 | 6 6 34 24 | 1.25' | | Brown CLAY laminated with silt partings<br>@ 22.8', 3" brown silt with clay partings with trace oxidation along laminae | 688.4 | | | |
| 25–26 | SS-13 | 18 10 24 38 | 1.25' | | Brown fine-medium SAND, trace coarse sand and small gravel<br>@ 24.6', 3" fine sand with silt and clay seams<br>Silty CLAY, fine SAND, and small-large GRAVEL | 687.0<br>686.2 | | | |
| 27–28 | SS-14 | 13 42 31 25 | 1.0' | | Pale orange buff COBBLE, trace red oxidation | 684.7 | | | |
| 29–30 | SS-15 | 24 53 42 29 | 1.1' | | Oxidized fine-coarse SAND and small-large GRAVEL, dense, trace small cobble, poorly sorted<br>@ 28.3', sand and gravel becomes silty<br>Light brown to buff clayey SILT | 683.0<br>682.2 | | | |
| 31–32 | SS-16 | 46 22 31 32 | 2.0' | | Brown fine-medium SAND, occasional large gravel<br>Brown SILT, trace clay seams, trace fine sand, laminated | 681.0<br>680.3 | | | |
| 33–34 | SS-17 | 19 87 55 for 2" | 0.75' | | Brown fine-medium SAND, trace cobble | 679.0 | | | |
| 35–36 | SS-18 | 11 11 24 24 | 1.25' | | Brown fine SAND, occasional silt, trace medium-coarse sand and gravel, thinly bedded, sorted, dense to very dense<br>@ 35.4', 3" silt with trace clay and fine sand | 677.0 | | | |
| 37–38 | SS-19 | 19 68 58 63 | 1.8' | | below 36.0', fine-medium sand, trace coarse sand and small-medium gravel<br>@ 37.5', 4" fine sandy SILT<br>below 38.0', sand contains some silt | | | | |
| 39–40 | SS-20 | 50 50 for 3" | 0.3' | | | | | | |



| BORING NUMBER | GEOLOGIC LOG OF BORING | JENNINGS AND STAUROWSKY CONSULTING HYDROGEOLOGISTS |
|---|---|---|
| G33D | | |

| PROJECT | COORDINATES | SHEET |
|---|---|---|
| Winnebago Reclamation - Pagel Landfill | N 2001658.17 E 798763.33 | 3 of 3 |

| DRILLER | RIG | METHOD |
|---|---|---|
| Layne Northwest Company | Track-mounted CME 850 | Rotary |

| GROUND SURFACE ELEV. | DATE STARTED | WELL/PIEZOMETER CROSS REF. | WATER LEVELS: (ft. below ground surface) |
|---|---|---|---|
| 711.0 ft. MSL | 2-27-95 | G33D | While Drilling: @ Completion: |

| END OF BORING ELEV. | DATE COMPLETED | LOGGED BY | PROJECT NUMBER |
|---|---|---|---|
| 663.0 ft. MSL | 2-28-95 | R. Jennings | |

NOTES:

| DEPTH (ft.) | SAMPLE NUMBER | BLOWS | REC. | Qu | SOIL DESCRIPTION | UNIT ELEV. | GEOLOGIC UNIT | GRAPHIC LOG | WELL/PIEZ DETAILS |
|---|---|---|---|---|---|---|---|---|---|
| 41 | SS-21 | 7 11 30 37 | 1.1' | | Brown fine-coarse SAND and large GRAVEL, little to occasional small- medium gravel, dense, poorly sorted, dense to very dense | | | | Stainless Steel Screen; Silica Sand Pack |
| 42 | | | | | | | | | |
| 43 | SS-22 | 16 55 40 for 1" | 0.67' | | | | | | |
| 44 | | | | | below 44.0', cobbles are occasional | | | | |
| 45 | SS-23 | 25 50 28 for 3" | 0.75' | | | | | | |
| 46 | | | | | | | | | |
| 47 | SS-24 | 26 100 for 6" | 0.67' | | | | | | 664.0 |
| 48 | | | | | End of Boring = 48.0' | 663.0 | | | 663.0 |
| 49 | | | | | Monitor well set upon completion. | | | | |
| 50 | | | | | | | | | |
| 51 | | | | | | | | | |
| 52 | | | | | | | | | |
| 53 | | | | | | | | | |
| 54 | | | | | | | | | |
| 55 | | | | | | | | | |
| 56 | | | | | | | | | |
| 57 | | | | | | | | | |
| 58 | | | | | | | | | |
| 59 | | | | | | | | | |
| 60 | | | | | | | | | |

| BORING NUMBER | GEOLOGIC LOG OF BORING | JENNINGS AND STAUROWSKY CONSULTING HYDROGEOLOGISTS |
|---|---|---|
| G34D | | |

| PROJECT | COORDINATES | SHEET |
|---|---|---|
| Winnebago Reclamation – Pagel Landfill | N 2002432.65 E 798707.15 | 1 of 4 |

| DRILLER | RIG | METHOD |
|---|---|---|
| Layne Northwest Company | Track-mounted CME 850 | Rotary |

| GROUND SURFACE ELEV. | DATE STARTED | WELL/PIEZOMETER CROSS REF. | WATER LEVELS: (ft. below ground surface) |
|---|---|---|---|
| 709.9 ft. MSL | 3-2-95 | G34D | While Drilling: @ Completion: |

| END OF BORING ELEV. | DATE COMPLETED | LOGGED BY | PROJECT NUMBER |
|---|---|---|---|
| 647.9 ft. MSL | 3-3-95 | J. O'Donnell | |

NOTES:

| DEPTH (ft.) | SAMPLE NUMBER | BLOWS | REC. | Qu | SOIL DESCRIPTION | UNIT ELEV. | GEOLOGIC UNIT | GRAPHIC LOG | WELL/PIEZ DETAILS |
|---|---|---|---|---|---|---|---|---|---|
| 1 | SS-1 | 3 1 1 2 | 0.6' | | Black sandy CLAY, organic | | | | Cement Cap |
| 2 | | | | | | 707.9 | | | 707.9 |
| 3 | SS-2 | 5 4 3 1 | 0.2' | | Black clayey SAND, loose to very loose | | | | |
| 4 | | | | | below 4.0', becomes fine-coarse sand with some small gravel, poorly sorted, wet | | | | |
| 5 | SS-3 | 2 1 1 6 | 0.7' | | | | | | |
| 6 | | | | | below 6.0', sand is predominantly fine with only trace medium-coarse, trace gravel and is clayey | | | | |
| 7 | SS-4 | 1 6 1 3 | 0.7' | | | | | | |
| 8 | | | | | below 8.0', changes to brown fine-coarse sand and small gravel | | | | |
| 9 | SS-5 | 1 4 4 6 | 1.2' | | | | | | Stainless Steel Riser |
| 10 | | | | | | 699.9 | | | |
| 11 | SS-6 | 3 3 5 5 | 2.0' | | Brown very fine sandy SILT, oxidized, loose | | | | Bentonite Grout |
| 12 | | | | | Fine-coarse SAND and small-large GRAVEL, poorly sorted, medium dense | 698.4 | | | |
| 13 | SS-7 | 4 6 9 8 | 1.0' | | below 12.0', sand and gravel becomes oxidized and contains little silt | | | | |
| 14 | | | | | | 695.9 | | | |
| 15 | SS-8 | 4 6 9 10 | 0.1' | | Brown fine SAND (NOTE: drove rock resulting in low recovery) | | | | |
| 16 | | | | | | 693.9 | | | |
| 17 | SS-9 | 5 8 8 9 | 1.3' | | Brown fine-coarse SAND and small-medium GRAVEL, little large gravel, medium dense | | | | |
| 18 | | | | | below 18.0', silty and increase in large gravel content | | | | |
| 19 | SS-10 | 7 8 10 11 | 0.9' | | | | | | |
| 20 | | | | | | | | | |

| BORING NUMBER | GEOLOGIC LOG OF BORING | JENNINGS AND STAUROWSKY CONSULTING HYDROGEOLOGISTS |
|---|---|---|
| G34D | | |

| PROJECT | COORDINATES | SHEET |
|---|---|---|
| Winnebago Reclamation – Pagel Landfill | N 2002432.65 E 798707.15 | 2 of 4 |

| DRILLER | RIG | METHOD |
|---|---|---|
| Layne Northwest Company | Track-mounted CME 850 | Rotary |

| GROUND SURFACE ELEV. | DATE STARTED | WELL/PIEZOMETER CROSS REF. | WATER LEVELS: (ft. below ground surface) |
|---|---|---|---|
| 709.9 ft. MSL | 3-2-95 | G34D | While Drilling: @ Completion: |

| END OF BORING ELEV. | DATE COMPLETED | LOGGED BY | PROJECT NUMBER |
|---|---|---|---|
| 647.9 ft. MSL | 3-3-95 | J. O'Donnell | |

NOTES:

| DEPTH (ft.) | SAMPLE NUMBER | BLOWS | REC. | Qu | SOIL DESCRIPTION | UNIT ELEV. | GEOLOGIC UNIT | GRAPHIC LOG | WELL/PIEZ DETAILS |
|---|---|---|---|---|---|---|---|---|---|
| 21 | SS-11 | 17 15 16 17 | 1.0' | | Brown very fine SAND, dense | | | | |
| 22 | | | | | | 687.9 | | | |
| 23 | SS-12 | 15 19 17 19 | 1.7' | | Brown SILT, little-trace clay, very thinly laminated, dense | | | | |
| 24 | | | | | | 685.9 | | | |
| 25 | SS-13 | 3 6 10 7 | 1.3' | | Brown silty very fine SAND, signs of oxidation, thinly laminated, medium dense | | | | |
| 26 | | | | | | 683.9 | | | |
| 27 | SS-14 | 8 12 4 6 | 1.7' | 0.75 | Gray very silty CLAY, soft | | | | |
| 28 | | | | | below 28.0', clay becomes laminated | | | | |
| 29 | SS-15 | 4 2 4 5 | 1.5' | | @ 29.0', 1.0' gray silt with trace clay | | | | |
| 30 | | | | | | 679.9 | | | |
| 31 | SS-16 | 3 4 7 7 | 2.0' | 1.25 | Gray silty to very silty CLAY, laminated, stiff | | | | |
| 32 | | | | | | 677.9 | | | |
| 33 | SS-17 | 5 5 6 6 | 2.0' | 1.0 | Brownish gray clayey SILT thinly interbedded with silty CLAY, stiff to soft, very moist | | | | |
| 34 | | | | | below 34.0', becomes more very silty clay with trace silt partings, laminated | | | | |
| 35 | SS-18 | 4 5 10 13 | 1.8' | 0.5 | | | | | |
| 36 | | | | | | | | | |
| 37 | SS-19 | 8 9 8 7 | 2.0' | 1.25 | | | | | |
| 38 | | | | | | | | | |
| 39 | SS-20 | 4 6 4 6 | 2.0' | 0.75 | | | | | |
| 40 | | | | | | | | | |

| BORING NUMBER G34D | GEOLOGIC LOG OF BORING | JENNINGS AND STAUROWSKY CONSULTING HYDROGEOLOGISTS |
|---|---|---|

| PROJECT | COORDINATES | SHEET |
|---|---|---|
| Winnebago Reclamation - Pagel Landfill | N 2002432.65 E 798707.15 | 3 of 4 |

| DRILLER | RIG | METHOD |
|---|---|---|
| Layne Northwest Company | Track-mounted CME 850 | Rotary |

| GROUND SURFACE ELEV. | DATE STARTED | WELL/PIEZOMETER CROSS REF. | WATER LEVELS: (ft. below ground surface) |
|---|---|---|---|
| 709.9 ft. MSL | 3-2-95 | G34D | While Drilling: @ Completion: |

| END OF BORING ELEV. | DATE COMPLETED | LOGGED BY | PROJECT NUMBER |
|---|---|---|---|
| 647.9 ft. MSL | 3-3-95 | J. O'Donnell | |

NOTES:

| DEPTH (ft.) | SAMPLE NUMBER | BLOWS | REC. | Qu | SOIL DESCRIPTION | UNIT ELEV. | GEOLOGIC UNIT | GRAPHIC LOG | WELL/PIEZ DETAILS |
|---|---|---|---|---|---|---|---|---|---|
| 41 | SS-21 | 5 6 6 7 | 2.0' | | Gray very silty CLAY, laminated, some silt partings, silt is wet and clay is moist, medium stiff to stiff | | | | Bentonite Grout; Stainless Steel Riser |
| 42 | | | | | | | | | |
| 43 | SS-22 | 4 5 4 6 | 2.0' | 1.4 | | | | | |
| 44 | | | | | below 44.0', includes trace oxidized fine sand partings | | | | |
| 45 | SS-23 | 4 7 11 19 | 2.0' | 0.75 | | | | | |
| 46 | | | | | | | | | |
| 47 | SS-24 | 7 10 11 17 | No Rec. | | | | | | 662.9 |
| 48 | | | | | | 661.9 | | | |
| 49 | SS-25 | 5 7 19 30 | 1.3' | | Brown small-medium GRAVEL, trace large gravel, fining downward to fine SAND, well-graded, medium dense to very dense | | | | 660.9 |
| 50 | | | | | | | | | |
| 51 | SS-26 | 33 50 for 5" | No Rec. | | | | | | 658.6 |
| 52 | | | | | | 657.9 | | | Stainless Steel Screen; Sand Pack |
| 53 | SS-27 | 18 24 36 28 | 1.2' | | Light brown coarse SAND and small GRAVEL, some medium sand and medium gravel | | | | |
| 54 | | | | | below 54.0', trace cobble, little fine sand and silt | | | | |
| 55 | SS-28 | 15 21 28 23 | 1.3' | | | | | | |
| 56 | | | | | | | | | |
| 57 | SS-29 | 10 29 54 45 | 1.3' | | | | | | |
| 58 | | | | | below 58.0', some medium sand and only trace small gravel | | | | |
| 59 | SS-30 | 39 57 for 4" | 0.5' | | | | | | |
| 60 | | | | | | | | | |

| BORING NUMBER | GEOLOGIC LOG OF BORING | JENNINGS AND STAUROWSKY CONSULTING HYDROGEOLOGISTS |
|---|---|---|
| G34D | | |

| PROJECT | COORDINATES | SHEET |
|---|---|---|
| Winnebago Reclamation - Pagel Landfill | N 2002432.65 E 798707.15 | 4 of 4 |

| DRILLER | RIG | METHOD |
|---|---|---|
| Layne Northwest Company | Track-mounted CME 850 | Rotary |

| GROUND SURFACE ELEV. | DATE STARTED | WELL/PIEZOMETER CROSS REF. | WATER LEVELS: (ft. below ground surface) |
|---|---|---|---|
| 709.9 ft. MSL | 3-2-95 | G34D | While Drilling: @ Completion: |

| END OF BORING ELEV. | DATE COMPLETED | LOGGED BY | PROJECT NUMBER |
|---|---|---|---|
| 647.9 ft. MSL | 3-3-95 | J. O'Donnell | |

NOTES:

| DEPTH (ft.) | SAMPLE NUMBER | BLOWS | REC. | Qu | SOIL DESCRIPTION | UNIT ELEV. | GEOLOGIC UNIT | GRAPHIC LOG | WELL/PIEZ DETAILS |
|---|---|---|---|---|---|---|---|---|---|
| 61 | SS-32 | 44 76 for 6" | 1.0' | | Light brown fine SAND, some medium sand, trace silt, coarse sand, and small gravel, very dense | | | | 648.6 Sand Pack |
| 62 | | | | | End of Boring = 62.0'<br>Monitor well set upon completion. | 647.9 | | | |
| 63 | | | | | | | | | |
| 64 | | | | | | | | | |
| 65 | | | | | | | | | |
| 66 | | | | | | | | | |
| 67 | | | | | | | | | |
| 68 | | | | | | | | | |
| 69 | | | | | | | | | |
| 70 | | | | | | | | | |
| 71 | | | | | | | | | |
| 72 | | | | | | | | | |
| 73 | | | | | | | | | |
| 74 | | | | | | | | | |
| 75 | | | | | | | | | |
| 76 | | | | | | | | | |
| 77 | | | | | | | | | |
| 78 | | | | | | | | | |
| 79 | | | | | | | | | |
| 80 | | | | | | | | | |

| BORING NUMBER | GEOLOGIC LOG OF BORING | JENNINGS AND STAUROWSKY CONSULTING HYDROGEOLOGISTS |
|---|---|---|
| G34S | | |

| PROJECT | COORDINATES | SHEET |
|---|---|---|
| Winnebago Reclamation - Pagel Landfill | N 2002425.49 E 798714.01 | 1 of 1 |

| DRILLER | RIG | METHOD |
|---|---|---|
| Layne Northwest Company | Track-mounted CME 850 | Rotary |

| GROUND SURFACE ELEV. | DATE STARTED | WELL/PIEZOMETER CROSS REF. | WATER LEVELS: (ft. below ground surface) |
|---|---|---|---|
| 709.9 ft. MSL | 3-6-95 | G34S | While Drilling: @ Completion: |

| END OF BORING ELEV. | DATE COMPLETED | LOGGED BY | PROJECT NUMBER |
|---|---|---|---|
| 692.9 ft. MSL | 3-6-95 | J. O'Donnell | |

NOTES:

| DEPTH (ft.) | SAMPLE NUMBER | BLOWS | REC. | Qu | SOIL DESCRIPTION | UNIT ELEV. | GEOLOGIC UNIT | GRAPHIC LOG | WELL/PIEZ DETAILS |
|---|---|---|---|---|---|---|---|---|---|
| 1, 2, 3, 4, 5, 6 | | | | | Blind drilled to 7.0'. See G134D log for description of 0.0'-7.0'. | | | | Cement Cap 707.9; Bentonite Pellet Seal 704.9; Stainless Steel Riser |
| 7 | | | | | | 702.9 | | | 702.9 |
| 8 | SS-1 | 3 3 2 3 | 0.5' | | Brown silty fine-coarse SAND and small-medium GRAVEL, some cobbles, oxidized, loose | | | | Silica Sand Pack; Stainless Steel Screen |
| 9, 10 | SS-2 | 1 5 3 3 | 0.25' | | | | | | |
| 11 | | | | | | 698.9 | | | |
| 12 | SS-3 | 4 8 7 8 | 0.7' | | Brown fine SAND, little-trace medium-coarse sand, oxidized in spots, medium dense | | | | |
| 13 | | | | | | 696.4 | | | |
| 14 | SS-4 | 4 5 7 8 | 0.85' | | Brown fine-coarse SAND and small-medium GRAVEL, poorly sorted | | | | |
| 15 | | | | | | 694.9 | | | |
| 16 | SS-5 | 4 5 6 10 | 0.5' | | Brown silty fine SAND, well-sorted, medium dense | | | | |
| 17 | | | | | | 692.9 | | | 692.6 |
| 18, 19, 20 | | | | | End of Boring = 17.0'<br>Monitor well set upon completion. | | | | 692.6 |

| BORING NUMBER G135D | GEOLOGIC LOG OF BORING | JENNINGS AND STAUROWSKY CONSULTING HYDROGEOLOGISTS |
|---|---|---|

| PROJECT | COORDINATES | SHEET |
|---|---|---|
| Winnebago Reclamation - Pagel Landfill | N 2002037.10 E 799089.33 | 3 of 3 |

| DRILLER | RIG | METHOD |
|---|---|---|
| Layne Northwest Company | Track-mounted CME 850 | Rotary |

| GROUND SURFACE ELEV. | DATE STARTED | WELL/PIEZOMETER CROSS REF. | WATER LEVELS: (ft. below ground surface) |
|---|---|---|---|
| 711.3 ft. MSL | 3-7-95 | G135D | While Drilling: @ Completion: |

| END OF BORING ELEV. | DATE COMPLETED | LOGGED BY | PROJECT NUMBER |
|---|---|---|---|
| 663.3 ft. MSL | 3-7-95 | J. O'Donnell | |

NOTES:

| DEPTH (ft.) | SAMPLE NUMBER | BLOWS | REC. | Qu | SOIL DESCRIPTION | UNIT ELEV. | GEOLOGIC UNIT | GRAPHIC LOG | WELL/PIEZ DETAILS |
|---|---|---|---|---|---|---|---|---|---|
| 41 | SS-21 | 7 14 20 11 | 0.7' | | Brown fine-coarse SAND, trace small gravel, trace silt, medium dense to dense | | | | Stainless Steel Screen; Silica Sand Pack |
| 42 | | | | | | | | | |
| 43 | SS-22 | 8 17 10 9 | 0.9' | | | | | | |
| 44 | | | | | | | | | |
| 45 | SS-23 | 4 10 14 12 | 1.5' | | | | | | |
| 46 | | | | | | | | | |
| 47 | SS-24 | 8 16 19 10 | 1.5' | | Brown fine-medium SAND, trace coarse sand, dense | 664.8 | | | 664.3; 664.0 |
| 48 | | | | | End of Boring = 48.0'<br>Monitor well set upon completion. | 663.3 | | | |
| 49 | | | | | | | | | |
| 50 | | | | | | | | | |
| 51 | | | | | | | | | |
| 52 | | | | | | | | | |
| 53 | | | | | | | | | |
| 54 | | | | | | | | | |
| 55 | | | | | | | | | |
| 56 | | | | | | | | | |
| 57 | | | | | | | | | |
| 58 | | | | | | | | | |
| 59 | | | | | | | | | |
| 60 | | | | | | | | | |

| BORING NUMBER | GEOLOGIC LOG OF BORING | JENNINGS AND STAUROWSKY CONSULTING HYDROGEOLOGISTS |
|---|---|---|
| G135D | | |

| PROJECT | COORDINATES | SHEET |
|---|---|---|
| Winnebago Reclamation - Pagel Landfill | N 2002037.10 E 799089.33 | 1 of 3 |

| DRILLER | RIG | METHOD |
|---|---|---|
| Layne Northwest Company | Track-mounted CME 850 | Rotary |

| GROUND SURFACE ELEV. | DATE STARTED | WELL/PIEZOMETER CROSS REF. | WATER LEVELS: (ft. below ground surface) |
|---|---|---|---|
| 711.3 ft. MSL | 3-7-95 | G135D | While Drilling: @ Completion: |

| END OF BORING ELEV. | DATE COMPLETED | LOGGED BY | PROJECT NUMBER |
|---|---|---|---|
| 663.3 ft. MSL | 3-7-95 | J. O'Donnell | |

NOTES:

| DEPTH (ft.) | SAMPLE NUMBER | BLOWS | REC. | Qu | SOIL DESCRIPTION | UNIT ELEV. | GEOLOGIC UNIT | GRAPHIC LOG | WELL/PIEZ DETAILS |
|---|---|---|---|---|---|---|---|---|---|
| 1 | SS-1 | 1 2 2 2 | 0.3' | | Black CLAY, little silt and fine sand, occasional organics, soft | | | | Cement Cap 709.3 |
| 2 | | | | | | | | | |
| 3 | SS-2 | 1 2 1 2 | 0.5' | | | | | | |
| 4 | | | | | @ 4.0', some oxidized sand and small gravel | 707.3 | | | |
| 5 | SS-3 | 2 2 4 5 | 0.5' | | Brownish black fine-coarse SAND and small GRAVEL, occasional silt, trace clay, wet, loose to medium dense | | | | |
| 6 | | | | | below 6.0', sand and gravel are brown, with trace medium-large gravel | | | | |
| 7 | SS-4 | 3 4 6 4 | 0.5' | | | | | | |
| 8 | | | | | below 8.0', medium-large gravel content increases to some, as does silty clay content | | | | |
| 9 | SS-5 | 4 4 4 5 | 0.8' | | | | | | Stainless Steel Riser |
| 10 | | | | | | | | | |
| 11 | SS-6 | 4 3 3 3 | 1.0' | | | | | | Bentonite Grout |
| 12 | | | | | below 12.0', sand and gravel exhibits crude bedding and sorting; clay is absent; little silt | | | | |
| 13 | SS-7 | 6 6 5 3 | 1.3' | | | | | | |
| 14 | | | | | | | | | |
| 15 | SS-8 | 3 3 3 3 | 1.0' | | | | | | |
| 16 | | | | | below 16.0', fine sand content decreases to little, and small-large gravel content decreases to some | | | | |
| 17 | SS-9 | 4 2 2 4 | 0.8' | | | | | | |
| 18 | | | | | below 18.0', appears crudely bedded | | | | |
| 19 | SS-10 | 3 3 4 6 | 1.0' | | | | | | |
| 20 | | | | | | | | | |

| BORING NUMBER | GEOLOGIC LOG OF BORING | JENNINGS AND STAUROWSKY CONSULTING HYDROGEOLOGISTS |
|---|---|---|
| G135D | | |

| PROJECT | COORDINATES | SHEET |
|---|---|---|
| Winnebago Reclamation - Pagel Landfill | N 2002037.10 E 799089.33 | 2 of 3 |

| DRILLER | RIG | METHOD |
|---|---|---|
| Layne Northwest Company | Track-mounted CME 850 | Rotary |

| GROUND SURFACE ELEV. | DATE STARTED | WELL/PIEZOMETER CROSS REF. | WATER LEVELS: (ft. below ground surface) |
|---|---|---|---|
| 711.3 ft. MSL | 3-7-95 | G135D | While Drilling: @ Completion: |

| END OF BORING ELEV. | DATE COMPLETED | LOGGED BY | PROJECT NUMBER |
|---|---|---|---|
| 663.3 ft. MSL | 3-7-95 | J. O'Donnell | |

NOTES:

| DEPTH (ft.) | SAMPLE NUMBER | BLOWS | REC. | Qu | SOIL DESCRIPTION | UNIT ELEV. | GEOLOGIC UNIT | GRAPHIC LOG | WELL/PIEZ DETAILS |
|---|---|---|---|---|---|---|---|---|---|
| 21–22 | SS-11 | 5 6 8 5 | 0.75' | | Brown fine-coarse SAND and small-medium GRAVEL, little silt, crudely bedded, sorted to poorly sorted, loose to medium dense | | | | Stainless Steel Riser; Bentonite Grout |
| 23–24 | SS-12 | 6 15 11 10 | 1.0' | | | | | | |
| 25–26 | SS-13 | 5 7 5 7 | 0.8' | | | | | | |
| 27–28 | SS-14 | 5 5 10 9 | 1.0' | | below 26.0', oxidized in areas | | | | |
| 29–30 | SS-15 | 6 3 4 6 | 0.8' | | | | | | |
| 31–32 | SS-16 | 5 14 11 13 | 0.7' | | | | | | |
| 33–34 | SS-17 | No Sample | No Rec. | | | | | | 678.3 |
| 35–36 | SS-18 | 5 7 9 8 | 0.75' | | from 34.0'-36.0', gravel content decreases to only trace small gravel; silt content decreases trace | | | | Pellet Seal; 676.3 |
| 37–38 | SS-19 | 10 9 8 6 | 1.0' | | | | | | 674.3; Silica Sand Pack |
| 39–40 | SS-20 | 8 14 11 9 | 0.8' | | | | | | Stainless Steel Screen |

| BORING NUMBER | GEOLOGIC LOG OF BORING | JENNINGS AND STAUROWSKY CONSULTING HYDROGEOLOGISTS |
|---|---|---|
| G35S | | |

| PROJECT | COORDINATES | SHEET |
|---|---|---|
| Winnebago Reclamation – Pagel Landfill | N 2002038.94 E 799084.49 | 1 of 1 |

| DRILLER | RIG | METHOD |
|---|---|---|
| Layne Northwest Company | Track-mounted CME 850 | Rotary |

| GROUND SURFACE ELEV. | DATE STARTED | WELL/PIEZOMETER CROSS REF. | WATER LEVELS: (ft. below ground surface) |
|---|---|---|---|
| 711.3 ft. MSL | 3-7-95 | G35S | While Drilling: @ Completion: |

| END OF BORING ELEV. | DATE COMPLETED | LOGGED BY | PROJECT NUMBER |
|---|---|---|---|
| 694.3 ft. MSL | 3-7-95 | J. O'Donnell | |

NOTES:

| DEPTH (ft.) | SAMPLE NUMBER | BLOWS | REC. | Qu | SOIL DESCRIPTION | UNIT ELEV. | GEOLOGIC UNIT | GRAPHIC LOG | WELL/PIEZ DETAILS |
|---|---|---|---|---|---|---|---|---|---|
| 1, 2, 3, 4, 5, 6 | | | | | Blind drilled to 7.0'. See G135D log for description 0.0'-7.0'. | | | | Cement Cap 709.3; Bentonite Pellet Seal 706.3; Stainless Steel Riser |
| 7 | | | | | | 704.3 | | | 704.3 |
| 8 | SS-1 | 3 4 5 4 | 0.6' | | Brown fine-coarse SAND, some small gravel, oxidized, loose to medium dense | | | | Stainless Steel Screen; Silica Sand Pack |
| 9 | | | | | | | | | |
| 10 | SS-2 | 3 5 4 4 | 0.5' | | | | | | |
| 11 | | | | | below 11.0', some medium gravel content | | | | |
| 12 | SS-3 | 5 4 4 5 | 0.7' | | | | | | |
| 13 | | | | | | | | | |
| 14 | SS-4 | 6 6 4 5 | 0.5' | | | | | | |
| 15 | | | | | | | | | |
| 16 | SS-5 | 5 7 6 6 | 0.5' | | | | | | |
| 17 | | | | | End of Boring = 17.0' | 694.3 | | | 694.0 694.0 |
| 18 | | | | | Monitor well set upon completion. | | | | |
| 19 | | | | | | | | | |
| 20 | | | | | | | | | |

| BORING NUMBER | GEOLOGIC LOG OF BORING | JENNINGS AND STAUROWSKY CONSULTING HYDROGEOLOGISTS |
|---|---|---|
| G36D | | |

| PROJECT | COORDINATES | SHEET |
|---|---|---|
| Winnebago Reclamation - Pagel Landfill | N 2001359.84 E 799423.28 | 1 of 2 |

| DRILLER | RIG | METHOD |
|---|---|---|
| Layne Northwest Company | Track-mounted CME 850 | Rotary |

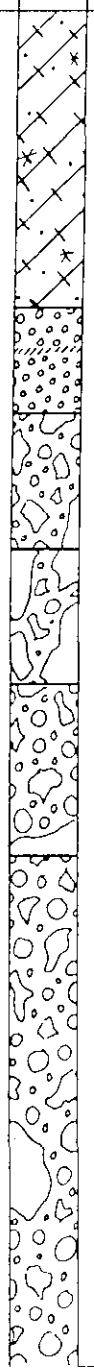
| GROUND SURFACE ELEV. | DATE STARTED | WELL/PIEZOMETER CROSS REF. | WATER LEVELS: (ft. below ground surface) |
|---|---|---|---|
| 711.3 ft. MSL | 3-15-95 | G36D | While Drilling: @ Completion: |

| END OF BORING ELEV. | DATE COMPLETED | LOGGED BY | PROJECT NUMBER |
|---|---|---|---|
| 673.3 ft. MSL | 3-15-95 | B. Staurowsky | |

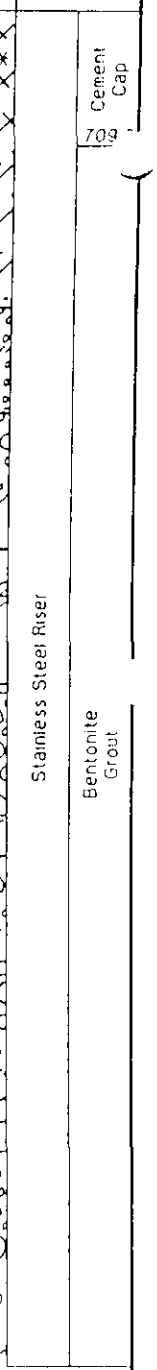
NOTES:

| DEPTH (ft.) | SAMPLE NUMBER | BLOWS | REC. | Gu | SOIL DESCRIPTION | UNIT ELEV. | GEOLOGIC UNIT |
|---|---|---|---|---|---|---|---|
| 1 | SS-1 | 2 2 2 2 | 0.3' | | Black CLAY, little silt, organics, soft to medium stiff | | |
| 3 | SS-2 | 2 3 4 4 | 0.5' | | | | |
| 5 | SS-3 | 3 2 1 1 | 1.0' | | Brown fine SAND, occasional black clayey horizons, generally massive, well sorted, loose | 706.9 | |
| 7 | SS-4 | 2 7 8 5 | 0.6' | | Medium-large GRAVEL, little fine-coarse sand and small-medium gravel, highly oxidized, medium dense | 705.3 | |
| 9 | SS-5 | 2 9 4 3 | 0.5' | | Small COBBLES and large GRAVEL, little fine-coarse sand and small- medium gravel, high oxidized | 703.3 | |
| 11 | SS-6 | 3 11 8 8 | 0.6' | | Brown fine-coarse SAND, little small-medium gravel, trace cobble, poorly sorted, medium dense | 701.3 | |
| 13 | SS-7 | 5 41 41 15 | 1.2' | | Fine-coarse SAND and small-medium GRAVEL, trace small cobble, little silt, trace oxidized horizon, sorted to poorly sorted, dense to very dense<br>below 14.0', crude bedding occurs | 698.8 | |
| 15 | SS-8 | 6 10 14 18 | 1.0' | | | | |
| 17 | SS-9 | 30 21 23 22 | 1.7' | | below 17.2', gravel shows iron staining; sand and gravel is generally poorly sorted | | |
| 19 | SS-10 | 11 27 17 9 | 0.5' | | | | |

GRAPHIC LOG



WELL/PIEZ DETAILS



| BORING NUMBER | GEOLOGIC LOG OF BORING | JENNINGS AND STAUROWSKY CONSULTING HYDROGEOLOGISTS |
|---|---|---|
| G36D | | |

| PROJECT | COORDINATES | SHEET |
|---|---|---|
| Winnebago Reclamation - Pagel Landfill | N 2001359.84 E 799423.28 | 2 of 2 |

| DRILLER | RIG | METHOD |
|---|---|---|
| Layne Northwest Company | Track-mounted CME 850 | Rotary |

| GROUND SURFACE ELEV. | DATE STARTED | WELL/PIEZOMETER CROSS REF. | WATER LEVELS: (ft. below ground surface) |
|---|---|---|---|
| 711.3 ft. MSL | 3-15-95 | G36D | While Drilling: @ Completion: |

| END OF BORING ELEV. | DATE COMPLETED | LOGGED BY | PROJECT NUMBER |
|---|---|---|---|
| 673.3 ft. MSL | 3-15-95 | B. Staurowsky | |

NOTES:

| DEPTH (ft.) | SAMPLE NUMBER | BLOWS | REC. | Qu | SOIL DESCRIPTION | UNIT ELEV. | GEOLOGIC UNIT | GRAPHIC LOG | WELL/PIEZ DETAILS |
|---|---|---|---|---|---|---|---|---|---|
| 21 | SS-11 | 5 11 17 9 | 0.7' | | Fine-coarse SAND and small-large GRAVEL, little silt, sorted in crude bedding to poorly sorted, medium dense to very dense | | | | Bentonite Grout; Stainless Steel Riser |
| 22 | | | | | below 22.0', trace cobble | | | | |
| 23 | SS-12 | 9 11 14 11 | 0.8' | | | | | | |
| 24 | | | | | | | | | 687.3 |
| 25 | SS-13 | 7 14 16 15 | 0.6' | | | | | | |
| 26 | | | | | | | | | 685.3 |
| 27 | SS-14 | 25 64 for 6" | No Rec. | | | | | | |
| 28 | | | | | below 28.0', no cobbles | | | | 683.3 |
| 29 | SS-15 | 12 16 16 10 | 0.3' | | | | | | Silica Sand Pack; Stainless Steel Screen |
| 30 | | | | | below 30.0', coarse sand and gravel content decrease; silty to little silt content; massive but trace bedding | | | | |
| 31 | SS-16 | 11 11 25 23 | 0.8' | | | | | | |
| 32 | | | | | | | | | |
| 33 | SS-17 | 11 17 27 20 | 0.8' | | | | | | |
| 34 | | | | | | | | | |
| 35 | SS-18 | 7 10 20 31 | 0.7' | | | | | | |
| 36 | | | | | | 675.0 | | | |
| 37 | SS-19 | 17 35 25 40 | 0.6' | | Brown fine-very fine SAND, laminated, very well sorted, very dense | | | | 673.3 |
| 38 | | | | | | 673.3 | | | 673.0 |
| | | | | | End of Boring = 38.0' | | | | |
| 39 | | | | | Monitor well set upon completion. | | | | |
| 40 | | | | | | | | | |

| BORING NUMBER | GEOLOGIC LOG OF BORING | JENNINGS AND STAUROWSKY CONSULTING HYDROGEOLOGISTS |
|---|---|---|
| G37D | | |

| PROJECT | COORDINATES | SHEET |
|---|---|---|
| Winnebago Reclamation - Pagel Landfill | N 2002691.61 E 798738.16 | 1 of 5 |

| DRILLER | RIG | METHOD |
|---|---|---|
| Layne Northwest Company | Track-mounted CME 850 | Rotary |

| GROUND SURFACE ELEV. | DATE STARTED | WELL/PIEZOMETER CROSS REF. | WATER LEVELS: (ft. below ground surface) |
|---|---|---|---|
| 708.3 ft. MSL | 3-8-95 | G37D | While Drilling: @ Completion: |

| END OF BORING ELEV. | DATE COMPLETED | LOGGED BY | PROJECT NUMBER |
|---|---|---|---|
| 625.8 ft. MSL | 3-9-95 | J. O'Donnell | |

NOTES:

| DEPTH (ft.) | SAMPLE NUMBER | BLOWS | REC. | Qu | SOIL DESCRIPTION | UNIT ELEV. | GEOLOGIC UNIT | GRAPHIC LOG | WELL/PIEZ DETAILS |
|---|---|---|---|---|---|---|---|---|---|
| 1 | SS-1 | 2 1 2 2 | 1.5' | | Black CLAY, SILT, and fine SAND, few organics, turns oxidized brown at 2.0', very loose to medium dense | | | | Cement Cap |
| 2 | | | | | below 2.0', occasional sand, large gravel, and cobbles | | | | 70 |
| 3 | SS-2 | 6 10 12 7 | 1.0' | | | | | | |
| 4 | | | | | | 704.3 | | | |
| 5 | SS-3 | 10 17 17 17 | 0.5' | | Black and brown medium-large GRAVEL, some fine-coarse sand, trace silt and cobbles, poorly sorted, medium dense to dense | | | | |
| 6 | | | | | below 6.0', increase in fine-coarse sand and small gravel content; silty | | | | |
| 7 | SS-4 | 7 10 13 7 | 0.7' | | | | | | |
| 8 | | | | | | | | | |
| 9 | SS-5 | 10 9 9 8 | 0.7' | | | | | | Stainless Steel Riser |
| 10 | | | | | below 10.0', gravel content decreases to little | | | | |
| 11 | SS-6 | 2 3 3 3 | 0.8' | | | | | | Bentonite Grout |
| 12 | | | | | below 12.0', predominantly coarse sand and small gravel, some medium sand, trace fine sand and medium-large gravel, poorly sorted | | | | |
| 13 | SS-7 | 2 4 3 5 | 1.0' | | | | | | |
| 14 | | | | | | 694.3 | | | |
| 15 | SS-8 | 2 8 12 17 | 0.75' | 3.75 | Brown silty CLAY, feathery structure, very stiff | | | | |
| 16 | | | | | below 16.0', structure is blocky | | | | |
| 17 | SS-9 | 1 1 8 6 | 0.6' | 3.25 | | | | | |
| 18 | | | | | below 18.0', color becomes brownish pink | | | | |
| 19 | SS-10 | 1 7 12 14 | 2.0' | 3.75 | | | | | |
| 20 | | | | | | | | | |

| BORING NUMBER | GEOLOGIC LOG OF BORING | JENNINGS AND STAUROWSKY CONSULTING HYDROGEOLOGISTS |
|---|---|---|
| G37D | | |

| PROJECT | COORDINATES | SHEET |
|---|---|---|
| Winnebago Reclamation - Pagel Landfill | N 2002691.61 E 798738.16 | 2 of 5 |

| DRILLER | RIG | METHOD |
|---|---|---|
| Layne Northwest Company | Track-mounted CME 850 | Rotary |

| GROUND SURFACE ELEV. | DATE STARTED | WELL/PIEZOMETER CROSS REF. | WATER LEVELS: (ft. below ground surface) |
|---|---|---|---|
| 708.3 ft. MSL | 3-8-95 | G37D | While Drilling: @ Completion: |

| END OF BORING ELEV. | DATE COMPLETED | LOGGED BY | PROJECT NUMBER |
|---|---|---|---|
| 625.8 ft. MSL | 3-9-95 | J. O'Donnell | |

NOTES:

| DEPTH (ft.) | SAMPLE NUMBER | BLOWS | REC. | Qu | SOIL DESCRIPTION | UNIT ELEV. | GEOLOGIC UNIT | GRAPHIC LOG | WELL/PIEZ DETAILS |
|---|---|---|---|---|---|---|---|---|---|
| 21 | SS-11 | 6 8 12 16 | 0.7' | 0.8 | Gray CLAY, little silt, laminated in areas, 0.5" sandy clay @ 20.3', medium stiff | | | | |
| 22 | | | | | | | | | |
| 23 | SS-12 | 3 4 8 10 | 1.2' | | Brown fine SAND, oxidized | 685.3 | | | |
| 24 | | | | | | 684.3 | | | |
| 25 | SS-13 | 2 2 4 5 | 1.5' | 0.75 | Gray very silty CLAY, occasional silt parting, laminated but massive between laminae, moist, medium stiff | | | | |
| 26 | | | | | | 682.3 | | | |
| 27 | SS-14 | 5 3 5 6 | 1.7' | 1.5 | Brownish gray CLAY, little silt, feathery structure, moist, stiff | | | | |
| 28 | | | | | | 680.3 | | | |
| 29 | SS-15 | 2 3 2 2 | 2.0' | | Gray SILT, little-trace clay, very finely laminated, moist, very soft to medium stiff | | | | Stainless Steel Riser; Bentonite Grout |
| 30 | | | | | | | | | |
| 31 | SS-16 | 1 1 3 4 | 2.0' | <0.25 | below 30.0', becomes clayey silt/silty clay, still thinly laminated | | | | |
| 32 | | | | | | | | | |
| 33 | SS-17 | 1 for 24" | 0.5' | | below 32.0', clay grades into and out of silty phases randomly; very moist but not wet | | | | |
| 34 | | | | | | | | | |
| 35 | SS-18 | 1 for 24" | 0.5' | | | | | | |
| 36 | | | | | | | | | |
| 37 | SS-19 | 1 for 24" | 0.5' | | | | | | |
| 38 | | | | | | | | | |
| 39 | SS-20 | 1 for 24" | 0.5' | | | | | | |
| 40 | | | | | | | | | |

| BORING NUMBER | GEOLOGIC LOG OF BORING | JENNINGS AND STAUROWSKY CONSULTING HYDROGEOLOGISTS |
|---|---|---|
| G37D | | |

| PROJECT | COORDINATES | SHEET |
|---|---|---|
| Winnebago Reclamation - Pagel Landfill | N 2002691.61 E 798738.16 | 3 of 5 |

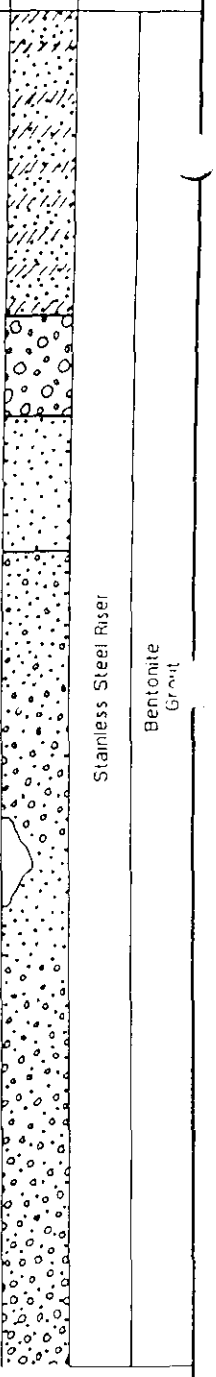
| DRILLER | RIG | METHOD |
|---|---|---|
| Layne Northwest Company | Track-mounted CME 850 | Rotary |

| GROUND SURFACE ELEV. | DATE STARTED | WELL/PIEZOMETER CROSS REF. | WATER LEVELS: (ft. below ground surface) |
|---|---|---|---|
| 708.3 ft. MSL | 3-8-95 | G37D | While Drilling: @ Completion: |

| END OF BORING ELEV. | DATE COMPLETED | LOGGED BY | PROJECT NUMBER |
|---|---|---|---|
| 625.8 ft. MSL | 3-9-95 | J. O'Donnell | |

NOTES:

| DEPTH (ft.) | SAMPLE NUMBER | BLOWS | REC. | Qu | SOIL DESCRIPTION | UNIT ELEV. | GEOLOGIC UNIT | GRAPHIC LOG | WELL/PIEZ DETAILS |
|---|---|---|---|---|---|---|---|---|---|
| 41 | ST-21 | | 2.0' | | Gray clayey SILT thinly interbedded with silty CLAY | | | | |
| 42 | | | | | | | | | |
| 43 | ST-22 | | 2.0' | | | | | | |
| 44 | | | | | | | | | |
| 45 | SS-23 | 1 2 4 4 | 2.0' | | Black fine-medium SAND, loose | 663.8 | | | |
| 46 | | | | | | 662.3 | | | |
| 47 | SS-24 | 4 4 11 13 | 1.7' | | Gray SILT, little clay, slightly laminated, interbedded with more clayey phases, wet, medium dense | | | | |
| 48 | | | | | | 660.3 | | | |
| 49 | SS-25 | 4 11 18 25 | 1.5' | | Brown very fine sandy SILT, highly oxidized, laminated, wet, medium dense to very dense | | | | |
| 50 | | | | | @ 50.0'-52.0', becomes silty very fine sand, wet | | | | |
| 51 | SS-26 | 8 11 13 17 | 0.8' | | | | | | |
| 52 | | | | | below 52.0', very fine sand is absent; trace cobble | | | | |
| 53 | SS-27 | 11 32 51 for 4" | 1.0' | | | | | | |
| 54 | | | | | below 54.0', becomes silty very fine sand | | | | |
| 55 | SS-28 | 8 17 28 23 | 2.0' | | | | | | |
| 56 | | | | | | | | | |
| 57 | SS-29 | 17 28 37 39 | 1.4' | | | | | | |
| 58 | | | | | | | | | |
| 59 | SS-30 | 8 18 32 44 | 1.5' | | | | | | |
| 60 | | | | | | | | | |



| BORING NUMBER | GEOLOGIC LOG OF BORING | JENNINGS AND STAUROWSKY CONSULTING HYDROGEOLOGISTS |
|---|---|---|
| G37D | | |

| PROJECT | COORDINATES | SHEET |
|---|---|---|
| Winnebago Reclamation - Pagel Landfill | N 2002691.61 E 798738.16 | 4 of 5 |

| DRILLER | RIG | METHOD |
|---|---|---|
| Layne Northwest Company | Track-mounted CME 850 | Rotary |

| GROUND SURFACE ELEV. | DATE STARTED | WELL/PIEZOMETER CROSS REF. | WATER LEVELS: (ft. below ground surface) |
|---|---|---|---|
| 708.3 ft. MSL | 3-8-95 | G37D | While Drilling: @ Completion: |

| END OF BORING ELEV. | DATE COMPLETED | LOGGED BY | PROJECT NUMBER |
|---|---|---|---|
| 625.8 ft. MSL | 3-9-95 | J. O'Donnell | |

NOTES:

| DEPTH (ft.) | SAMPLE NUMBER | BLOWS | REC. | Qu | SOIL DESCRIPTION | UNIT ELEV. | GEOLOGIC UNIT | GRAPHIC LOG | WELL/PIEZ DETAILS |
|---|---|---|---|---|---|---|---|---|---|
| 61 | SS-31 | 5 12 17 27 | 1.7' | | Grayish brown silty very fine SAND/very fine sandy SILT, medium dense | | | | |
| 62 | | | | | | 646.3 | | | |
| 63 | SS-32 | 6 8 8 9 | 1.5' | | Brown silty fine-coarse SAND and small GRAVEL, medium dense | | | | Bentonite Grout |
| 64 | | | | | below 64.0', silt content increases to some; trace clay | | | | |
| 65 | SS-33 | 5 8 6 7 | 1.7' | | | | | | Stainless Steel Riser |
| 66 | | | | | | | | | 642.3 |
| 67 | SS-34 | 8 23 11 28 | 1.5' | | | 641.3 | | | Bentonite Pellet Seal |
| 68 | | | | | Brown fine-medium SAND and small GRAVEL, some-occasional coarse sand, little large gravel, poorly sorted, oxidized in spots | | | | |
| 69 | SS-35 | 13 22 7 18 | 1.4' | | Pinkish brown SILT/CLAY/fine SAND, trace small gravel, multicolored in browns and trace green, oxidized in spots, massive | 639.8 | | | 639.3 |
| 70 | | | | | | 638.3 | | | |
| 71 | SS-36 | 22 26 34 34 | 0.75' | | Brown fine-coarse SAND and small-medium GRAVEL in silty CLAY matrix, very dense | | | | 637.3 |
| 72 | | | | | | 636.3 | | | |
| 73 | SS-37 | 60 for 6" | 0.5' | | Brown silty fine SAND, trace coarse sand and small gravel, massive, very dense | | | | Silica Sand Pack |
| 74 | | | | | | 634.3 | | | |
| 75 | SS-38 | 21 31 20 20 | 1.0' | | Brown fine-coarse SAND and small-large GRAVEL, occasional cobble, trace silt and clay, oxidized in areas poorly sorted, very dense | | | | Stainless Steel Screen |
| 76 | | | | | | | | | |
| 77 | SS-39 | 10 25 31 34 | 1.25' | | | | | | |
| 78 | | | | | below 78.0', medium-large gravel and cobbles are absent | | | | |
| 79 | SS-40 | 28 61 for 4" | 0.5' | | | | | | |
| 80 | | | | | | | | | |

| BORING NUMBER | GEOLOGIC LOG OF BORING | JENNINGS AND STAUROWSKY CONSULTING HYDROGEOLOGISTS |
|---|---|---|
| G37D | | |

| PROJECT | COORDINATES | SHEET |
|---|---|---|
| Winnebago Reclamation - Pagel Landfill | N 2002691.61 E 798738.16 | 5 of 5 |

| DRILLER | RIG | METHOD |
|---|---|---|
| Layne Northwest Company | Track-mounted CME 850 | Rotary |

| GROUND SURFACE ELEV. | DATE STARTED | WELL/PIEZOMETER CROSS REF. | WATER LEVELS: (ft. below ground surface) |
|---|---|---|---|
| 708.3 ft. MSL | 3-8-95 | G37D | While Drilling: @ Completion: |

| END OF BORING ELEV. | DATE COMPLETED | LOGGED BY | PROJECT NUMBER |
|---|---|---|---|
| 625.8 ft. MSL | 3-9-95 | J. O'Donnell | |

NOTES:

| DEPTH (ft.) | SAMPLE NUMBER | BLOWS | REC. | Qu | SOIL DESCRIPTION | UNIT ELEV. | GEOLOGIC UNIT | GRAPHIC LOG | WELL/PIEZ DETAILS |
|---|---|---|---|---|---|---|---|---|---|
| 81 | SS-41 | 22 20 41 44 | 1.6' | | Brown fine-coarse SAND and small GRAVEL, trace silt and clay, very dense | | | | 627.3 ica Sand Pack |
| 82 | | | | | | 625.8 | | | 62. |
| 83 | SS-42 | hit rock @ 82.5' | No Rec. | | BEDROCK<br>End of Boring = 82.5'<br>Monitor well set upon completion. | | | | |
| 84 | | | | | | | | | |
| 85 | | | | | | | | | |
| 86 | | | | | | | | | |
| 87 | | | | | | | | | |
| 88 | | | | | | | | | |
| 89 | | | | | | | | | |
| 90 | | | | | | | | | |
| 91 | | | | | | | | | |
| 92 | | | | | | | | | |
| 93 | | | | | | | | | |
| 94 | | | | | | | | | |
| 95 | | | | | | | | | |
| 96 | | | | | | | | | |
| 97 | | | | | | | | | |
| 98 | | | | | | | | | |
| 99 | | | | | | | | | |
| 100 | | | | | | | | | |

| BORING NUMBER | GEOLOGIC LOG OF BORING | JENNINGS AND STAUROWSKY CONSULTING HYDROGEOLOGISTS |
|---|---|---|
| G37S | | |

| PROJECT | COORDINATES | SHEET |
|---|---|---|
| Winnebago Reclamation - Pagel Landfill | N 2002691.63 E 798732.91 | 1 of 1 |

| DRILLER | RIG | METHOD |
|---|---|---|
| Layne Northwest Company | Track-mounted CME 850 | Rotary |

| GROUND SURFACE ELEV. | DATE STARTED | WELL/PIEZOMETER CROSS REF. | WATER LEVELS: (ft. below ground surface) |
|---|---|---|---|
| 708.5 ft. MSL | 3-15-95 | G37S | While Drilling: @ Completion: |

| END OF BORING ELEV. | DATE COMPLETED | LOGGED BY | PROJECT NUMBER |
|---|---|---|---|
| 693.5 ft. MSL | 3-15-95 | B. Staurowsky | |

NOTES:

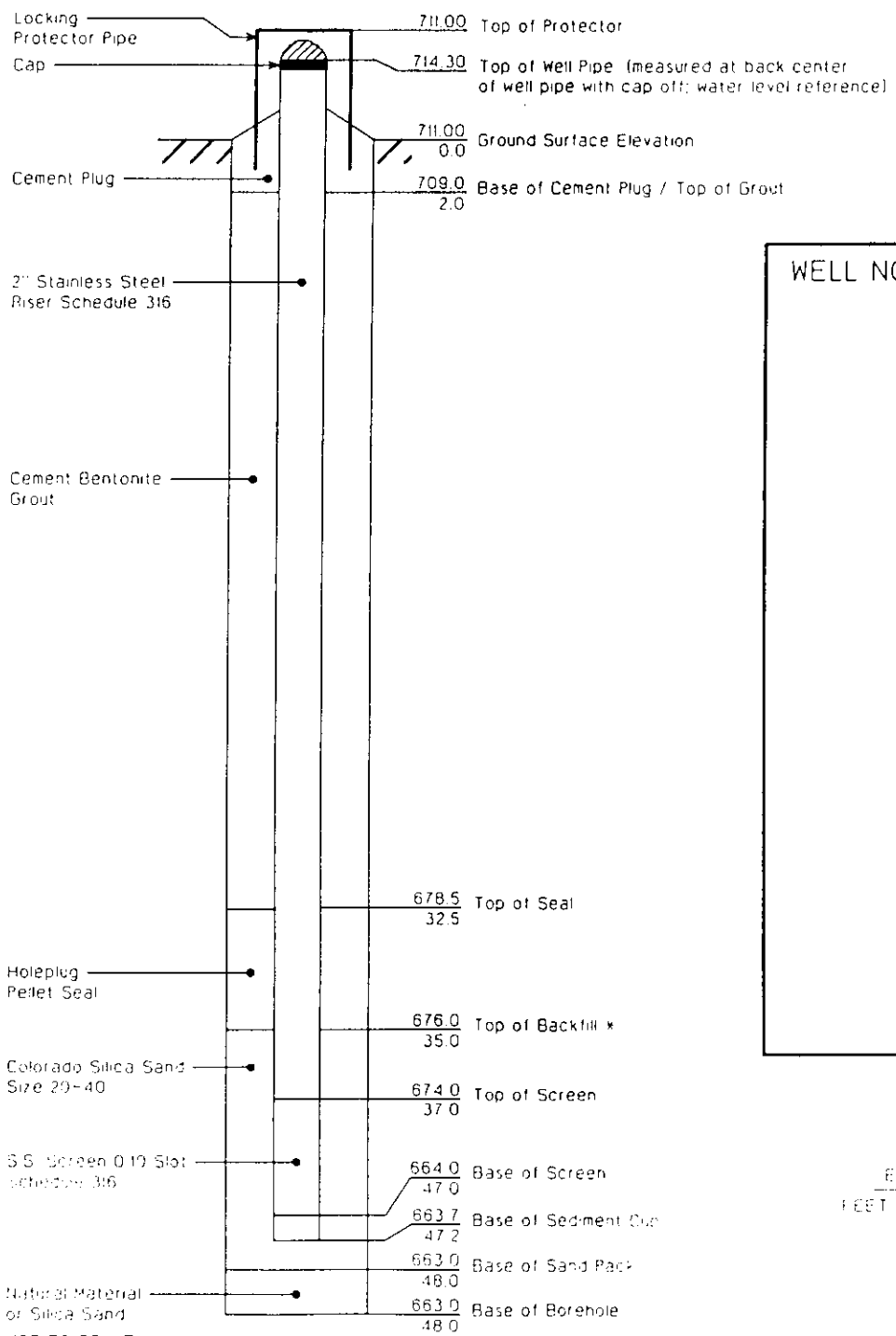
| DEPTH (ft.) | SAMPLE NUMBER | BLOWS | REC. | Gu | SOIL DESCRIPTION | UNIT ELEV. | GEOLOGIC UNIT | GRAPHIC LOG | WELL/PIEZ DETAILS |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Blind drilled to 9.0'. See G137D log for description of 0.0'-9.0'. | | | | Cement Cap; 706.5; Stainless Steel Riser; Bentonite Pellet Seal; 700.5 |
| 9 | | | | | | 699.5 | | | |
| | | | | | Brown fine SAND, some medium-coarse, becomes clayey, wet | 699.2 | | | |
| 10 | SS-1 | 5 7 8 7 | 0.6' | | Brown fine-coarse SAND, slightly oxidized | | | | 698.5; Silica Sand Pack; Stainless Steel Screen |
| 11 | | | | | | 697.5 | | | |
| 12 | SS-2 | 5 5 5 8 | 1.4' | | Brown fine SAND, well graded to coarse SAND and small-medium GRAVEL, little fine-medium sand and large gravel, massive, medium dense | | | | |
| 13 | | | | | below 13.0', becomes fine-coarse sand and small-large gravel | | | | |
| 14 | SS-3 | 2 5 17 14 | 1.2' | | | | | | |
| 15 | | | | | | 693.5 | | | 693.5; 693.5 |
| | | | | | End of Boring = 15.0' | | | | |
| | | | | | Monitor well set upon completion. | | | | |
| 16 | | | | | | | | | |
| 17 | | | | | | | | | |
| 18 | | | | | | | | | |
| 19 | | | | | | | | | |
| 20 | | | | | | | | | |

# Monitor Well Construction Details

| WELL NUMBER | MONITOR WELL CONSTRUCTION DETAIL | JENNINGS AND STAUROWSKY CONSULTING HYDROGEOLOGISTS McHENRY, ILLINOIS |
|---|---|---|
| G33D | | |

| | | | |
|---|---|---|---|
| PROJECT: Winnebago Reclamation - Pagel Landfill | | COORDINATES: N 2001658.17 E 798763.33 | |
| DRILLER: Layne Northwest Company | RIG: Track-mounted CME 850 | METHOD: Rotary | |
| BORING CROSS REFERENCE: G33D | INSTALLATION DATE: 3-1-95 | WATER LEVEL REFERENCE ELEVATION: 713.54 ft. MSL | BOREHOLE DIAMETER: 8.5" |

NOTES:



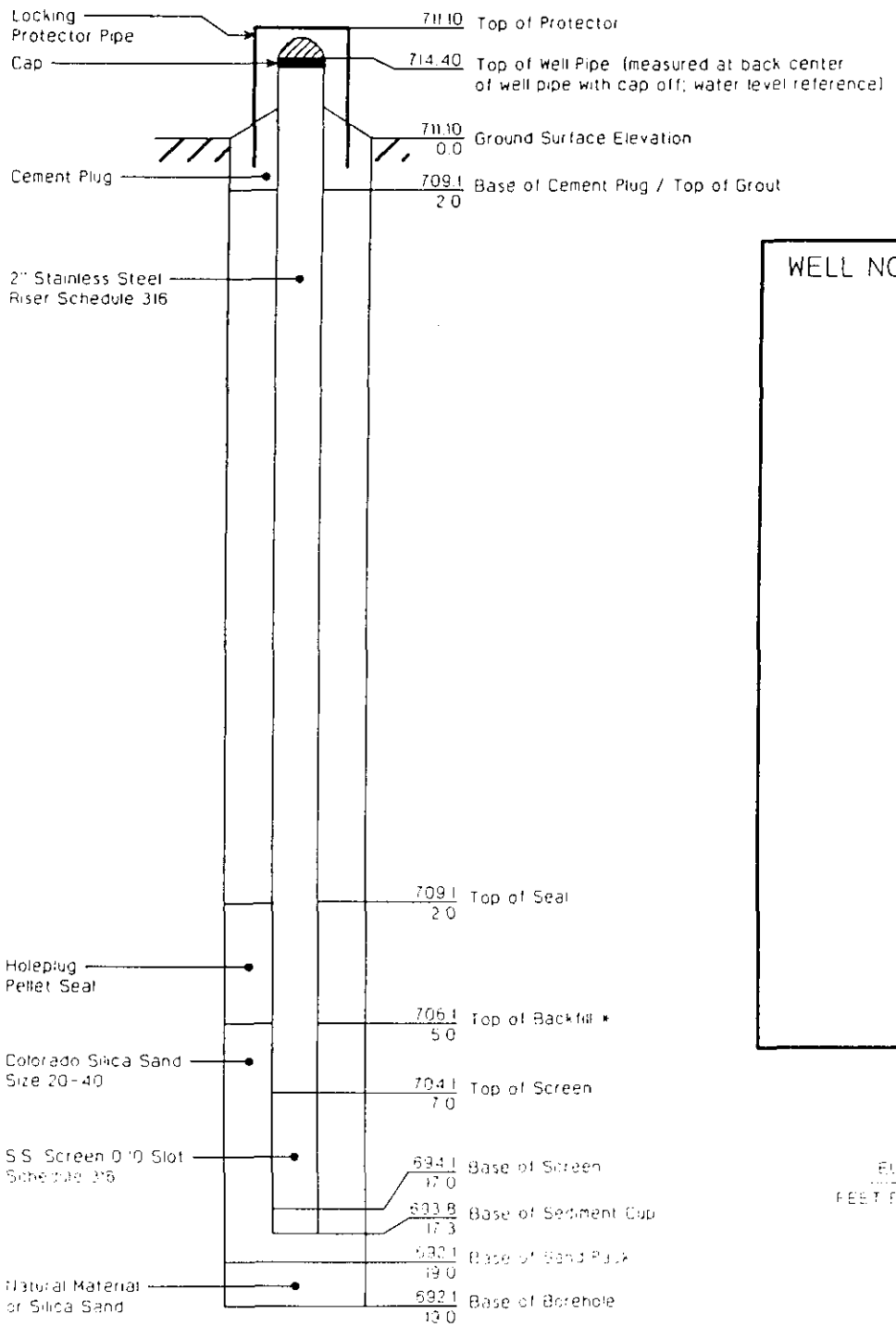

WELL NOTES

ELEVATION (Ft. MSL)
FEET BELOW GROUND SURFACE

| WELL NUMBER | MONITOR WELL CONSTRUCTION DETAIL | JENNINGS AND STAUROWSKY CONSULTING HYDROGEOLOGISTS McHENRY, ILLINOIS |
|---|---|---|
| G33S | | |

| | | | |
|---|---|---|---|
| PROJECT: Winnebago Reclamation - Pagel Landfill | | COORDINATES: N 2001702.28 E 798774.36 | |
| DRILLER: Layne Northwest Company | RIG: Track-mounted CME 850 | METHOD: Rotary | |
| BORING CROSS REFERENCE: G33S | INSTALLATION DATE: 3-2-95 | WATER LEVEL REFERENCE ELEVATION: 714.40 ft. MSL | BOREHOLE DIAMETER: 8.5" |

NOTES:

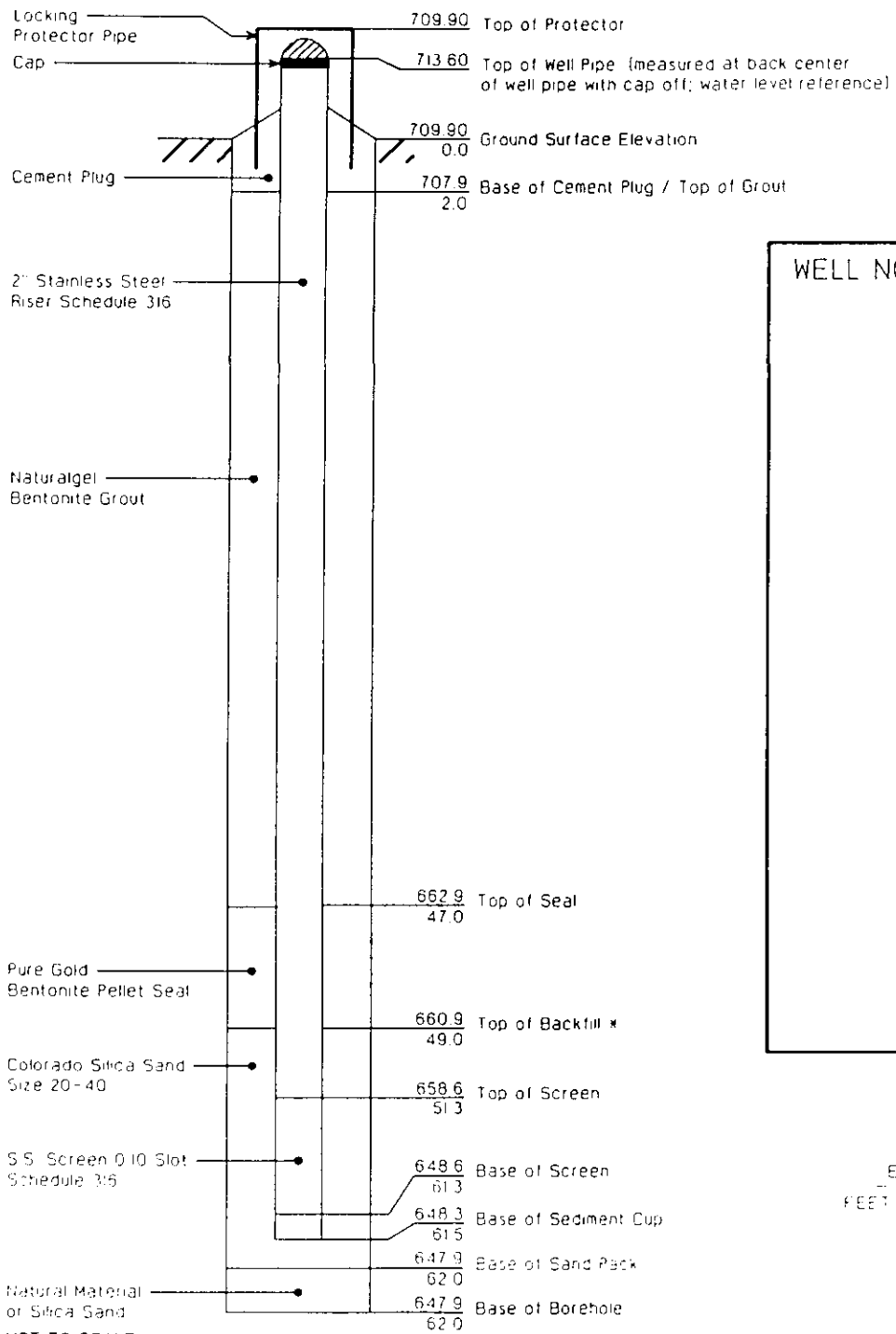



WELL NOTES

| WELL NUMBER | MONITOR WELL CONSTRUCTION DETAIL | JENNINGS AND STAUROWSKY CONSULTING HYDROGEOLOGISTS McHENRY, ILLINOIS |
|---|---|---|
| G34D | | |

| | | | |
|---|---|---|---|
| PROJECT: Winnebago Reclamation - Pagel Landfill | | COORDINATES: N 2002432.65 E 798707.15 | |
| DRILLER: Layne Northwest Company | RIG: Track-mounted CME 850 | METHOD: Rotary | |
| BORING CROSS REFERENCE: G34D | INSTALLATION DATE: 3-3-95 | WATER LEVEL REFERENCE ELEVATION: 713.52 ft. MSL | BOREHOLE DIAMETER: 8.5" |

NOTES:



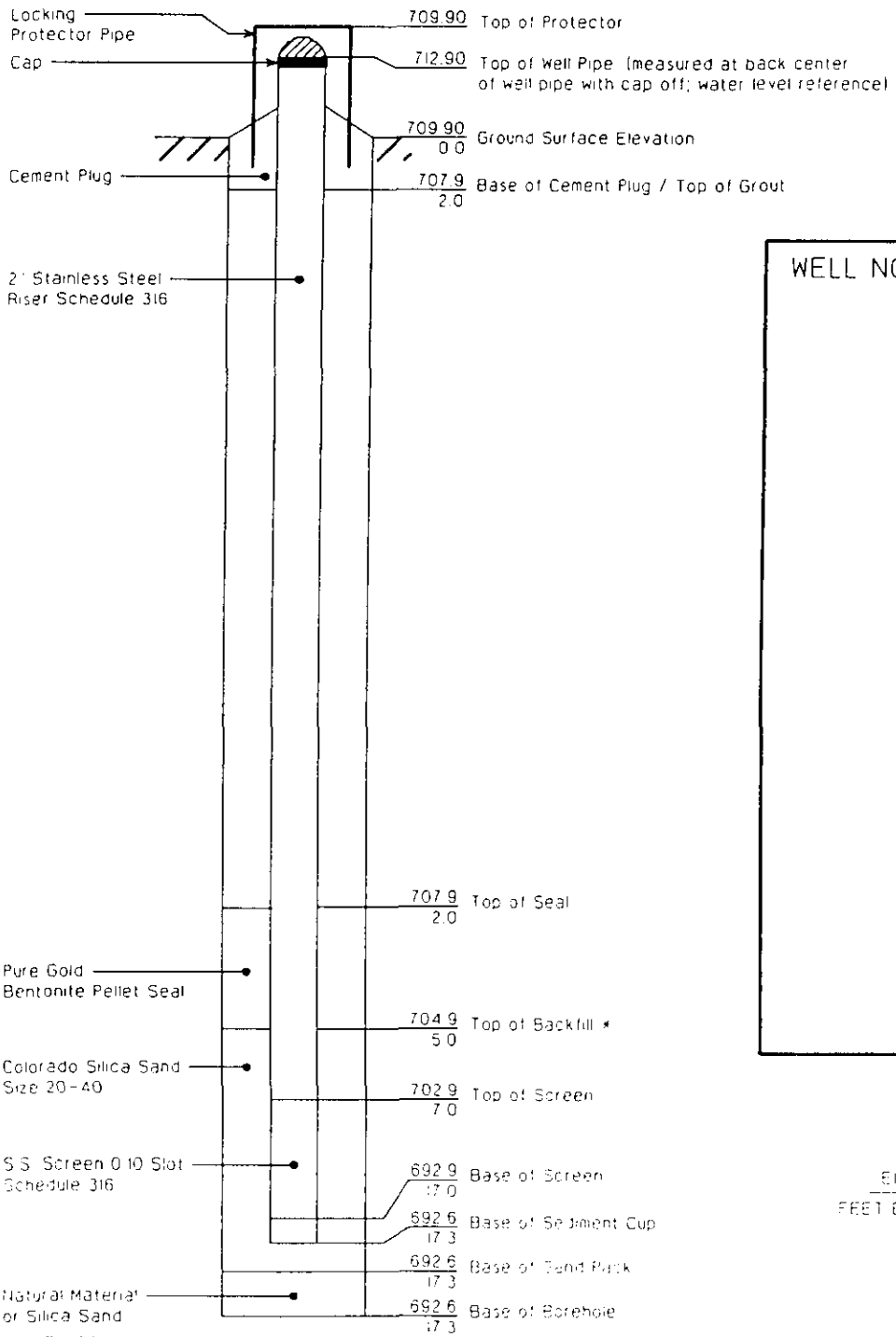

WELL NOTES

ELEVATION (Ft. MSL)
FEET BELOW GROUND SURFACE

| WELL NUMBER | MONITOR WELL CONSTRUCTION DETAIL | JENNINGS AND STAUROWSKY CONSULTING HYDROGEOLOGISTS McHENRY, ILLINOIS |
|---|---|---|
| G34S | | |

| | | | |
|---|---|---|---|
| PROJECT: Winnebago Reclamation - Pagel Landfill | | | COORDINATES: N 2002425.49 E 798714.01 |
| DRILLER: Layne Northwest Company | RIG: Track-mounted CME 850 | | METHOD: Rotary |
| BORING CROSS REFERENCE: G34S | INSTALLATION DATE: 3-6-95 | WATER LEVEL REFERENCE ELEVATION: 712.47 ft. MSL | BOREHOLE DIAMETER: 8.5" |

NOTES:



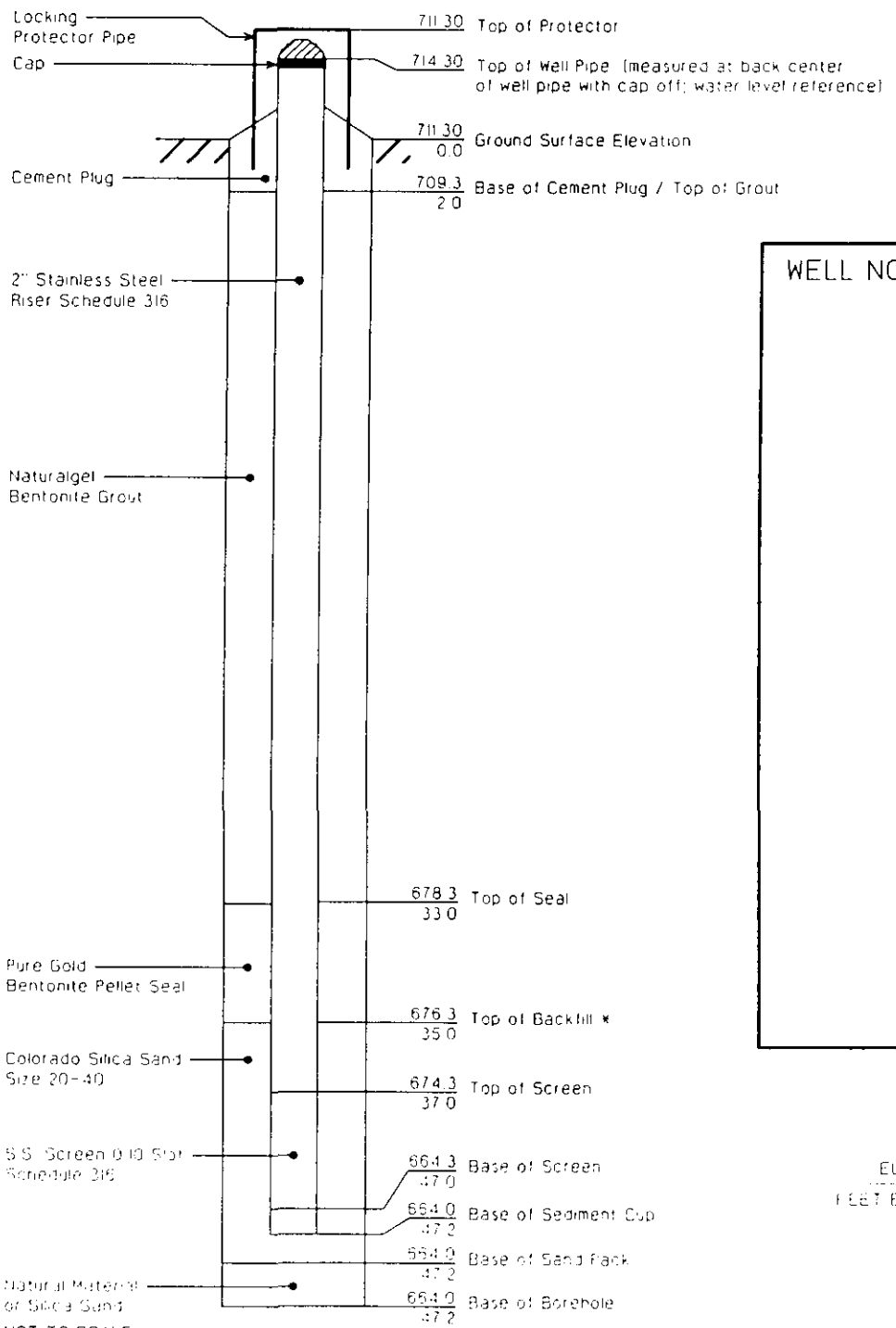

WELL NOTES

ELEVATION (Ft. MSL)
FEET BELOW GROUND SURFACE

| WELL NUMBER | MONITOR WELL CONSTRUCTION DETAIL | JENNINGS AND STAUROWSKY CONSULTING HYDROGEOLOGISTS McHENRY, ILLINOIS |
|---|---|---|
| G135D | | |

| | | | |
|---|---|---|---|
| PROJECT: Winnebago Reclamation - Pagel Landfill | | COORDINATES: N 2002037.10 E 799089.33 | |
| DRILLER: Layne Northwest Company | RIG: Track-mounted CME 850 | METHOD: Rotary | |
| BORING CROSS REFERENCE: G135D | INSTALLATION DATE: 3-7-95 | WATER LEVEL REFERENCE ELEVATION: 714.19 ft. MSL | BOREHOLE DIAMETER: 8.5" |

NOTES:




WELL NOTES

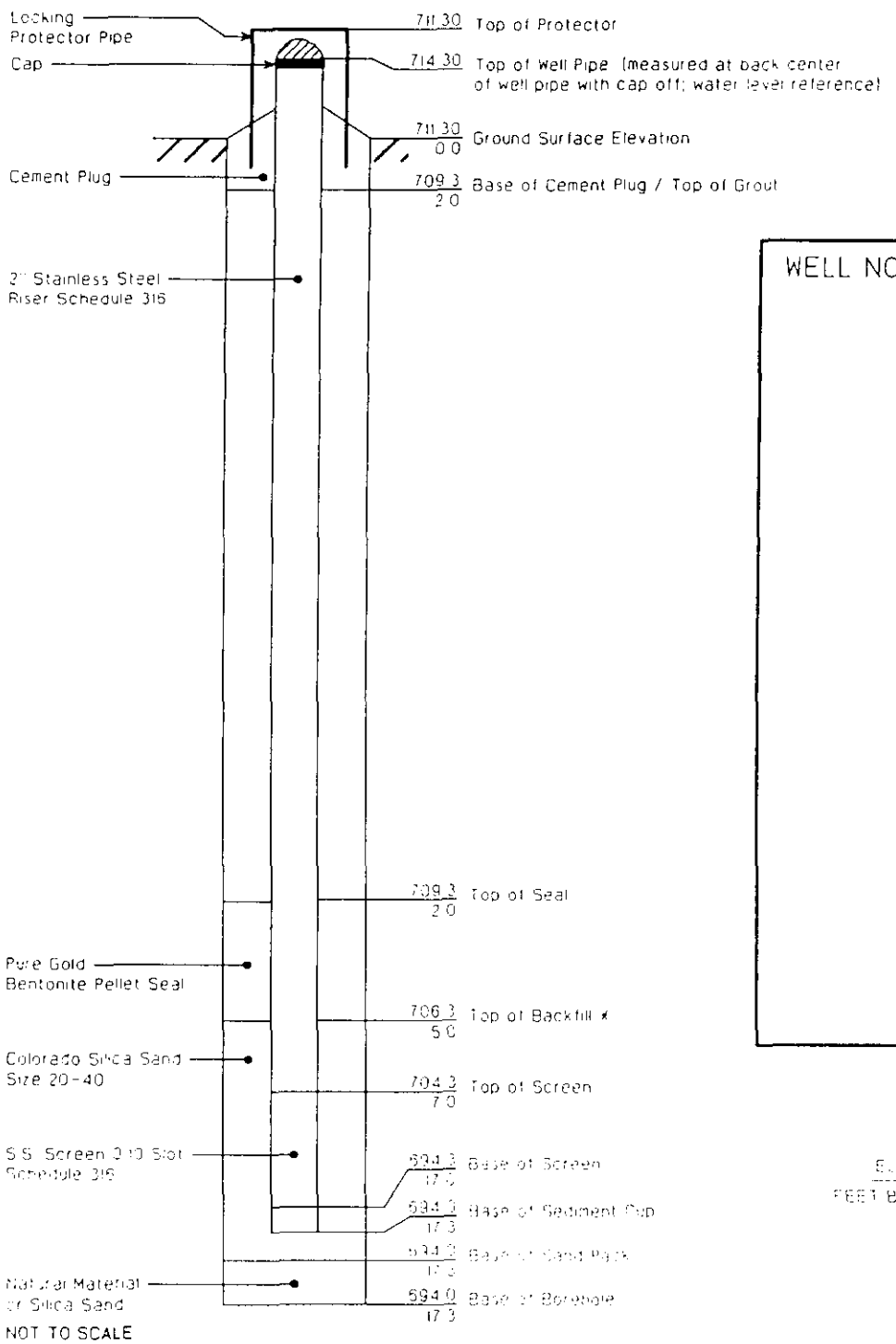
ELEVATION (Ft. MSL)
FEET BELOW GROUND SURFACE

| WELL NUMBER | MONITOR WELL CONSTRUCTION DETAIL | JENNINGS AND STAUROWSKY CONSULTING HYDROGEOLOGISTS McHENRY, ILLINOIS |
|---|---|---|
| G35S | | |

| PROJECT | | COORDINATES |
|---|---|---|
| Winnebago Reclamation - Pagel Landfill | | N 2002038.94 E 799084.49 |
| DRILLER | RIG | METHOD |
| Layne Northwest Company | Track-mounted CME 850 | Rotary |

| BORING CROSS REFERENCE | INSTALLATION DATE | WATER LEVEL REFERENCE ELEVATION | BOREHOLE DIAMETER |
|---|---|---|---|
| G35S | 3-8-95 | 714.11 ft. MSL | 8.5" |

NOTES:



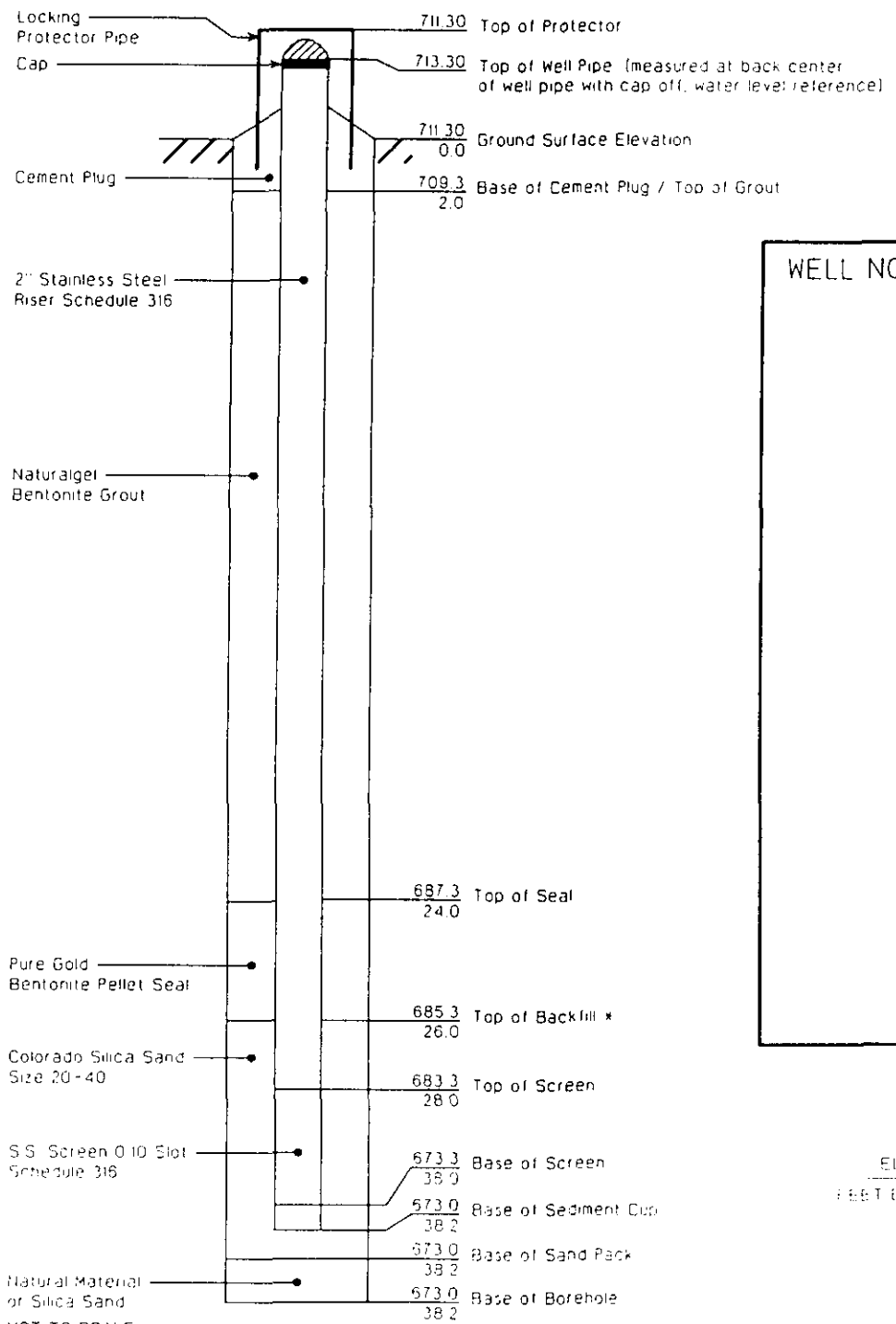

WELL NOTES

ELEVATION (FT MSL)
FEET BELOW GROUND SURFACE

| WELL NUMBER | MONITOR WELL CONSTRUCTION DETAIL | JENNINGS AND STAUROWSKY CONSULTING HYDROGEOLOGISTS McHENRY, ILLINOIS |
|---|---|---|
| G36D | | |

| | | | |
|---|---|---|---|
| PROJECT: Winnebago Reclamation - Pagel Landfill | | COORDINATES: N 2001359.84 E 799423.28 | |
| DRILLER: Layne Northwest Company | RIG: Track-mounted CME 850 | METHOD: Rotary | |
| BORING CROSS REFERENCE: G36D | INSTALLATION DATE: 3-16-95 | WATER LEVEL REFERENCE ELEVATION: 713.32 ft. MSL | BOREHOLE DIAMETER: 8.5" |

NOTES:




WELL NOTES

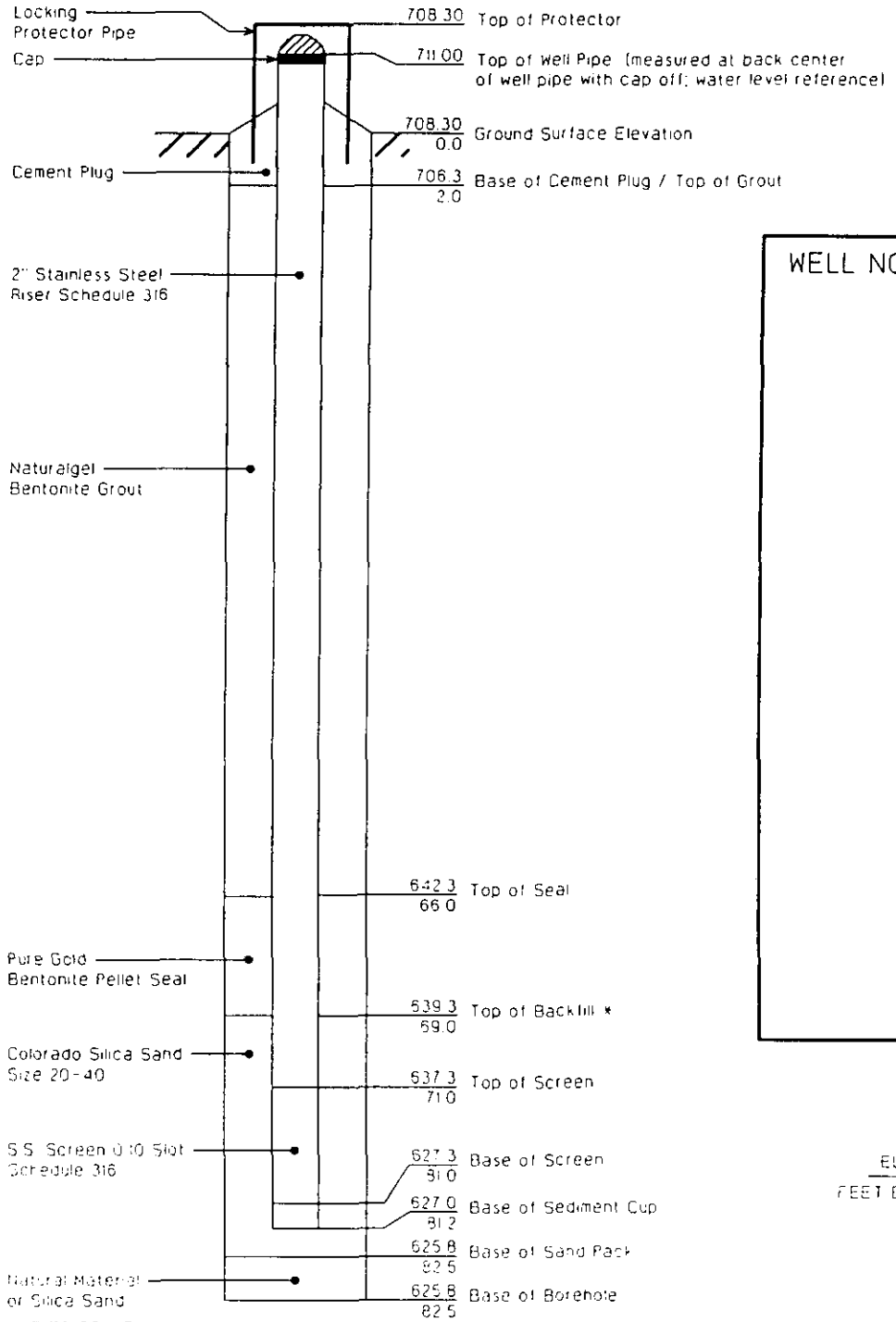
ELEVATION (ft. MSL)
FEET BELOW GROUND SURFACE

| WELL NUMBER | MONITOR WELL CONSTRUCTION DETAIL | JENNINGS AND STAUROWSKY CONSULTING HYDROGEOLOGISTS McHENRY, ILLINOIS |
|---|---|---|
| G37D | | |

| PROJECT | | COORDINATES |
|---|---|---|
| Winnebago Reclamation - Pagel Landfill | | N 2002691.61 E 798738.16 |
| DRILLER: Layne Northwest Company | RIG: Track-mounted CME 850 | METHOD: Rotary |

| BORING CROSS REFERENCE | INSTALLATION DATE | WATER LEVEL REFERENCE ELEVATION | BOREHOLE DIAMETER |
|---|---|---|---|
| G37D | 3-14-95 | 711.04 ft. MSL | 8.5" |

NOTES:



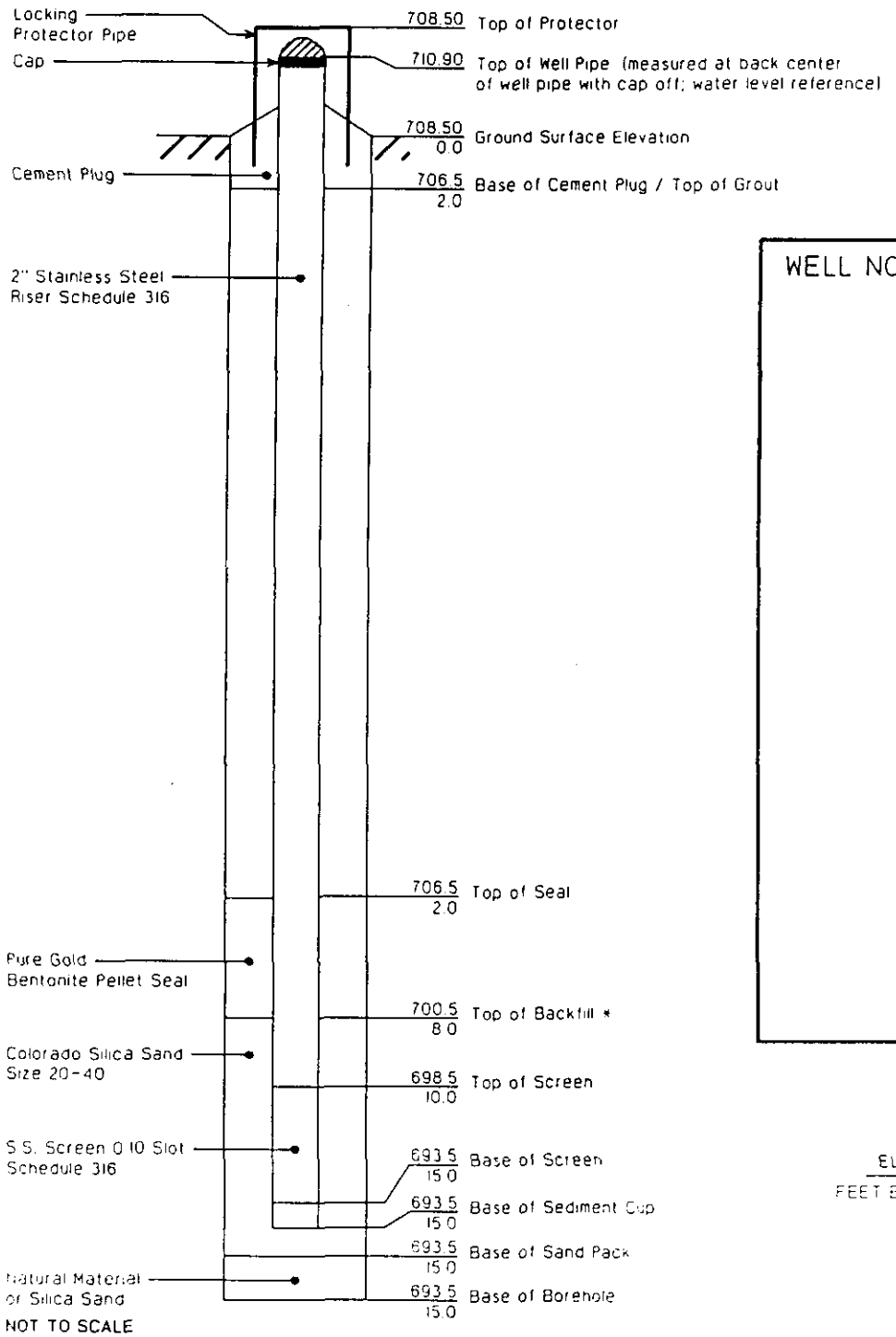

WELL NOTES

ELEVATION (Ft. MSL)
FEET BELOW GROUND SURFACE

| WELL NUMBER | MONITOR WELL CONSTRUCTION DETAIL | JENNINGS AND STAUROWSKY CONSULTING HYDROGEOLOGISTS McHENRY, ILLINOIS |
|---|---|---|
| G37S | | |

| | | | |
|---|---|---|---|
| PROJECT: Winnebago Reclamation - Pagel Landfill | | | COORDINATES: N 2002691.63 E 798732.91 |
| DRILLER: Layne Northwest Company | RIG: Track-mounted CME 850 | | METHOD: Rotary |
| BORING CROSS REFERENCE: G37S | INSTALLATION DATE: 3-15-95 | WATER LEVEL REFERENCE ELEVATION: 710.91 ft. MSL | BOREHOLE DIAMETER: 8.5" |

NOTES:




WELL NOTES

ELEVATION (Ft. MSL)
FEET BELOW GROUND SURFACE

# ATTACHMENT B

# Results of Laboratory Tests

TSC
TESTING SERVICE CORPORATION

Geotechnical Engineering
Environmental Services
Construction Materials Engineering & Testing
Laboratory Testing of Soils & Materials
Subsurface Exploration

Carol Stream, Illinois

April 27, 1995

Roberta L. Jennings
Belinda Staurowski
Consulting Hydrogeologists
2926 North Shorewood Drive
McHenry, Illinois 60050-0340

Re: L-37,151
Report 1
Pagel Landfill
Laboratory Testing

Dear Ms. Staurowski:

The result of the hydraulic conductivity, grainsize, porosity, cation exchange, and fractional organic content you requested is contained in the enclosed sheets. The tests were run using current I.E.P.A. and ASTM methodology. If you have any questions or require additional information, please call.

Respectfully submitted,

TESTING SERVICE CORPORATION

Larry Lockwald
Laboratory Manager

LL:cn
Enc. 16 Pages

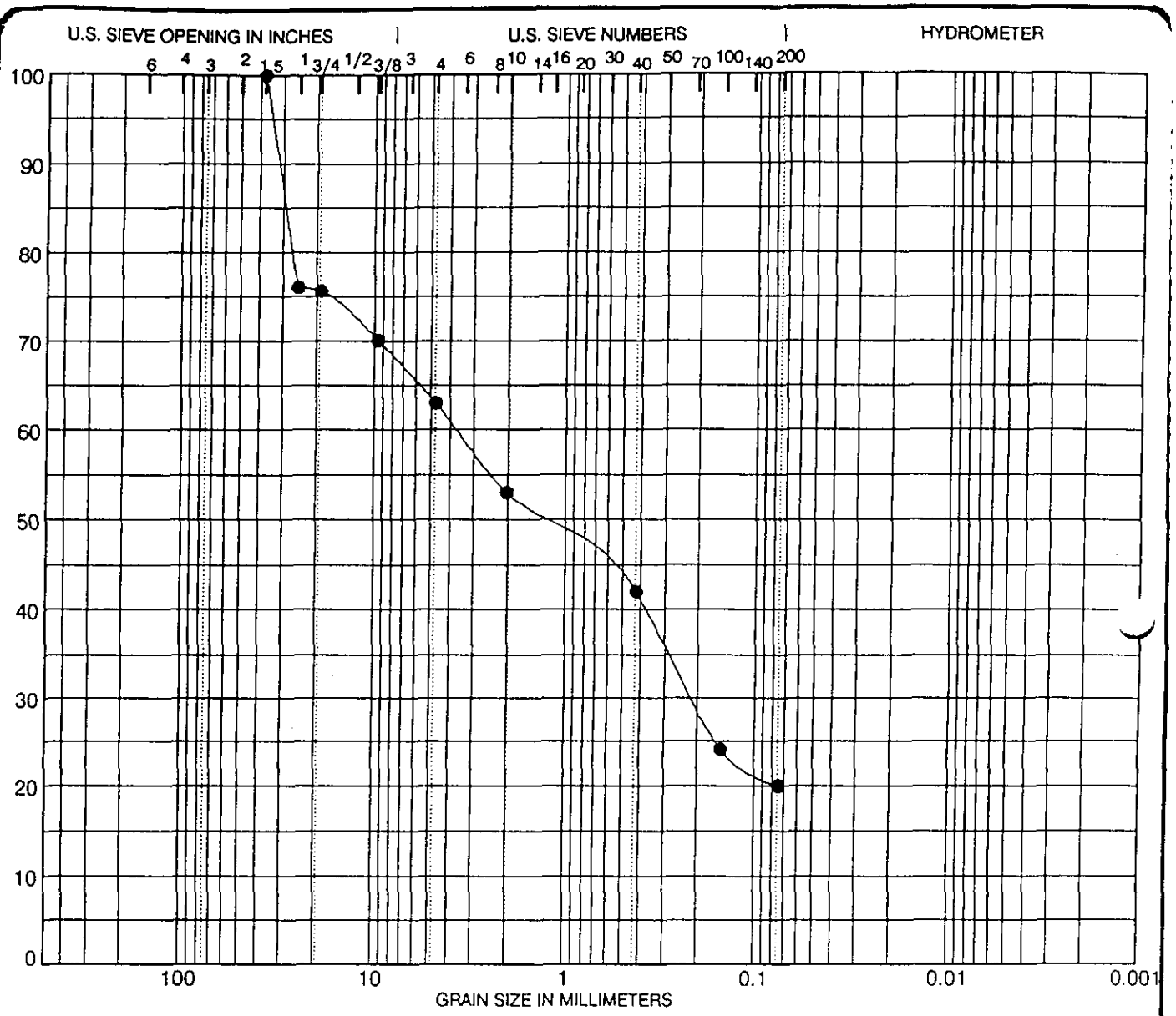
CAROL STREAM, IL 60188-2492
457 E. GUNDERSEN DRIVE
(708) 653-3920
FAX (708) 653-2726

BLOOMINGTON, IL 61704-8141
2911 GILL STREET, SUITE A1
(309) 662-2215
FAX (309) 662-2138

CARY, IL 60013-2978
209 CLEVELAND STREET, UNIT C
(708) 516-0505
FAX (708) 516-0527

GURNEE, IL 60031-5906
401 RIVERSIDE DRIVE, UNIT 10
(708) 249-6040
FAX (708) 249-6042

TINLEY PARK, IL 60477-1755
16646 S. OAK PARK AVENUE
(708) 429-2080
FAX (708) 429-2144




| COBBLES | GRAVEL | | SAND | | | ASTM D 422 |
|---|---|---|---|---|---|---|
| | coarse | fine | coarse | medium | fine | |

| SPECIMEN IDENTIFICATION | SIEVE | % PASS | SPECIFIED PERCENT PASSING |
|---|---|---|---|
| G 133 D | 3" | 100 | |
| SS - 13 | 2" | 100 | |
| 24'- 26' | 1-1/2" | 100 | |
| | 1" | 76 | |
| NOTES: | 3/4" | 76 | |
| POROSITY (%): 24.9 | 3/8" | 70 | |
| | #4 | 63 | |
| | #10 | 53 | |
| | #40 | 42 | |
| | #100 | 24 | |
| | #200 | 20.0 | |

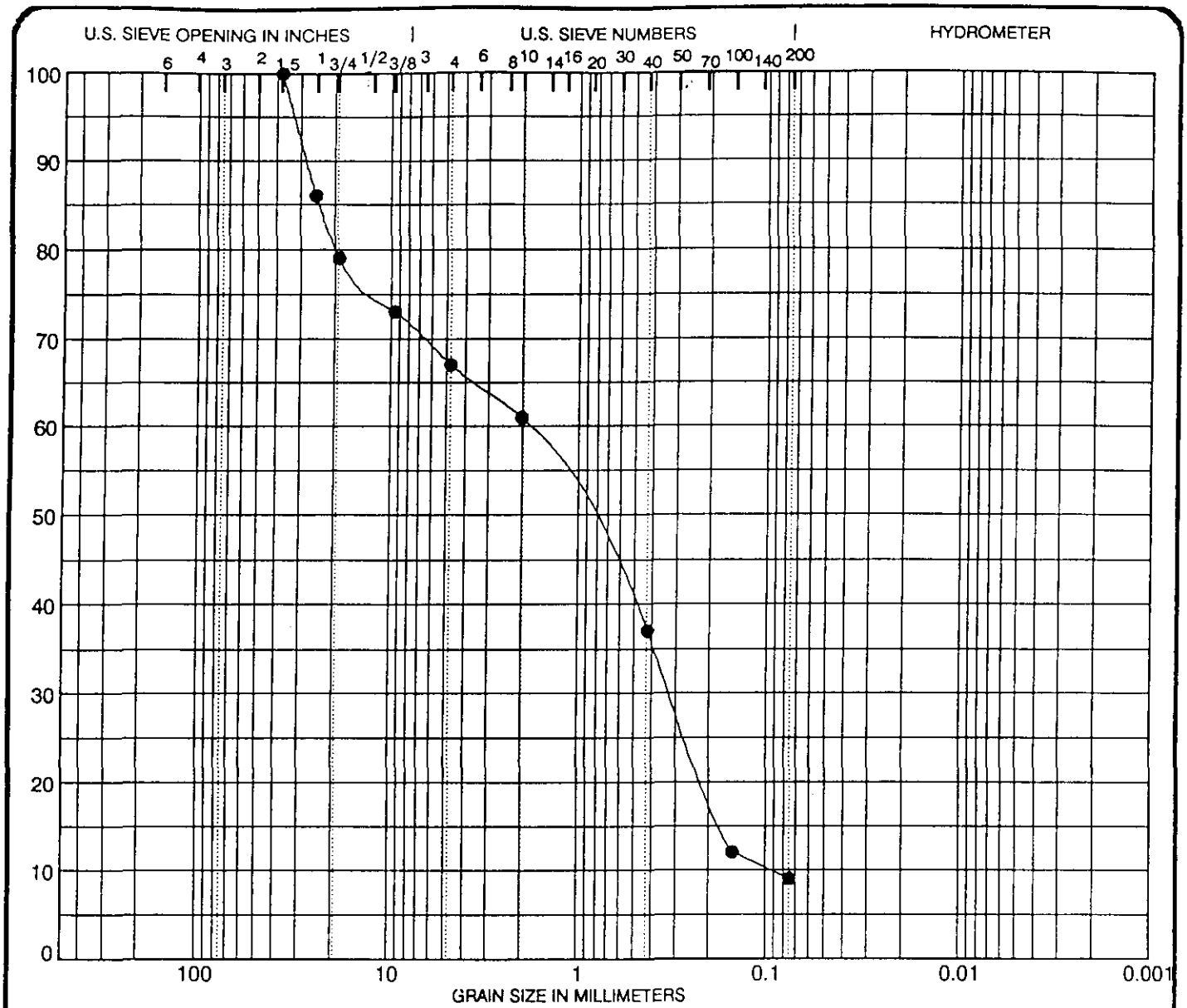
PROJECT **Pagel Landfill -**
LOCATION **Rockford, Illinois**

JOB NO. **L - 37,151**
DATE **April 27, 1995**

5

# GRADATION SHEET

**Testing Service Corporation**
Carol Stream Illinois




| COBBLES | GRAVEL | | SAND | | | ASTM D 422 |
|---|---|---|---|---|---|---|
| | coarse | fine | coarse | medium | fine | |

| SPECIMEN IDENTIFICATION | SIEVE | % PASS | SPECIFIED PERCENT PASSING |
|---|---|---|---|
| G 133 D | 3" | 100 | |
| SS - 22 | 2" | 100 | |
| 42'- 44' | 1-1/2" | 100 | |
| | 1" | 86 | |
| NOTES: | 3/4" | 79 | |
| POROSITY (%): 33.0 | 3/8" | 73 | |
| | #4 | 67 | |
| | #10 | 61 | |
| | #40 | 37 | |
| | #100 | 12 | |
| | #200 | 9.0 | |

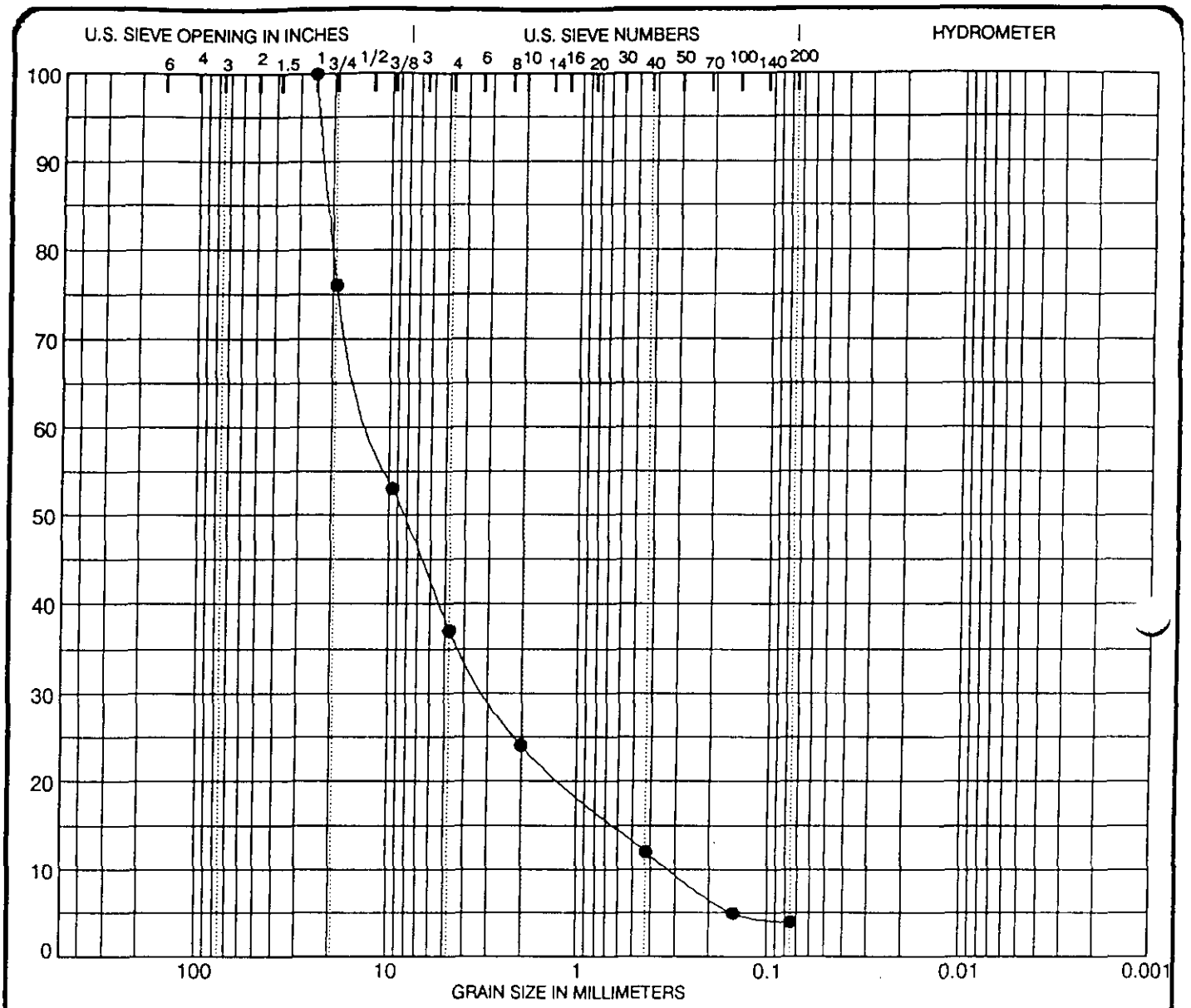
PROJECT **Pagel Landfill -**
LOCATION **Rockford, Illinois**

JOB NO. **L - 37,151**
DATE **April 27, 1995**

6

# GRADATION SHEET

**Testing Service Corporation**
Carol Stream Illinois




| COBBLES | GRAVEL | | SAND | | | ASTM D 422 |
|---|---|---|---|---|---|---|
| | coarse | fine | coarse | medium | fine | |

| SPECIMEN IDENTIFICATION | SIEVE | % PASS | SPECIFIED PERCENT PASSING |
|---|---|---|---|
| G 133 S | 3" | 100 | |
| SS - 3 | 2" | 100 | |
| 11'- 13' | 1-1/2" | 100 | |
| | 1" | 100 | |
| NOTES: | 3/4" | 76 | |
| POROSITY (%): Not Poss | 3/8" | 53 | |
| | #4 | 37 | |
| | #10 | 24 | |
| | #40 | 12 | |
| | #100 | 5 | |
| | #200 | 4.0 | |

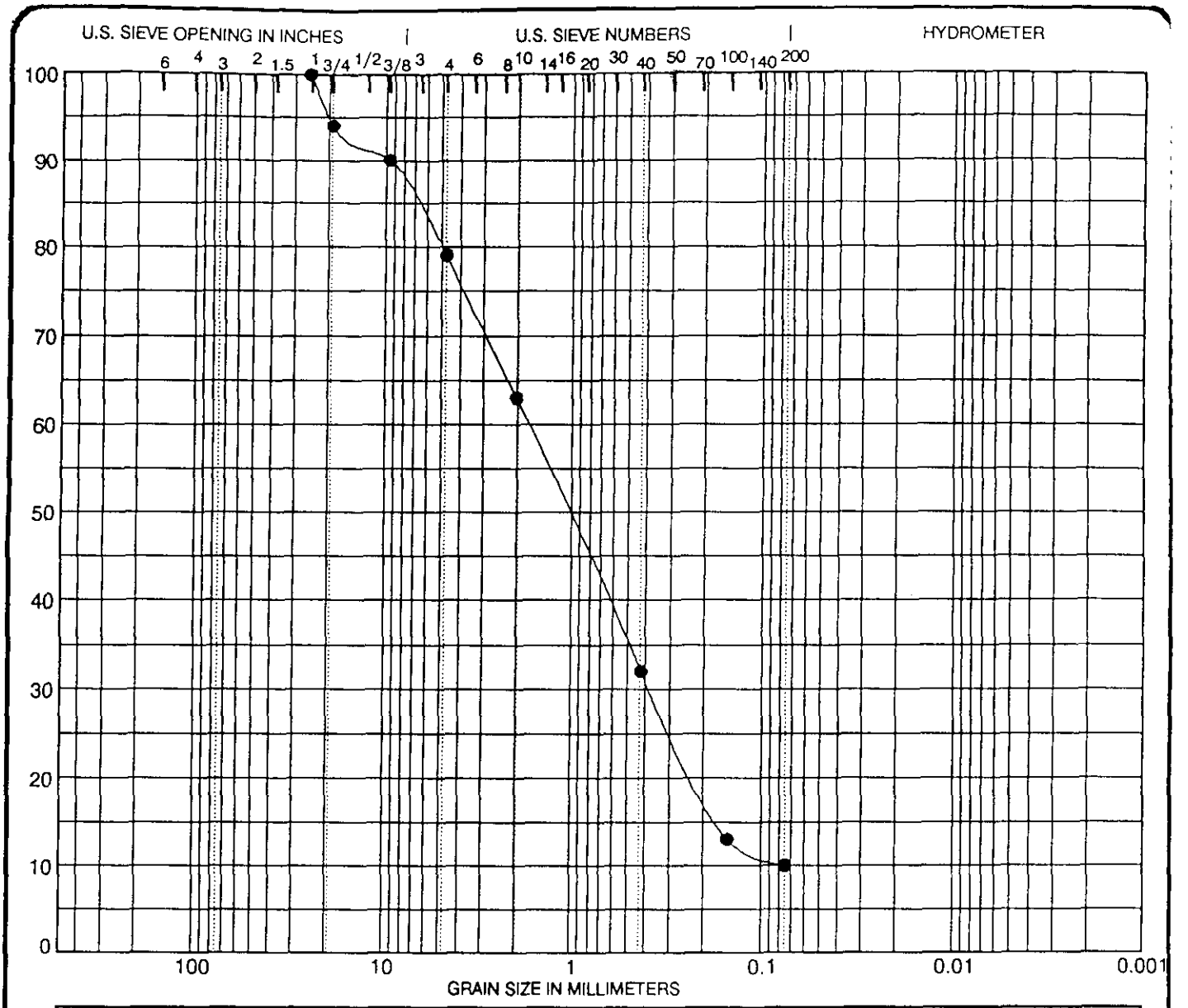
PROJECT **Pagel Landfill -**
LOCATION **Rockford, Illinois**

JOB NO. **L - 37,151**
DATE **April 27, 1995**

7

# GRADATION SHEET

**Testing Service Corporation**
Carol Stream Illinois




| COBBLES | GRAVEL | | SAND | | | ASTM D 422 |
|---|---|---|---|---|---|---|
| | coarse | fine | coarse | medium | fine | |

| SPECIMEN IDENTIFICATION | SIEVE | % PASS | SPECIFIED PERCENT PASSING |
|---|---|---|---|
| G 134 D | 3" | 100 | |
| SS - 28 | 2" | 100 | |
| 54'- 56' | 1-1/2" | 100 | |
| | 1" | 100 | |
| NOTES: | 3/4" | 94 | |
| POROSITY (%): 32.2 | 3/8" | 90 | |
| | #4 | 79 | |
| | #10 | 63 | |
| | #40 | 32 | |
| | #100 | 13 | |
| | #200 | 10.0 | |

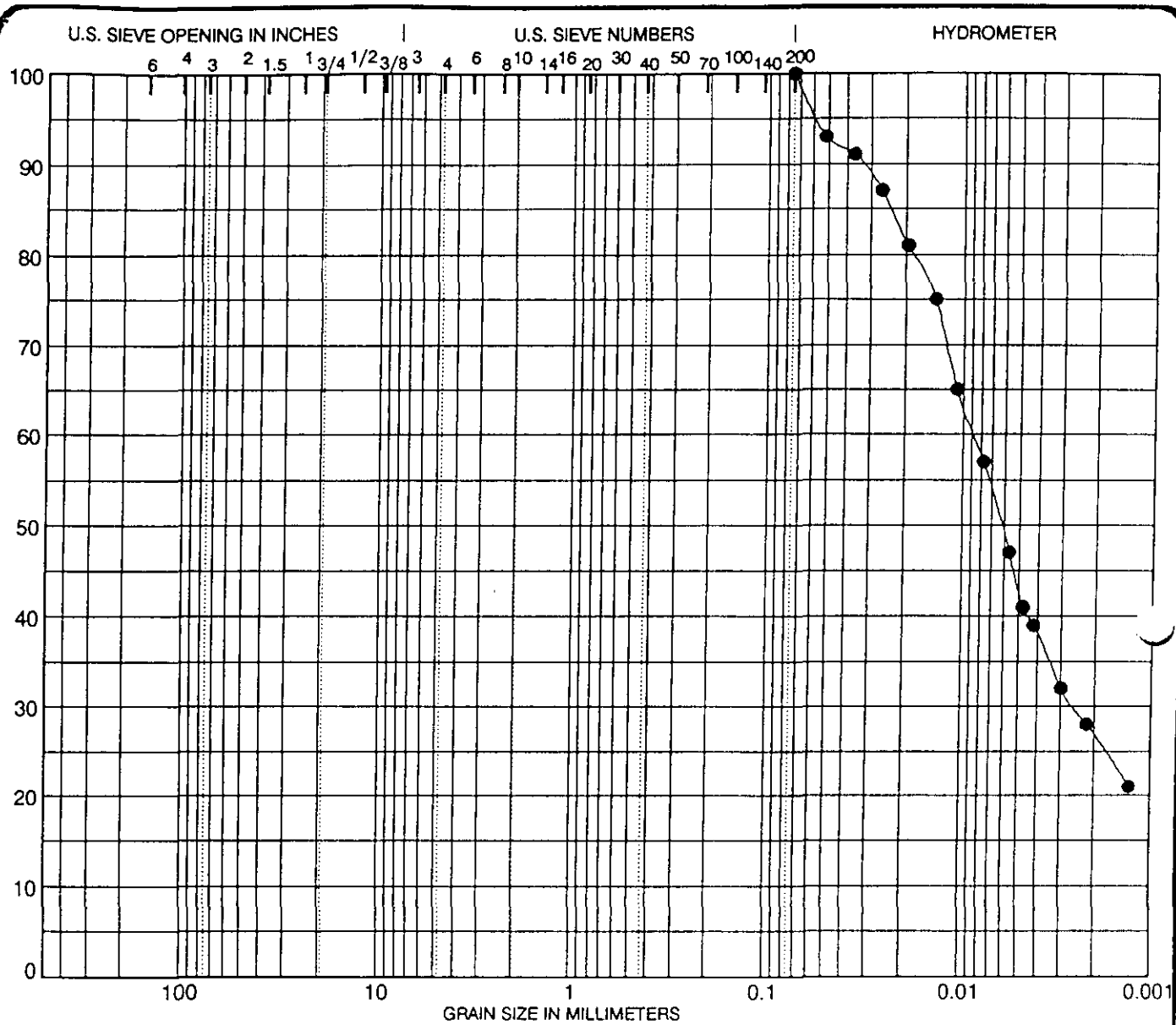
PROJECT **Pagel Landfill -**
LOCATION **Rockford, Illinois**

JOB NO. L - 37,151
DATE April 27, 1995

8

# GRADATION SHEET

**Testing Service Corporation**
Carol Stream Illinois




| COBBLES | GRAVEL | | SAND | | | ASTM D 422 |
|---|---|---|---|---|---|---|
| | coarse | fine | coarse | medium | fine | |

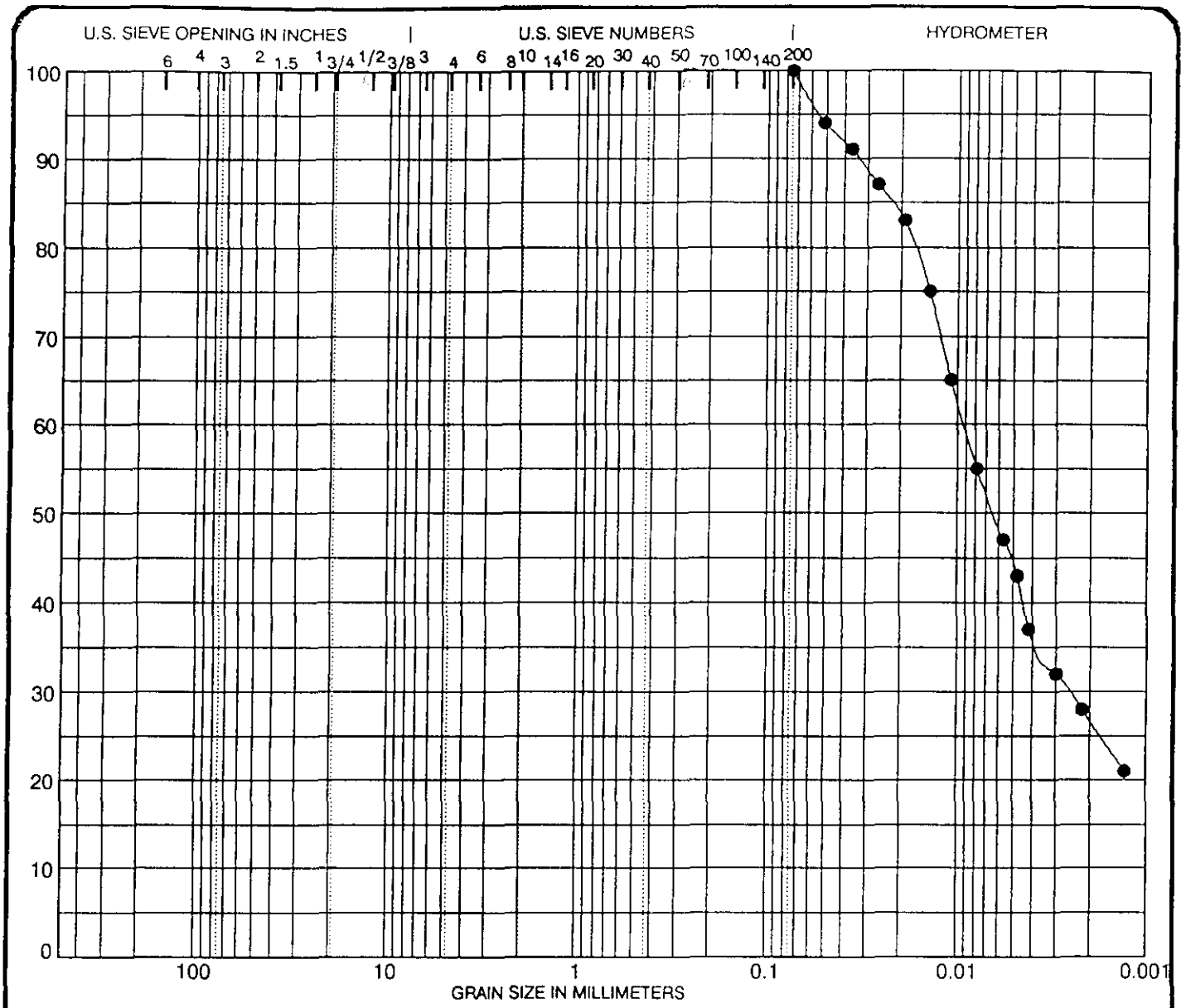
| SPECIMEN IDENTIFICATION | SIEVE | % PASS | SPECIFIED PERCENT PASSING |
|---|---|---|---|
| G 134 D | 3" | 100 | |
| ST - 1 | 2" | 100 | |
| 30'- 32' | 1-1/2" | 100 | |
| | 1" | 100 | |
| NOTES: | 3/4" | 100 | |
| POROSITY (%): 35.5 | 3/8" | 100 | |
| HORIZONTAL Kt (cm/sec): 1.6X10-6 | #4 | 100 | |
| VERTICAL Kt (cm/sec): 2.0X10-7 | #10 | 100 | |
| CEC (meg/100gm): 9.4 | #40 | 100 | |
| FOC (ppm): 507.2 | #100 | 100 | |
| | #200 | 100.0 | |

PROJECT **Pagel Landfill -**
LOCATION **Rockford, Illinois**

JOB NO. **L - 37,151**
DATE **April 27, 1995**

# GRADATION SHEET

**Testing Service Corporation**
Carol Stream Illinois




| COBBLES | GRAVEL | | SAND | | | ASTM D 422 |
|---|---|---|---|---|---|---|
| | coarse | fine | coarse | medium | fine | |

| SPECIMEN IDENTIFICATION | SIEVE | % PASS | SPECIFIED PERCENT PASSING |
|---|---|---|---|
| G 134 D | 3" | 100 | |
| ST - 2 | 2" | 100 | |
| 40'- 42' | 1-1/2" | 100 | |
| | 1" | 100 | |
| NOTES: | 3/4" | 100 | |
| POROSITY (%): 36.3 | 3/8" | 100 | |
| HORIZONTAL Kt (cm/sec): 1.6X10-7 | #4 | 100 | |
| VERTICAL Kt (cm/sec): 1.2X10-7 | #10 | 100 | |
| CEC (meg/100gm): 10.4 | #40 | 100 | |
| FOC (ppm): 657.7 | #100 | 100 | |
| | #200 | 100.0 | |

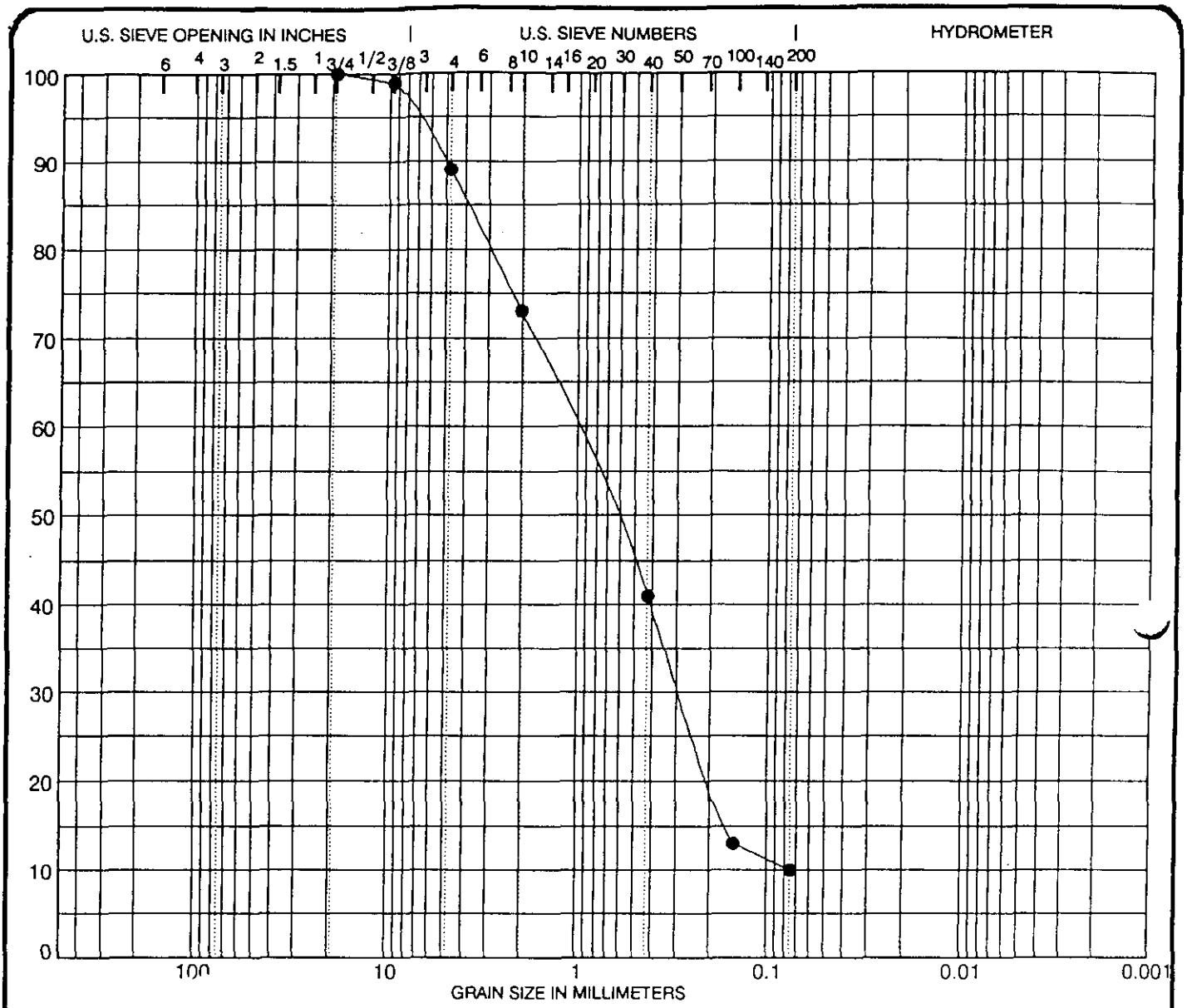
PROJECT **Pagel Landfill -**
LOCATION **Rockford, Illinois**

JOB NO. **L - 37,151**
DATE **April 27, 1995**

2

# GRADATION SHEET

**Testing Service Corporation**
Carol Stream Illinois




| COBBLES | GRAVEL | | SAND | | | ASTM D 422 |
|---|---|---|---|---|---|---|
| | coarse | fine | coarse | medium | fine | |

| SPECIMEN IDENTIFICATION | SIEVE | % PASS | SPECIFIED PERCENT PASSING |
|---|---|---|---|
| G 134 S | 3" | 100 | |
| SS - 3 | 2" | 100 | |
| 11'- 13' | 1-1/2" | 100 | |
| | 1" | 100 | |
| NOTES: | 3/4" | 100 | |
| POROSITY (%): 33.3 | 3/8" | 99 | |
| | #4 | 89 | |
| | #10 | 73 | |
| | #40 | 41 | |
| | #100 | 13 | |
| | #200 | 10.0 | |

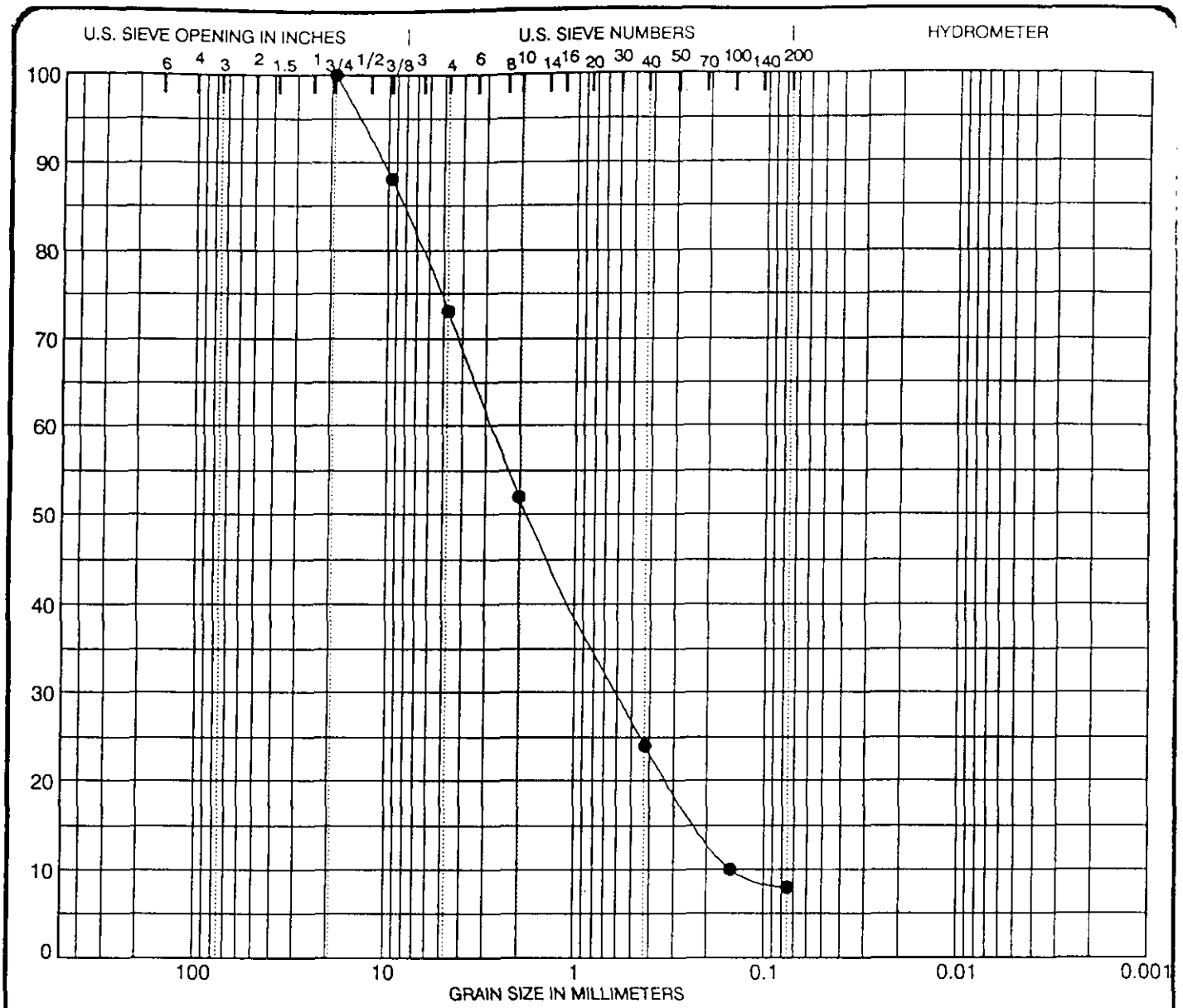
PROJECT **Pagel Landfill -**
LOCATION **Rockford, Illinois**

JOB NO. L - 37,151
DATE April 27, 1995

9

# GRADATION SHEET

**Testing Service Corporation**
Carol Stream Illinois




| COBBLES | GRAVEL | | SAND | | | ASTM D 422 |
|---|---|---|---|---|---|---|
| | coarse | fine | coarse | medium | fine | |

| SPECIMEN IDENTIFICATION | SIEVE | % PASS | SPECIFIED PERCENT PASSING |
|---|---|---|---|
| G 135 D | 3" | 100 | |
| SS - 13 | 2" | 100 | |
| 24'- 26' | 1-1/2" | 100 | |
| | 1" | 100 | |
| NOTES: | 3/4" | 100 | |
| POROSITY (%): 31.9 | 3/8" | 88 | |
| | #4 | 73 | |
| | #10 | 52 | |
| | #40 | 24 | |
| | #100 | 10 | |
| | #200 | 8.0 | |

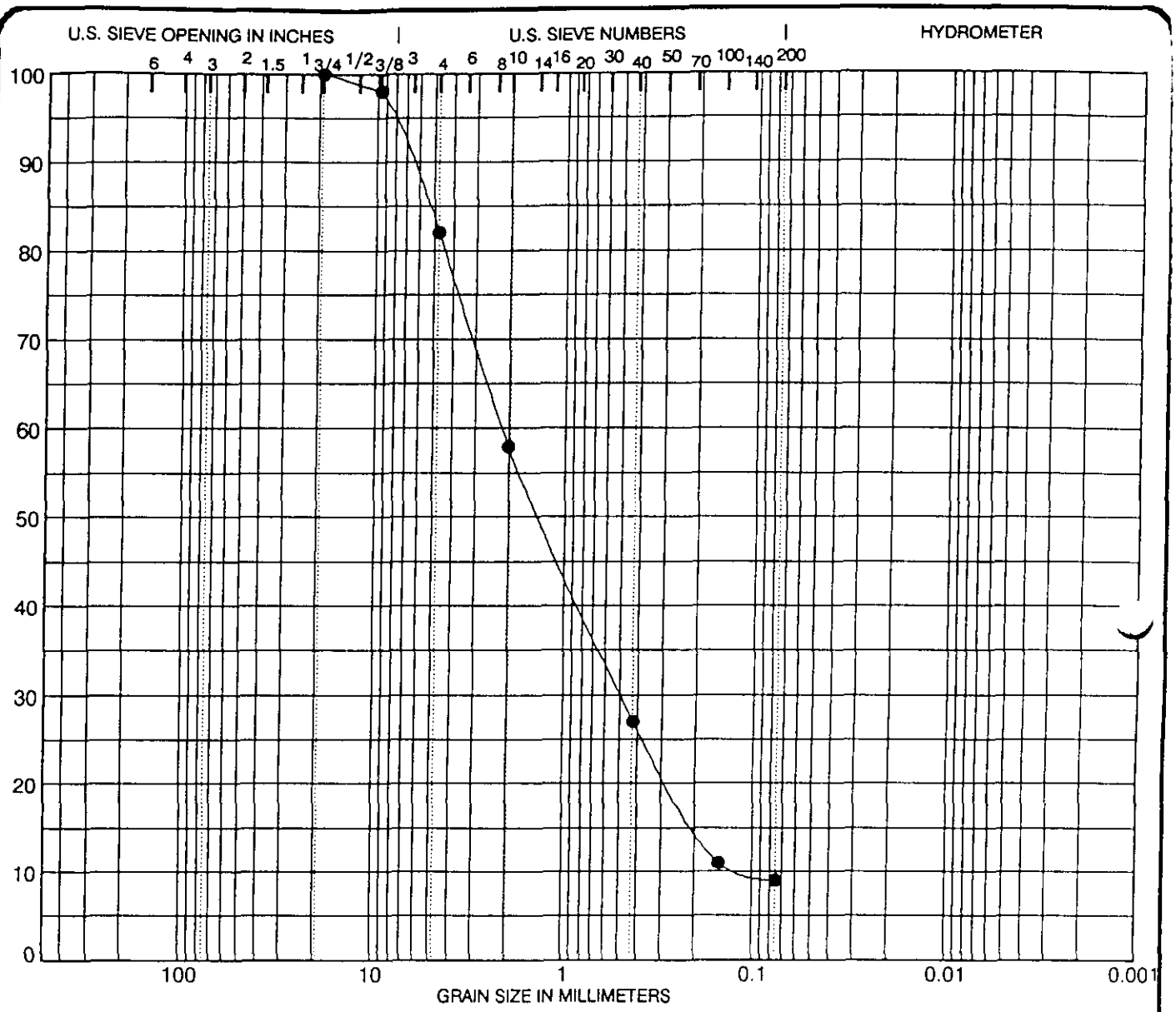
PROJECT Pagel Landfill - JOB NO. L - 37,151
LOCATION Rockford, Illinois DATE April 27, 1995

10

# GRADATION SHEET

**Testing Service Corporation**

Carol Stream Illinois




| COBBLES | GRAVEL | | SAND | | | ASTM D 422 |
|---|---|---|---|---|---|---|
| | coarse | fine | coarse | medium | fine | |

| SPECIMEN IDENTIFICATION | SIEVE | % PASS | SPECIFIED PERCENT PASSING |
|---|---|---|---|
| G 135 D | 3" | 100 | |
| SS - 22 | 2" | 100 | |
| 42'- 44' | 1-1/2" | 100 | |
| | 1" | 100 | |
| NOTES: | 3/4" | 100 | |
| POROSITY (%): 27.2 | 3/8" | 98 | |
| | #4 | 82 | |
| | #10 | 58 | |
| | #40 | 27 | |
| | #100 | 11 | |
| | #200 | 9.0 | |

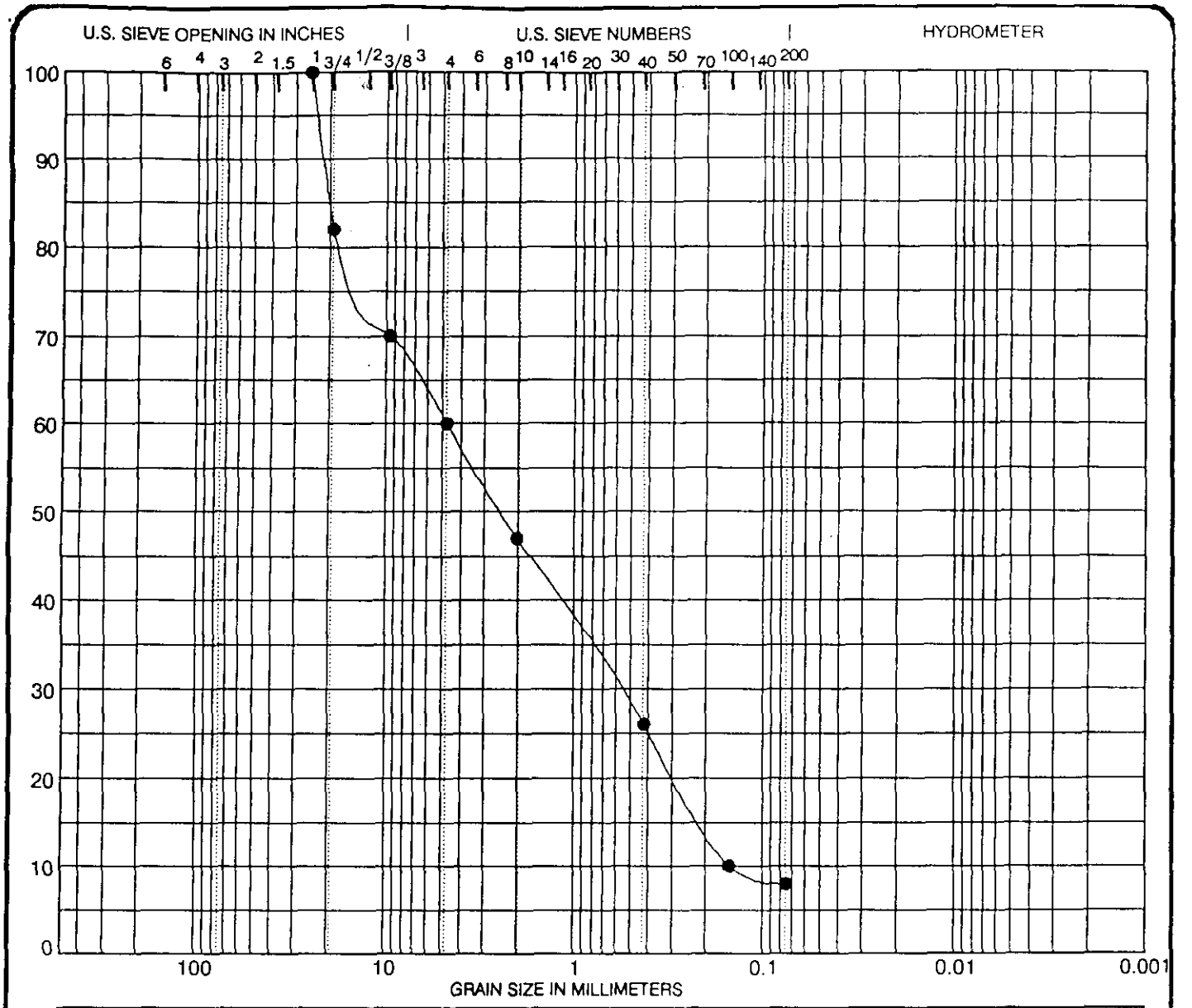
PROJECT **Pagel Landfill -**
LOCATION **Rockford, Illinois**

JOB NO. **L - 37,151**
DATE **April 27, 1995**

11

# GRADATION SHEET

**Testing Service Corporation**
Carol Stream Illinois




| COBBLES | GRAVEL | | SAND | | | ASTM D 422 |
|---|---|---|---|---|---|---|
| | coarse | fine | coarse | medium | fine | |

| SPECIMEN IDENTIFICATION | SIEVE | % PASS | SPECIFIED PERCENT PASSING |
|---|---|---|---|
| G 135 S | 3" | 100 | |
| SS - 3 | 2" | 100 | |
| 11'- 13' | 1-1/2" | 100 | |
| | 1" | 100 | |
| NOTES: | 3/4" | 82 | |
| POROSITY (%): 32.2 | 3/8" | 70 | |
| | #4 | 60 | |
| | #10 | 47 | |
| | #40 | 26 | |
| | #100 | 10 | |
| | #200 | 8.0 | |

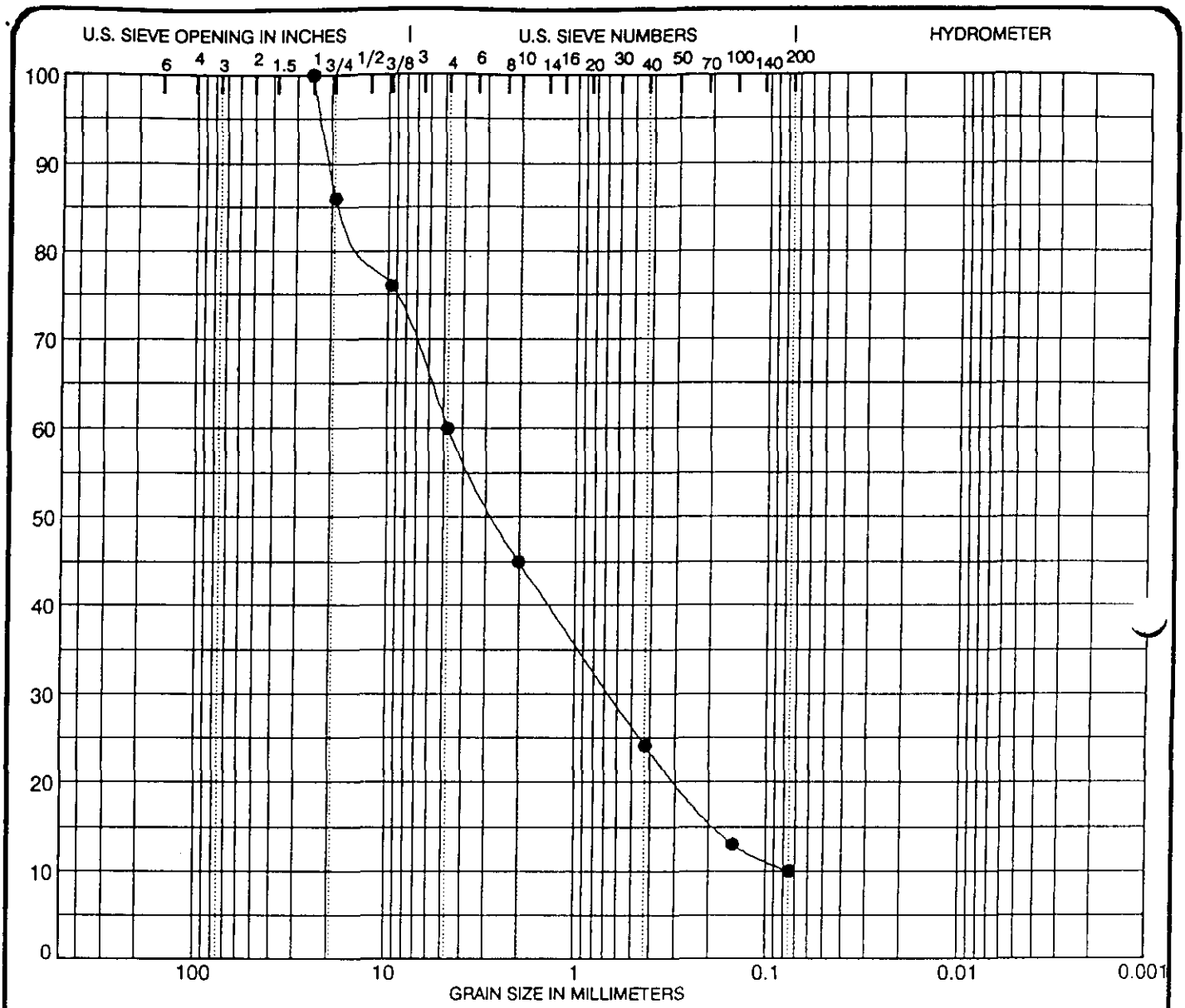
PROJECT Pagel Landfill -
LOCATION Rockford, Illinois

JOB NO. L - 37,151
DATE April 27, 1995

12

# GRADATION SHEET

**Testing Service Corporation**
Carol Stream Illinois




| COBBLES | GRAVEL | | SAND | | | ASTM D 422 |
|---|---|---|---|---|---|---|
| | coarse | fine | coarse | medium | fine | |

| SPECIMEN IDENTIFICATION | SIEVE | % PASS | SPECIFIED PERCENT PASSING |
|---|---|---|---|
| G 136 D | 3" | 100 | |
| SS - 7 | 2" | 100 | |
| 12'- 14' | 1-1/2" | 100 | |
| | 1" | 100 | |
| NOTES: | 3/4" | 86 | |
| POROSITY (%): 25.5 | 3/8" | 76 | |
| | #4 | 60 | |
| | #10 | 45 | |
| | #40 | 24 | |
| | #100 | 13 | |
| | #200 | 10.0 | |

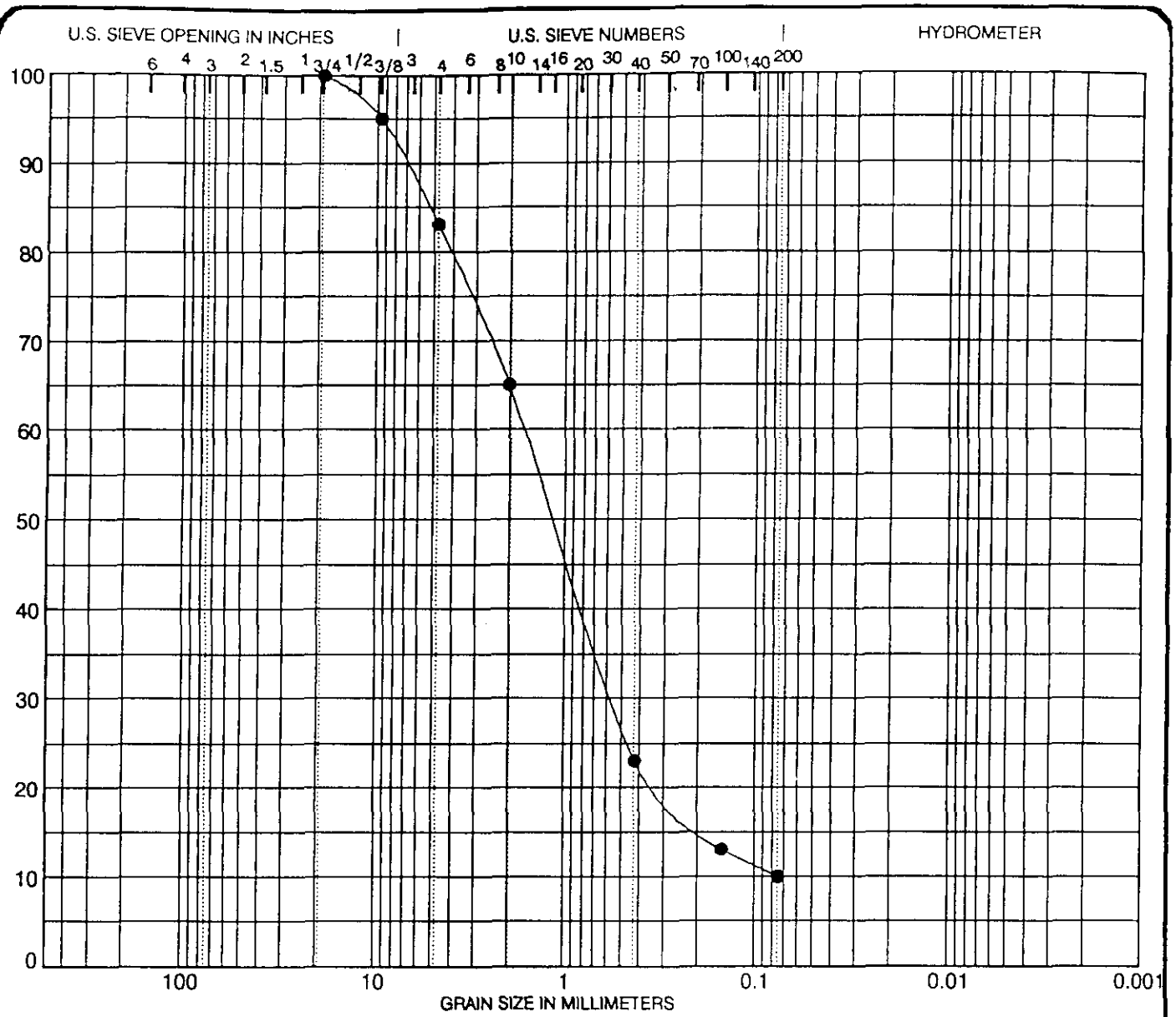
PROJECT **Pagel Landfill -**
LOCATION **Rockford, Illinois**

JOB NO. L - 37,151
DATE April 27, 1995

13

# GRADATION SHEET

**Testing Service Corporation**
Carol Stream Illinois




| COBBLES | GRAVEL | | SAND | | | ASTM D 422 |
|---|---|---|---|---|---|---|
| | coarse | fine | coarse | medium | fine | |

| SPECIMEN IDENTIFICATION | SIEVE | % PASS | SPECIFIED PERCENT PASSING |
|---|---|---|---|
| G 136 D | 3" | 100 | |
| SS - 16 | 2" | 100 | |
| 30'- 32' | 1-1/2" | 100 | |
| | 1" | 100 | |
| NOTES: | 3/4" | 100 | |
| POROSITY (%): 30.4 | 3/8" | 95 | |
| | #4 | 83 | |
| | #10 | 65 | |
| | #40 | 23 | |
| | #100 | 13 | |
| | #200 | 10.0 | |

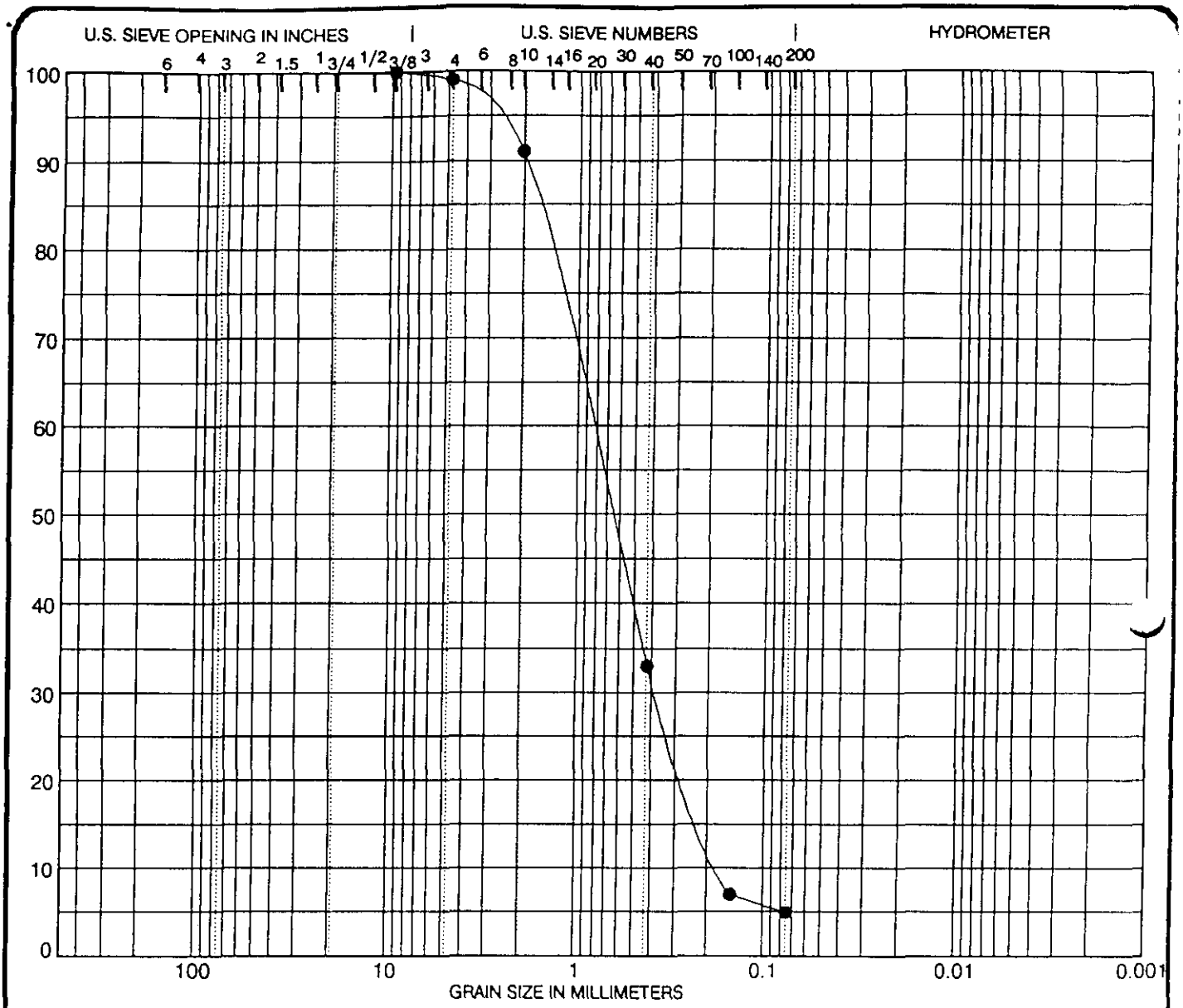
PROJECT **Pagel Landfill -**
LOCATION **Rockford, Illinois**

JOB NO. L - 37,151
DATE April 27, 1995

14

# GRADATION SHEET

**Testing Service Corporation**
Carol Stream Illinois




| COBBLES | GRAVEL | | SAND | | | ASTM D 422 |
|---|---|---|---|---|---|---|
| | coarse | fine | coarse | medium | fine | |

| SPECIMEN IDENTIFICATION | SIEVE | % PASS | SPECIFIED PERCENT PASSING |
|---|---|---|---|
| G 137 D | 3" | 100 | |
| SS - 2 | 2" | 100 | |
| 11'- 13' | 1-1/2" | 100 | |
| | 1" | 100 | |
| NOTES: | 3/4" | 100 | |
| POROSITY (%): 35.4 | 3/8" | 100 | |
| | #4 | 99 | |
| | #10 | 91 | |
| | #40 | 33 | |
| | #100 | 7 | |
| | #200 | 5.0 | |

PROJECT Pagel Landfill -
LOCATION Rockford, Illinois

JOB NO. L - 37,151
DATE April 27, 1995

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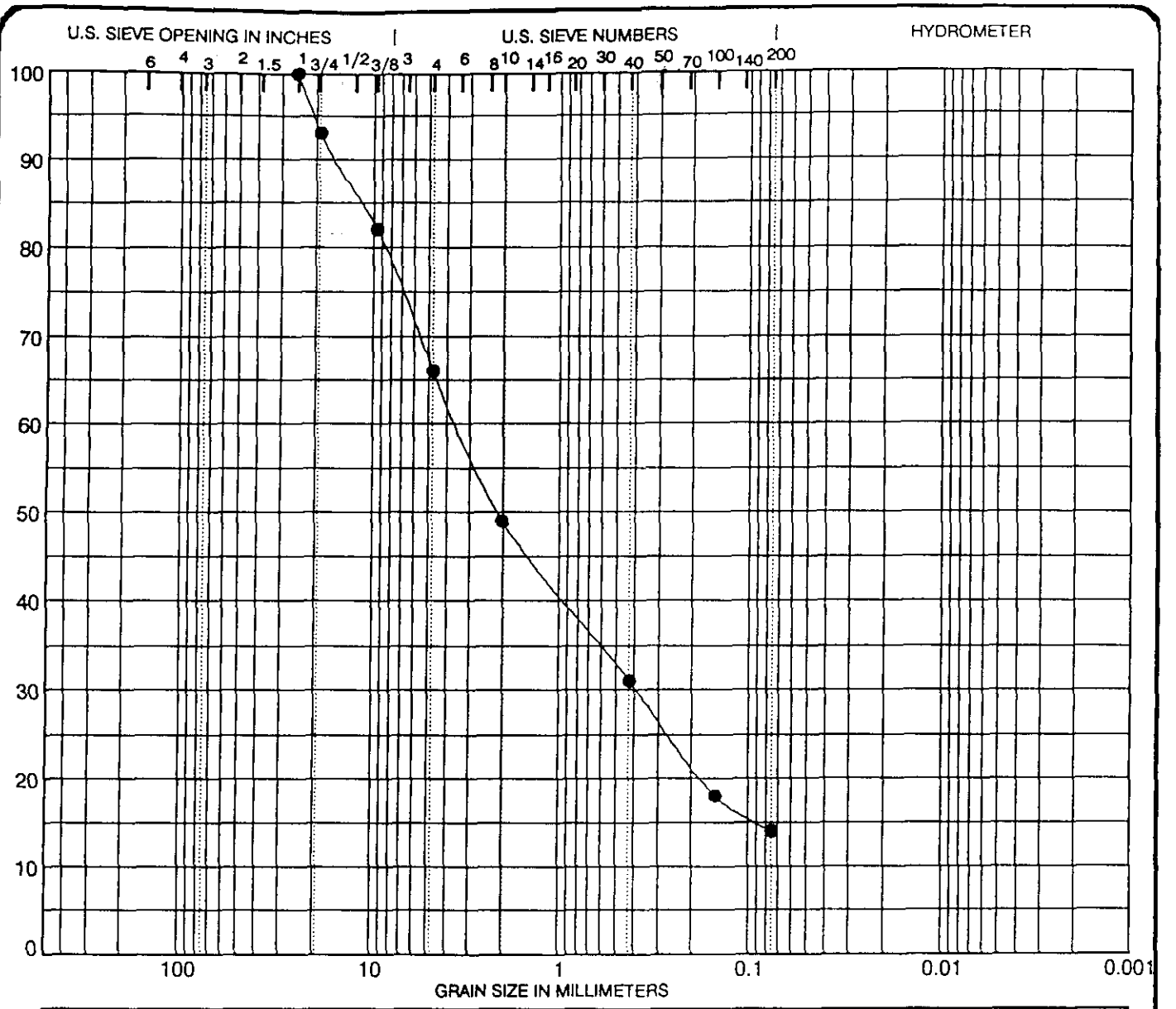
# GRADATION SHEET

**Testing Service Corporation**

Carol Stream Illinois




| COBBLES | GRAVEL | | SAND | | | ASTM D 422 |
|---|---|---|---|---|---|---|
| | coarse | fine | coarse | medium | fine | |

| SPECIMEN IDENTIFICATION | SIEVE | % PASS | SPECIFIED PERCENT PASSING |
|---|---|---|---|
| G 137 D | 3" | 100 | |
| SS - 38 | 2" | 100 | |
| 74' - 76' | 1-1/2" | 100 | |
| | 1" | 100 | |
| NOTES: | 3/4" | 93 | |
| POROSITY (%): 28.9 | 3/8" | 82 | |
| | #4 | 66 | |
| | #10 | 49 | |
| | #40 | 31 | |
| | #100 | 18 | |
| | #200 | 14.0 | |

PROJECT **Pagel Landfill -**
LOCATION **Rockford, Illinois**

JOB NO. L - 37,151
DATE April 27, 1995

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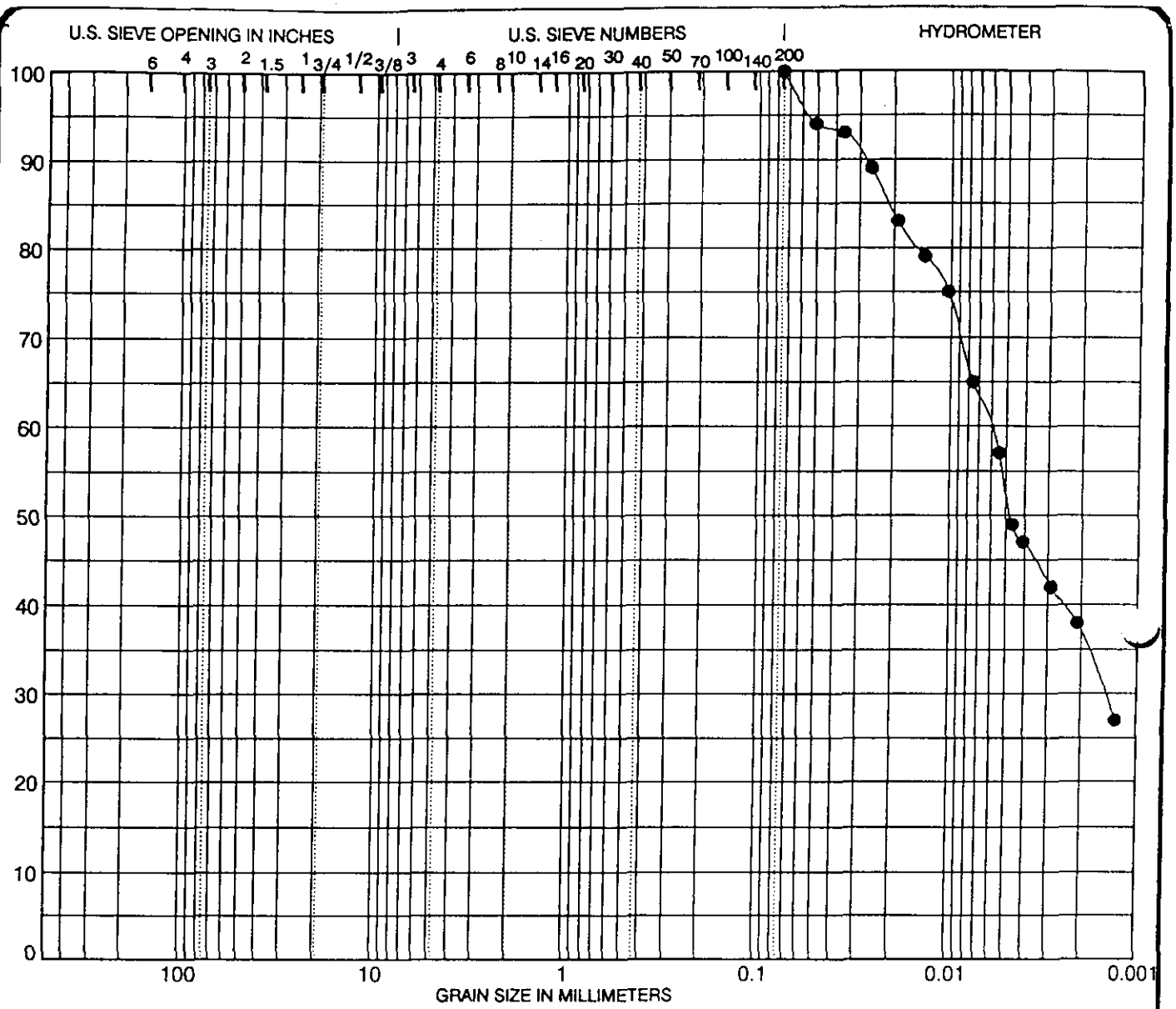
# GRADATION SHEET

**Testing Service Corporation**
Carol Stream Illinois




| COBBLES | GRAVEL | | SAND | | | ASTM D 422 |
|---|---|---|---|---|---|---|
| | coarse | fine | coarse | medium | fine | |

| SPECIMEN IDENTIFICATION | SIEVE | % PASS | SPECIFIED PERCENT PASSING |
|---|---|---|---|
| G 137 D | 3" | 100 | |
| ST - 21 | 2" | 100 | |
| 40'- 42' | 1-1/2" | 100 | |
| | 1" | 100 | |
| NOTES: | 3/4" | 100 | |
| POROSITY (%): 36.5 | 3/8" | 100 | |
| HORIZONTAL Kt (cm/sec): 2.0X10-7 | #4 | 100 | |
| VERTICAL Kt (cm/sec): 9.8X10-8 | #10 | 100 | |
| CEC (meg/100gm): 12.2 | #40 | 100 | |
| FOC (ppm): 515.6 | #100 | 100 | |
| | #200 | 100.0 | |

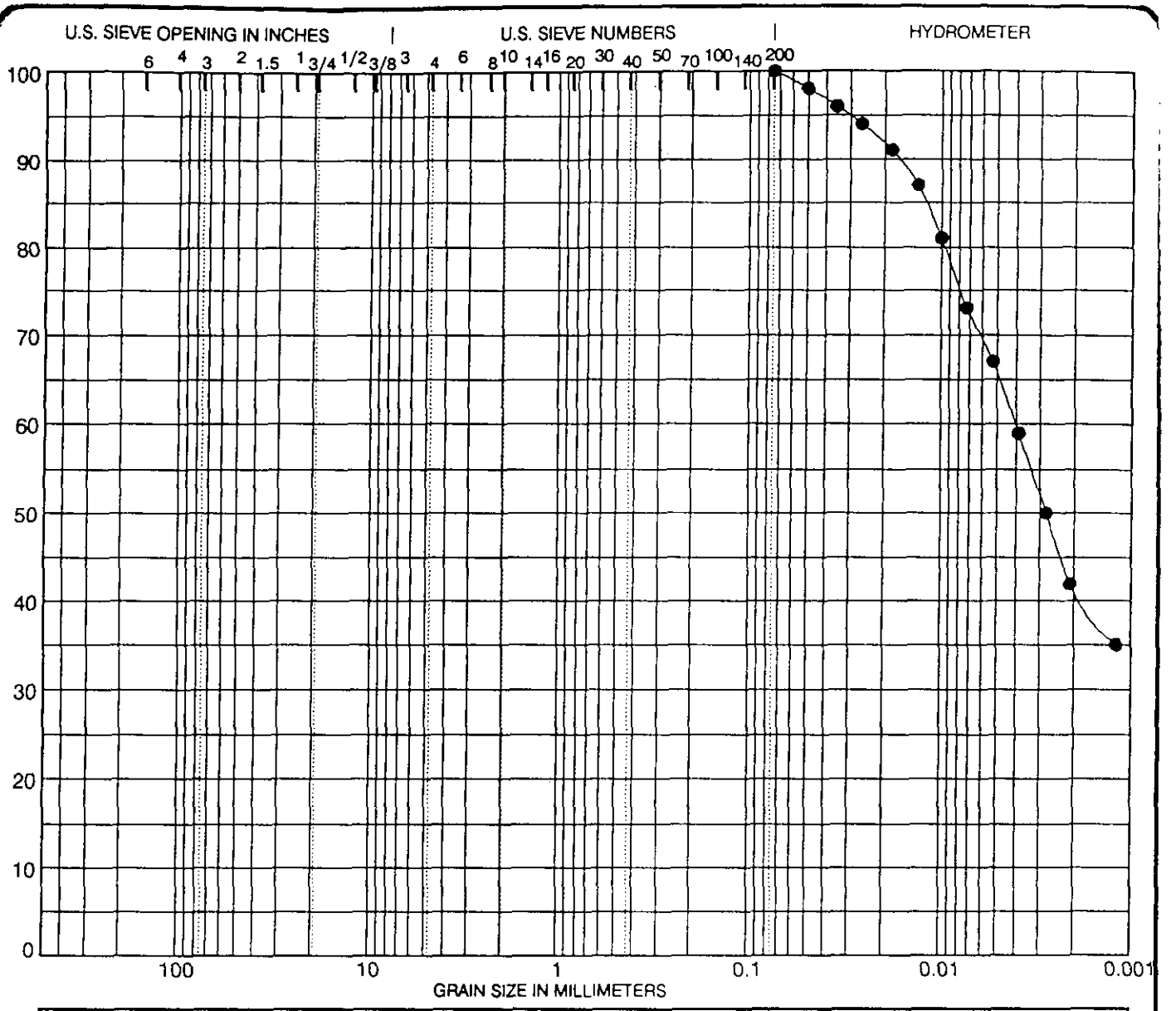
PROJECT Pagel Landfill - JOB NO. L - 37,151
LOCATION Rockford, Illinois DATE April 27, 1995

3

# GRADATION SHEET

**Testing Service Corporation**

Carol Stream Illinois




| COBBLES | GRAVEL | | SAND | | | ASTM D 422 |
|---|---|---|---|---|---|---|
| | coarse | fine | coarse | medium | fine | |

| SPECIMEN IDENTIFICATION | SIEVE | % PASS | SPECIFIED PERCENT PASSING |
|---|---|---|---|
| G 137 D | 3" | 100 | |
| ST - 22 | 2" | 100 | |
| 42'- 44' | 1-1/2" | 100 | |
| | 1" | 100 | |
| NOTES: | 3/4" | 100 | |
| POROSITY (%): 34.6 | 3/8" | 100 | |
| HORIZONTAL Kt (cm/sec): 1.3X10-7 | #4 | 100 | |
| VERTICAL Kt (cm/sec): 3.2X10-7 | #10 | 100 | |
| | #40 | 100 | |
| | #100 | 100 | |
| | #200 | 100.0 | |

PROJECT Pagel Landfill -
LOCATION Rockford, Illinois

JOB NO. L - 37,151
DATE April 27, 1995

4

# GRADATION SHEET

**Testing Service Corporation**

Carol Stream Illinois

NATIONAL ENVIRONMENTAL TESTING, INC.

Rockford Division
3548 35th Street
Rockford, IL 61109
Tel: (815) 874-2171
Fax: (815) 874-5622
(800) 807-2877

# ANALYTICAL REPORT

Mr. Tom Hilbert
WINNEBAGO RECLAMTAION SERV
8403 Lindenwood Road
Rockford, IL 61109

03/29/1995

NET Job Number: 95.00917

IEPA Cert. No. 100220
WDNR Cert. No. 999447240

Enclosed is the Analytical and Quality Control reports for the following samples submitted to the Rockford Division of NET, Inc. for analysis:

| Sample Number | Sample Description | Date Taken | Date Received |
|---|---|---|---|
| 151218 | G133D-21, Soil | | 03/22/1995 |
| 151219 | G133S-2, Soil | | 03/22/1995 |
| 151220 | G134D-29, Soil | | 03/22/1995 |
| 151221 | G134S-4, Soil | | 03/22/1995 |
| 151222 | G135D-23, Soil | | 03/22/1995 |
| 151223 | G135S-4, Soil | | 03/22/1995 |
| 151224 | G136D-17, Soil | | 03/22/1995 |
| 151225 | G137D-39, Soil | | 03/22/1995 |
| 151226 | G137S-3, Soil | | 03/22/1995 |

The Quality Control report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

National Environmental Testing, Inc. certifies that the analytical results contained herein apply only to the specific samples analyzed.

Reproduction of this analytical report is permitted only in its entirety.

Roline Milne

Roline Milne, Project Coordinator
Rockford Division

NATIONAL ENVIRONMENTAL TESTING, INC.

Rockford Division
3548 35th Street
Rockford, IL 61109
Tel: (815) 874-2171
Fax: (815) 874-5622
(800) 307-2877

# ANALYTICAL REPORT

Mr. Tom Hilbert
WINNEBAGO RECLAMTAION SERV
8403 Lindenwood Road
Rockford, IL 61109

03/29/1995

NET Job Number: 95.00917

Client Project ID: Pagel Landfill

| Analyte | Result | Flag | Units | Reporting Limit | Date Analyzed | Analyst Initials | Prep Batch No. | Run Batch No. | Method Reference |
|---|---|---|---|---|---|---|---|---|---|
| SAMPLE NO. 151218 | SAMPLE DESCRIPTION G133D-21, Soil | | | | | | | | DATE-TIME TAKEN |
| Total Organic Carbon (TOC) | 46.6 | WET | mg/kg | <10 | 03/29/1995 | jlc | | 50 | 415.1 (3) |
| SAMPLE NO. 151219 | SAMPLE DESCRIPTION G133S-2, Soil | | | | | | | | DATE-TIME TAKEN |
| Total Organic Carbon (TOC) | 192 | WET | mg/kg | <10 | 03/29/1995 | jlc | | 50 | 415.1 (3) |
| SAMPLE NO. 151220 | SAMPLE DESCRIPTION G134D-29, Soil | | | | | | | | DATE-TIME TAKEN |
| Total Organic Carbon (TOC) | 39.7 | WET | mg/kg | <10 | 03/29/1995 | jlc | | 50 | 415.1 (3) |

WET: Reported on wet weight basis for all parameter(s) for this test.

NATIONAL ENVIRONMENTAL TESTING, INC.

Rockford Division
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# ANALYTICAL REPORT

Mr. Tom Hilbert
WINNEBAGO RECLAMTAION SERV
8403 Lindenwood Road
Rockford, IL 61109

03/29/1995

NET Job Number: 95.00917

Client Project ID: Pagel Landfill

| Analyte | Result | Flag | Units | Reporting Limit | Date Analyzed | Analyst Initials | Prep Batch No. | Run Batch No. | Method Reference |
|---|---|---|---|---|---|---|---|---|---|
| SAMPLE NO. 151221 | SAMPLE DESCRIPTION G134S-4, Soil | | | | | | | | DATE-TIME TAKEN |
| Total Organic Carbon (TOC) | 47.4 | WET | mg/kg | <10 | 03/29/1995 | jlc | | 50 | 415.1 (3) |
| SAMPLE NO. 151222 | SAMPLE DESCRIPTION G135D-23, Soil | | | | | | | | DATE-TIME TAKEN |
| Total Organic Carbon (TOC) | 68.4 | WET | mg/kg | <10 | 03/29/1995 | jlc | | 50 | 415.1 (3) |
| SAMPLE NO. 151223 | SAMPLE DESCRIPTION G135S-4, Soil | | | | | | | | DATE-TIME TAKEN |
| Total Organic Carbon (TOC) | 57.3 | WET | mg/kg | <10 | 03/29/1995 | jlc | | 50 | 415.1 (3) |

WET: Reported on wet weight basis for all parameter(s) for this test.

NATIONAL ENVIRONMENTAL TESTING, INC.

Rockford Division
3548 35th Street
Rockford, IL 61109
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# ANALYTICAL REPORT

Mr. Tom Hilbert
WINNEBAGO RECLAMTAION SERV
8403 Lindenwood Road
Rockford, IL 61109

03/29/1995

NET Job Number: 95.00917

Client Project ID: Pagel Landfill

| Analyte | Result | Flag | Units | Reporting Limit | Date Analyzed | Analyst Initials | Prep Batch No. | Run Batch No. | Method Reference |
|---|---|---|---|---|---|---|---|---|---|
| SAMPLE NO. 151224 — SAMPLE DESCRIPTION G136D-17, Soil — DATE-TIME TAKEN | | | | | | | | | |
| Total Organic Carbon (TOC) | 4.9 | WET | mg/kg | <10 | 03/29/1995 | jlc | | 50 | 415.1 (3) |
| SAMPLE NO. 151225 — SAMPLE DESCRIPTION G137D-39, Soil — DATE-TIME TAKEN | | | | | | | | | |
| Total Organic Carbon (TOC) | 44.2 | WET | mg/kg | <10 | 03/29/1995 | jlc | | 50 | 415.1 (3) |
| SAMPLE NO. 151226 — SAMPLE DESCRIPTION G137S-3, Soil — DATE-TIME TAKEN | | | | | | | | | |
| Total Organic Carbon (TOC) | 74.4 | WET | mg/kg | <10 | 03/29/1995 | jlc | | 50 | 415.1 (3) |

WET: Reported on wet weight basis for all parameter(s) for this test.

NATIONAL ENVIRONMENTAL TESTING, INC.

Rockford Division
3548 35th Street
Rockford, IL 61109
Tel: (815) 874-2171
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# METHOD REFERENCES

The abbreviations and references listed below have been adopted by NET as standard conventions and are used throughout this report:

(1) Method reference from EPA SW-846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods."

(2) Method reference from ASTM, "American Society for Testing Materials."

(3) Method reference from EPA "Methods for Chemical Analysis of Waters and Wastes."

(4) Method reference from "Standard Methods for the Examination of Water and Wastewater."

(5) Method reference from EPA "Methods for the Determination of Organic Compounds in Drinking Water."

(6) EPA 40 CFR, Part 763 Appendix A to Subpart F - PLM

(7) "Orion Guide to Water and Wastewater Analysis." Form WeWWG/5880

(8) Internal Method

(9) SIM = Selective Ion Monitoring

# APPENDIX B

# APPENDIX B

Laboratory Report of Analytical Results
for March 1995 Groundwater Sampling
to Determine Groundwater Management Zone

**MONTGOMERY WATSON**
**Analytical Testing Services**

June 29, 1995

Mr. Thomas Hilbert
Enviromental Engineer
Winnebago Reclamation
8403 Lindenwood Road
Rockford, Illinois 61109

Re: Winnebago Reclamation
Program 2
Sampled February 1994

Dear Mr. Hilbert:

Enclosed are two copies of the reissued analytical results and chain-of-custody for the samples collected February 22 and 23, 1994. Please feel free to call if you have any questions.

Sincerely,

MONTGOMERY WATSON
Analytical Testing Services

Sheila M. Tauschek/aaw

Sheila M. Tauschek
Project Manager

Enclosures: As Stated

cc: S. Tauschek

SMT/kak/GLG
G:\DMGMT\LETTERS\41220031.DOC
L8140

University Research Park
One Science Court
Madison, Wisconsin

Tel: 608 231 4747
Fax: 608 231 4777

IEA
An Aquarion Company

## Definitions of Data Qualifiers and Terminology

There are a number of data qualifiers that are widely used within the environmental testing industry which may be utilized in our data reports. The following definitions of these qualifiers are included as a service to our clientele. The majority of the qualifiers have evolved from the EPA contract laboratory program (CLP) therefore, they may or may not be appropriate for the particular testing that you have requested. If your work did not involve CLP type analyses, only a few of these items may apply to your particular report.

A - This flag is utilized to indicate that a tentatively identified compound (TIC) is a suspected aldol-condensation product formed during sample processing and caution should be applied in interpreting these results.

B - This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates possible/probable blank contamination and warns the data user to use caution when applying the results of this analyte.

BQL - Below quantitation limit indicates the compound was not detected in the sample above the practial quantitation limit.

C - Indicates that a pesticide identification has been confirmed utilizing GC/MS techniques.

D - Indicates the sample extract was diluted by the factor listed due to the sample matrix and/or concentration levels. All method detection limits or practical quantitation limits for the particular sample are therefore increased by this dilution factor.

E - Indicates that the concentration of the specific compound exceeded the calibration range of the instrument for that particular analysis.

J - Indicates an estimated value. It indicates that the compound was analyzed for and determined to be present in the sample. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the mass spectral data indicate the presence of a compound that meet the identification criteria but the result is less than the sample quantitation limit but greater than zero.

MDL - The method detection limit (MDL) is defined as the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero.

ND - Indicates the compound or analyte was not detected in the sample above the method detection limit or the practical quantitation limit for the particular analysis.

PQL - The practical quantitation limit is the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine operating conditions.

U - Indicates the compound was analyzed for but not detected in the sample above the applicable quantitation limit.

IEA
An Aquarion Company

Client: WARZYN
IEA Job#: CH940266
Project #: 55006602

VOLATILE ORGANIC COMPOUNDS
PROGRAM #1, LIST 3A
ug / L

Matrix: Water
Method: 8260

| Dilution Factor (DF) | 4 | 1 | 1 | 1 | 1 | |
|---|---|---|---|---|---|---|
| Method Blank | VW0308 | VW0308 | VW0308 | VW0308 | VW0308 | |
| Client ID | G 113 A | G 113 | G 109 | G 109 A | B 13 | PQL |
| Analyte Lab ID | 40266 001 | 40266 002 | 40266 003 | 40266 004 | 40266 005 | |
| Acetone | UD | U | U | U | U | 10 |
| Acrolein | UD | U | U | U | U | 25 |
| Acrylonitrile | UD | U | U | U | U | 10 |
| Benzene | UD | U | U | U | U | 5 |
| Bromobenzene | UD | U | U | U | U | 5 |
| Bromochloromethane | UD | U | U | U | U | 5 |
| Bromodichloromethane | UD | U | U | U | U | 5 |
| Bromoform | UD | U | U | U | U | 5 |
| Bromomethane | UD | U | U | U | U | 10 |
| 2-Butanone | UD | U | U | U | U | 5 |
| 1-Butanol | UD | U | U | U | U | 100 |
| 2-Butanol | UD | U | U | U | U | 100 |
| n-Butylbenzene | UD | U | U | U | U | 5 |
| sec-Butylbenzene | UD | U | U | U | U | 5 |
| tert-Butylbenzene | UD | U | U | U | U | 5 |
| Carbon disulfide | UD | U | U | U | U | 5 |
| Carbon tetrachloride | UD | U | U | U | U | 5 |
| Chlorobenzene | UD | U | U | U | U | 5 |
| Chlorodibromomethane | UD | U | U | U | U | 5 |
| Chloroethane | UD | U | U | U | U | 10 |
| 2-Chloroethyl vinyl ether | UD | U | U | U | U | 10 |
| Chloroform | UD | U | U | U | U | 5 |
| Chloromethane | UD | U | U | U | U | 10 |
| o-Chlorotoluene | UD | U | U | U | U | 5 |
| p-chlorotoluene | UD | U | U | U | U | 5 |
| cumene (Isopropyl benzene) | UD | U | U | U | U | 5 |
| cymene (p-Isopropyl toluene) | UD | U | U | U | U | 5 |
| 1,2-dibromo-3-chloropropane | UD | U | U | U | U | 5 |
| trans-1,4,-dichloro-2-butene | UD | U | U | U | U | 5 |
| 1,2-Dichlorobenzene | UD | U | U | U | U | 5 |
| 1,3-Dichlorobenzene | UD | U | U | U | U | 5 |
| 1,4-dichlorobenzene | UD | U | U | U | U | 5 |
| Dichlorodifluoromethane | UD | U | U | U | U | 5 |
| 1,1-Dichloroethane | 24 | U | U | U | 6 | 5 |
| 1,2-Dichloroethane | UD | U | U | U | U | 5 |
| 1,1-Dichloroethene | UD | U | U | U | U | 5 |
| total-1,2-dichloroethene | 110 | U | U | 5 | 37 | 5 |
| cis-1,2-dichloroethene | 110 | U | U | 5 | 37 | 5 |
| trans-1,2-dichloroethene | UD | U | U | U | U | 5 |
| 1,2-Dichloropropane | UD | U | U | U | U | 5 |
| 1,3-Dichloropropane | UD | U | U | U | U | 5 |
| | | | | | | |



PQL = Practical Quantitation Limit
To obtain sample-specific quantitation limit, multiply PQL by the Dilution Factor.

IEA
An Aquarion Company

Client: WARZYN
IEA Job#: CH940266
Project #: 55006602

VOLATILE ORGANIC COMPOUNDS
PROGRAM #1, LIST 3A
ug / L

Matrix: Water
Method: 8260

| Dilution Factor (DF) | 4 | 1 | 1 | 1 | 1 | |
|---|---|---|---|---|---|---|
| Method Blank | VW0308 | VW0308 | VW0308 | VW0308 | VW0308 | |
| Client ID | G 113 A | G 113 | G 109 | G 109 A | B 13 | PQL |
| Analyte / Lab ID | 40266 001 | 40266 002 | 40266 003 | 40266 004 | 40266 005 | |
| 2,2-Dichloropropane | UD | U | U | U | U | 5 |
| 1,1-Dichloropropene | UD | U | U | U | U | 5 |
| total-1,3-dichloropropene | UD | U | U | U | U | 5 |
| cis-1,3-dichloropropene | UD | U | U | U | U | 5 |
| trans-1,3-dichloropropene | UD | U | U | U | U | 5 |
| 1,4-Difluorobenzene | UD | U | U | U | U | 5 |
| Ethyl acetate | UD | U | U | U | U | 5 |
| Ethanol | UD | U | U | U | U | 100 |
| Ethyl methacrylate | UD | U | U | U | U | 5 |
| Ethyl benzene | UD | U | U | U | U | 5 |
| 1,2-dibromoethane | UD | U | U | U | U | 5 |
| 2-Hexanone | UD | U | U | U | U | 10 |
| Iodomethane | UD | U | U | U | U | 5 |
| 4-Methyl-2-pentanone | UD | U | U | U | U | 10 |
| Methylene bromide | UD | U | U | U | U | 5 |
| Methylene chloride | UD | U | U | U | U | 5 |
| 1-Propanol | UD | U | U | U | U | 100 |
| 2-Propanol | UD | U | U | U | U | 100 |
| n-Propylbenzene | UD | U | U | U | U | 5 |
| Styrene | UD | U | U | U | U | 10 |
| 1,1,1,2-Tetrachloroethane | UD | U | U | U | U | 5 |
| 1,1,2,2-Tetrachloroethane | UD | U | U | U | U | 5 |
| Tetrachloroethene | 20 | U | U | U | 12 | 5 |
| Tetrahydrofuran | UD | U | U | U | U | 5 |
| Toluene | UD | U | U | U | U | 5 |
| 1,2,3-Trichlorobenzene | UD | U | U | U | U | 5 |
| 1,2,4-Trichlorobenzene | UD | U | U | U | U | 5 |
| 1,1,1-Trichloroethane | UD | U | U | U | U | 5 |
| 1,1,2-Trichloroethane | UD | U | U | U | U | 5 |
| Trichloroethene | 49 | U | U | U | 11 | 5 |
| Trichlorofluoromethane | UD | U | U | U | U | 5 |
| 1,2,3-Trichloropropane | UD | U | U | U | U | 5 |
| 1,2,4-Trimethylbenzene | UD | U | U | U | U | 5 |
| 1,3,5-Trimethylbenzene | UD | U | U | U | U | 5 |
| Vinyl acetate | UD | U | U | U | U | 10 |
| Vinyl chloride | 16 | U | U | U | U | 2 |
| m-Xylene | UD | U | U | U | U | 5 |
| 0-Xylene | UD | U | U | U | U | 5 |
| p-Xylene | UD | U | U | U | U | 5 |
| Xylenes | UD | U | U | U | U | 5 |
| bis chloromethyl ether | UD | U | U | U | U | * |
| | | | | | | |
| Date Analyzed | 3-8-94 | 3-2-94 | 3-8-94 | 3-8-94 | 3-8-94 | |

PQL = Practical Quantitation Limit



To obtain sample-specific quantitation limit, multiply PQL by the Dilution Factor.
* See Case Narrative

IEA
An Aquarion Company

Client: WARZYN
IEA Job#: CH940266
Project #: 55006602

VOLATILE ORGANIC COMPOUNDS
PROGRAM #1, LIST 3A
ug / L

Matrix: Water
Method: 8260

| Dilution Factor (DF) | 1 | 1 | 1 | 1 | 1 | |
|---|---|---|---|---|---|---|
| Method Blank | VW0308 | VW0308 | VW0308 | VW0308 | VW0308 | |
| Client ID | P6 | B11 | B11A | G108 | G107 | PQL |
| Analyte Lab ID | 40266 006 | 40266 007 | 40266 008 | 40266 009 | 40266 010 | |
| Acetone | U | U | U | U | U | 10 |
| Acrolein | U | U | U | U | U | 25 |
| Acrylonitrile | U | U | U | U | U | 10 |
| Benzene | U | U | U | U | U | 5 |
| Bromobenzene | U | U | U | U | U | 5 |
| Bromochloromethane | U | U | U | U | U | 5 |
| Bromodichloromethane | U | U | U | U | U | 5 |
| Bromoform | U | U | U | U | U | 5 |
| Bromomethane | U | U | U | U | U | 10 |
| 2-Butanone | U | U | U | U | U | 5 |
| 1-Butanol | U | U | U | U | U | 100 |
| 2-Butanol | U | U | U | U | U | 100 |
| n-Butylbenzene | U | U | U | U | U | 5 |
| sec-Butylbenzene | U | U | U | U | U | 5 |
| tert-Butylbenzene | U | U | U | U | U | 5 |
| Carbon disulfide | U | U | U | U | U | 5 |
| Carbon tetrachloride | U | U | U | U | U | 5 |
| Chlorobenzene | U | U | U | U | U | 5 |
| Chlorodibromomethane | U | U | U | U | U | 5 |
| Chloroethane | U | U | U | U | U | 10 |
| 2-Chloroethyl vinyl ether | U | U | U | U | U | 10 |
| Chloroform | U | U | U | U | U | 5 |
| Chloromethane | U | U | U | U | U | 10 |
| o-Chlorotoluene | U | U | U | U | U | 5 |
| p-chlorotoluene | U | U | U | U | U | 5 |
| cumene (Isopropyl benzene) | U | U | U | U | U | 5 |
| cymene (p-Isopropyl toluene) | U | U | U | U | U | 5 |
| 1,2-dibromo-3-chloropropane | U | U | U | U | U | 5 |
| trans-1,4,-dichloro-2-butene | U | U | U | U | U | 5 |
| 1,2-Dichlorobenzene | U | U | U | U | U | 5 |
| 1,3-Dichlorobenzene | U | U | U | U | U | 5 |
| 1,4-dichlorobenzene | U | U | U | U | U | 5 |
| Dichlorodifluoromethane | U | U | U | U | U | 5 |
| 1,1-Dichloroethane | U | U | U | U | U | 5 |
| 1,2-Dichloroethane | U | U | U | U | U | 5 |
| 1,1-Dichloroethene | U | U | U | U | U | 5 |
| total-1,2-dichloroethene | 26 | U | U | 13 | U | 5 |
| cis-1,2-dichloroethene | 26 | U | U | 13 | U | 5 |
| trans-1,2-dichloroethene | U | U | U | U | U | 5 |
| 1,2-Dichloropropane | U | U | U | U | U | 5 |
| 1,3-Dichloropropane | U | U | U | U | U | 5 |



PQL = Practical Quantitation Limit
To obtain sample-specific quantitation limit, multiply PQL by the Dilution Factor.

IEA
An Aquarion Company

Client: WARZYN
IEA Job#: CH940266
Project #: 55006602

VOLATILE ORGANIC COMPOUNDS
PROGRAM #1, LIST 3A
ug / L

Matrix: Water
Method: 8260

| Dilution Factor (DF) | 1 | 1 | 1 | 1 | 1 | |
|---|---|---|---|---|---|---|
| Method Blank | VW0308 | VW0308 | VW0308 | VW0308 | VW0308 | |
| Client ID | P6 | B11 | B11A | G108 | G107 | PQL |
| Analyte Lab ID | 40266 006 | 40266 007 | 40266 008 | 40266 009 | 40266 010 | |
| 2,2-Dichloropropane | U | U | U | U | U | 5 |
| 1,1-Dichloropropene | U | U | U | U | U | 5 |
| total-1,3-dichloropropene | U | U | U | U | U | 5 |
| cis-1,3-dichloropropene | U | U | U | U | U | 5 |
| trans-1,3-dichloropropene | U | U | U | U | U | 5 |
| 1,4-Difluorobenzene | U | U | U | U | U | 5 |
| Ethyl acetate | U | U | U | U | U | 5 |
| Ethanol | U | U | U | U | U | 100 |
| Ethyl methacrylate | U | U | U | U | U | 5 |
| Ethyl benzene | U | U | U | U | U | 5 |
| 1,2-dibromoethane | U | U | U | U | U | 5 |
| 2-Hexanone | U | U | U | U | U | 10 |
| Iodomethane | U | U | U | U | U | 5 |
| 4-Methyl-2-pentanone | U | U | U | U | U | 10 |
| Methylene bromide | U | U | U | U | U | 5 |
| Methylene chloride | U | U | U | U | U | 5 |
| 1-Propanol | U | U | U | U | U | 100 |
| 2-Propanol | U | U | U | U | U | 100 |
| n-Propylbenzene | U | U | U | U | U | 5 |
| Styrene | U | U | U | U | U | 10 |
| 1,1,1,2-Tetrachloroethane | U | U | U | U | U | 5 |
| 1,1,2,2-Tetrachloroethane | U | U | U | U | U | 5 |
| Tetrachloroethene | 35 | U | U | U | U | 5 |
| Tetrahydrofuran | U | U | U | U | U | 5 |
| Toluene | U | U | U | U | U | 5 |
| 1,2,3-Trichlorobenzene | U | U | U | U | U | 5 |
| 1,2,4-Trichlorobenzene | U | U | U | U | U | 5 |
| 1,1,1-Trichloroethane | 7 | U | U | U | U | 5 |
| 1,1,2-Trichloroethane | U | U | U | U | U | 5 |
| Trichloroethene | 14 | U | U | U | U | 5 |
| Trichlorofluoromethane | U | U | U | U | U | 5 |
| 1,2,3-Trichloropropane | U | U | U | U | U | 5 |
| 1,2,4-Trimethylbenzene | U | U | U | U | U | 5 |
| 1,3,5-Trimethylbenzene | U | U | U | U | U | 5 |
| Vinyl acetate | U | U | U | U | U | 10 |
| Vinyl chloride | U | U | U | U | U | 2 |
| m-Xylene | U | U | U | U | U | 5 |
| 0-Xylene | U | U | U | U | U | 5 |
| p-Xylene | U | U | U | U | U | 5 |
| Xylenes | U | U | U | U | U | 5 |
| bis chloromethyl ether | U | U | U | U | U | * |
| | | | | | | |
| Date Analyzed | 3/8/94 | 3/8/94 | 3/8/94 | 3/8/94 | 3/9/94 | |

PQL = Practical Quantitation Limit



To obtain sample-specific quantitation limit, multiply PQL by the Dilution Factor.

* *See Case Narrative*

IEA
An Aquarion Company

Client: WARZYN
IEA Job#: CH940266
Project #: 55006602

VOLATILE ORGANIC COMPOUNDS
PROGRAM #1, LIST 3A
ug / L

Matrix: Water
Method: 8260

| Dilution Factor (DF) | 1 | 1 | 1 | | | |
|---|---|---|---|---|---|---|
| Method Blank | VW0302 | VW0308 | VW0308 | | | |
| Client ID | METHOD BLANK | METHOD BLANK | G120B | | | PQL |
| Analyte / Lab ID | VW0302 | VW0308 | 40266 011 | | | |
| Acetone | U | U | U | | | 10 |
| Acrolein | U | U | U | | | 25 |
| Acrylonitrile | U | U | U | | | 10 |
| Benzene | U | U | U | | | 5 |
| Bromobenzene | U | U | U | | | 5 |
| Bromochloromethane | U | U | U | | | 5 |
| Bromodichloromethane | U | U | U | | | 5 |
| Bromoform | U | U | U | | | 5 |
| Bromomethane | U | U | U | | | 10 |
| 2-Butanone | U | U | U | | | 5 |
| 1-Butanol | U | U | U | | | 100 |
| 2-Butanol | U | U | U | | | 100 |
| n-Butylbenzene | U | U | U | | | 5 |
| sec-Butylbenzene | U | U | U | | | 5 |
| tert-Butylbenzene | U | U | U | | | 5 |
| Carbon disulfide | U | U | U | | | 5 |
| Carbon tetrachloride | U | U | U | | | 5 |
| Chlorobenzene | U | U | U | | | 5 |
| Chlorodibromomethane | U | U | U | | | 5 |
| Chloroethane | U | U | U | | | 10 |
| 2-Chloroethyl vinyl ether | U | U | U | | | 10 |
| Chloroform | U | U | U | | | 5 |
| Chloromethane | U | U | U | | | 10 |
| o-Chlorotoluene | U | U | U | | | 5 |
| p-chlorotoluene | U | U | U | | | 5 |
| cumene (Isopropyl benzene) | U | U | U | | | 5 |
| cymene (p-Isopropyl toluene) | U | U | U | | | 5 |
| 1,2-dibromo-3-chloropropane | U | U | U | | | 5 |
| trans-1,4,-dichloro-2-butene | U | U | U | | | 5 |
| 1,2-Dichlorobenzene | U | U | U | | | 5 |
| 1,3-Dichlorobenzene | U | U | U | | | 5 |
| 1,4-dichlorobenzene | U | U | U | | | 5 |
| Dichlorodifluoromethane | U | U | U | | | 5 |
| 1,1-Dichloroethane | U | U | 8 | | | 5 |
| 1,2-Dichloroethane | U | U | U | | | 5 |
| 1,1-Dichloroethene | U | U | U | | | 5 |
| total-1,2-dichloroethene | U | U | 46 | | | 5 |
| cis-1,2-dichloroethene | U | U | 46 | | | 5 |
| trans-1,2-dichloroethene | U | U | U | | | 5 |
| 1,2-Dichloropropane | U | U | U | | | 5 |
| 1,3-Dichloropropane | U | U | U | | | 5 |
| | | | | | | |



PQL = Practical Quantitation Limit
To obtain sample-specific quantitation limit, multiply PQL by the Dilution Factor.

IEA
An Aquarion Company

Client: WARZYN
IEA Job#: CH940266
Project #: 55006602

VOLATILE ORGANIC COMPOUNDS
PROGRAM #1, LIST 3A
ug / L

Matrix: Water
Method: 8260

| Dilution Factor (DF) | 1 | 1 | 1 | | | |
|---|---|---|---|---|---|---|
| Method Blank | VW0302 | VW0308 | VW0308 | | | |
| Client ID | METHOD BLANK | METHOD BLANK | G120B | | | PQL |
| Analyte Lab ID | VW0302 | VW0308 | 40266 011 | | | |
| 2,2-Dichloropropane | U | U | U | | | 5 |
| 1,1-Dichloropropene | U | U | U | | | 5 |
| total-1,3-dichloropropene | U | U | U | | | 5 |
| cis-1,3-dichloropropene | U | U | U | | | 5 |
| trans-1,3-dichloropropene | U | U | U | | | 5 |
| 1,4-Difluorobenzene | U | U | U | | | 5 |
| Ethyl acetate | U | U | U | | | 5 |
| Ethanol | U | U | U | | | 100 |
| Ethyl methacrylate | U | U | U | | | 5 |
| Ethyl benzene | U | U | U | | | 5 |
| 1,2-dibromoethane | U | U | U | | | 5 |
| 2-Hexanone | U | U | U | | | 10 |
| Iodomethane | U | U | U | | | 5 |
| 4-Methyl-2-pentanone | U | U | U | | | 10 |
| Methylene bromide | U | U | U | | | 5 |
| Methylene chloride | U | U | U | | | 5 |
| 1-Propanol | U | U | U | | | 100 |
| 2-Propanol | U | U | U | | | 100 |
| n-Propylbenzene | U | U | U | | | 5 |
| Styrene | U | U | U | | | 10 |
| 1,1,1,2-Tetrachloroethane | U | U | U | | | 5 |
| 1,1,2,2-Tetrachloroethane | U | U | U | | | 5 |
| Tetrachloroethene | U | U | 6 | | | 5 |
| Tetrahydrofuran | U | U | U | | | 5 |
| Toluene | U | U | U | | | 5 |
| 1,2,3-Trichlorobenzene | U | U | U | | | 5 |
| 1,2,4-Trichlorobenzene | U | U | U | | | 5 |
| 1,1,1-Trichloroethane | U | U | 8 | | | 5 |
| 1,1,2-Trichloroethane | U | U | U | | | 5 |
| Trichloroethene | U | U | 11 | | | 5 |
| Trichlorofluoromethane | U | U | U | | | 5 |
| 1,2,3-Trichloropropane | U | U | U | | | 5 |
| 1,2,4-Trimethylbenzene | U | U | U | | | 5 |
| 1,3,5-Trimethylbenzene | U | U | U | | | 5 |
| Vinyl acetate | U | U | U | | | 10 |
| Vinyl chloride | U | U | U | | | 2 |
| m-Xylene | U | U | U | | | 5 |
| 0-Xylene | U | U | U | | | 5 |
| p-Xylene | U | U | U | | | 5 |
| Xylenes | U | U | U | | | 5 |
| bis chloromethyl ether | U | U | U | | | * |
| | | | | | | |
| Date Analyzed | 3/2/94 | 3/8/94 | 3/9/94 | | | |

PQL = Practical Quantitation Limit



To obtain sample-specific quantitation limit, multiply PQL by the Dilution Factor.
* See Case Narrative

IEA
An Aquarion Company

126 West Center Court
Schaumburg, Illinois 60195

Phone 708·705·0740
Fax 708·705·1567

IR. DENNIS LINLEY
IONTGOMERY WATSON
)NE SCIENCE COURT
IADISON
/I 53705

June 21, 1995

)ear Mr. Linley

)lease find enclosed the analytical results of the samples received at our laboratory on ·ebruary 24, 1994. This report contains sections addressing the following information ıt a minimum:

- sample summary
- analytical methodology
- state certifications
- definitions
- analytical results
- chain-of-custody (if applicable)

| | | | |
|---|---|---|---|
| IEA Project# | CH940266 | Client Project# | 55006602 |
| | | Purchase Order# | - |
| IEA Quote# | | Site Name | |

Copies of this analytical report and supporting data are maintained in our files for three years; samples are retained for two weeks unless special arrangements have been made. Unless specifically indicated, all analytical testing was performed at this laboratory location and no portion of the testing was subcontracted.

We appreciate your selection of our services and welcome any questions or suggestions you may have relative to this report. Please contact your customer service representative at (800) 933-2580 for any additional information. Thank you for utilizing our services, we hope you will consider us for your future analytical needs.

I have reviewed and approved the enclosed data for final release.

Sincerely,

Larry D. Lewis
Director of Operations
IEA-Illinois Laboratory

IEA
An Aquarion Company

SAMPLE SUMMARY

| CLIENT SAMPLE ID | IEA SAMPLE ID |
|---|---|
| G113A | 940266001 |
| G113 | 940266002 |
| G109 | 940266003 |
| G109A | 940266004 |
| B13 | 940266005 |
| P6 | 940266006 |
| B11 | 940266007 |
| B11A | 940266008 |
| G108 | 940266009 |
| G107 | 940266010 |
| G120B | 940266011 |
| | |

WARZYN

Program 2

№ 005411

# CHAIN OF CUSTODY RECORD

PROJECT No.: 55006602

PROJECT NAME: Winnebago Reclamation Landfill

CITY & STATE: Rockford, IL

SAMPLERS (Signature): J. J. Ouschek, David A. [illegible], Teresa A Burke

| LAB No. | DATE | TIME | COMP. | GRAB | STATION LOCATION | No. OF CONTAINERS | VOC's - SW8260, SW8015 | | | | | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2/22/94 | 1530 | | X | G113A | 4 | ✓ | | | | | | |
| | ↓ | 1600 | | ↓ | G113 | 4 | ✓ | | | | | | |
| | | 1620 | | | G109 | 4 | ✓ | | | | | | |
| | | 1645 | | | G109A | 4 | ✓ | | | | | | |
| | 2/23/94 | 0840 | | X | B13 | 4 | ✓ | | | | | | |
| | ↓ | 0850 | | ↓ | P6 | 4 | ✓ | | | | | | |
| | | 1020 | | | B11 | 4 | ✓ | | | | | | |
| | | 1030 | | | B11A | 4 | ✓ | | | | | | |
| | | 1130 | | | G108 | 4 | ✓ | | | | | | |
| | | 1140 | | | G107 | 4 | ✓ | | | | | | |
| | | 1510 | | | G120B | 4 | ✓ | | | | | | |

| Relinquished by: (Signature) | Date / Time | Received by: (Signature) | Relinquished by: (Signature) | Date / Time | Received by: (Signature) |
|---|---|---|---|---|---|
| J. J. Ouschek | 2/23/94 1630 | | | | |
| Relinquished by: (Signature) | Date / Time | Received by: (Signature) | Relinquished by: (Signature) | Date / Time | Received by: (Signature) |
| | | | | | |
| Relinquished by: (Signature) | Date / Time | Received for Laboratory by: (Signature) Vince Vuglan | RECV'd ON ICE | Date/Time 2-24-94 9:30 | |

REMARKS

PROJECT MANAGER: S. Tauschek

Shipped to: IEA

Fed Ex # 5186602094

COC s( : 9204618, 9204619

Laboratory File — Pink — Coordinator Field Files

**MONTGOMERY WATSON**
Analytical Testing Services

June 29, 1995

Mr. Thomas Hilbert
Enviromental Engineer
Winnebago Reclamation
8403 Lindenwood Road
Rockford, Illinois 61109

Re: Winnebago Reclamation
Program 2
Sampled May 1994

Dear Mr. Hilbert:

Enclosed are two copies of the reissued analytical results and chain-of-custody for the samples collected in May 1994. Please feel free to call if you have any questions.

Sincerely,

MONTGOMERY WATSON
Analytical Testing Services

Sheila M. Tauschek/CAW

Sheila M. Tauschek
Project Manager

Enclosures: As Stated

cc: S. Tauschek

SMT/kak/GLG
G:\DMGMT\LETTERS\41220031.DOC
L8549

University Research Park
One Science Court
Madison, Wisconsin

Tel: 608 231 4747
Fax: 608 231 4777

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## Definitions of Data Qualifiers and Terminology

There are a number of data qualifiers that are widely used within the environmental testing industry which may be utilized in our data reports. The following definitions of these qualifiers are included as a service to our clientele. The majority of the qualifiers have evolved from the EPA contract laboratory program (CLP) therefore, they may or may not be appropriate for the particular testing that you have requested. If your work did not involve CLP type analyses, only a few of these items may apply to your particular report.

A - This flag is utilized to indicate that a tentatively identified compound (TIC) is a suspected aldol-condensation product formed during sample processing and caution should be applied in interpreting these results.

B - This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates possible/probable blank contamination and warns the data user to use caution when applying the results of this analyte.

BQL - Below quantitation limit indicates the compound was not detected in the sample above the practial quantitation limit.

C - Indicates that a pesticide identification has been confirmed utilizing GC/MS techniques.

D - Indicates the sample extract was diluted by the factor listed due to the sample matrix and/or concentration levels. All method detection limits or practical quantitation limits for the particular sample are therefore increased by this dilution factor.

E - Indicates that the concentration of the specific compound exceeded the calibration range of the instrument for that particular analysis.

J - Indicates an estimated value. It indicates that the compound was analyzed for and determined to be present in the sample. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the mass spectral data indicate the presence of a compound that meet the identification criteria but the result is less than the sample quantitation limit but greater than zero.

MDL - The method detection limit (MDL) is defined as the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero.

ND - Indicates the compound or analyte was not detected in the sample above the method detection limit or the practical quantitation limit for the particular analysis.

PQL - The practical quantitation limit is the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine operating conditions.

U - Indicates the compound was analyzed for but not detected in the sample above the applicable quantitation limit.

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An Aquarion Company

CLIENT:MONTGOMERY WATSON
CLIENT PROJECT#:55006604/161
CLIENT P.O.#:-
IEA PROJECT#:CH940870
MATRIX:WATER
METHOD:8260

# VOLATILE ORGANIC COMPOUNDS
## PROGRAM #2

ANALYST:_____

| LAB ID# | CLIENT ID | ANALYTE | RESULT | PQL | UNITS | DILUTION FACTOR |
|---|---|---|---|---|---|---|
| H40870001 | G109 | | | | | |
| | | Acetone | U | 10 | ug/l | 1 |
| | | Acrolein | U | 25 | ug/l | 1 |
| | | Acrylonitrile | U | 10 | ug/l | 1 |
| | | Benzene | U | 5 | ug/l | 1 |
| | | Bromobenzene | U | 5 | ug/l | 1 |
| | | Bromochloromethane | U | 5 | ug/l | 1 |
| | | Bromodichloromethane | U | 5 | ug/l | 1 |
| | | Bromoform | U | 5 | ug/l | 1 |
| | | Bromomethane | U | 10 | ug/l | 1 |
| | | 2-Butanone | U | 5 | ug/l | 1 |
| | | 1-Butanol | U | 100 | ug/l | 1 |
| | | 2-Butanol | U | 100 | ug/l | 1 |
| | | n-Butylbenzene | U | 5 | ug/l | 1 |
| | | sec-Butylbenzene | U | 5 | ug/l | 1 |
| | | tert-Butylbenzene | U | 5 | ug/l | 1 |
| | | Carbon Disulfide | U | 5 | ug/l | 1 |
| | | Carbon Tetrachloride | U | 5 | ug/l | 1 |
| | | Chlorobenzene | U | 5 | ug/l | 1 |
| | | Chlorodibromomethane | U | 5 | ug/l | 1 |
| | | Chloroethane | U | 10 | ug/l | 1 |
| | | 2-Chloroethyl Vinyl Ethyl | U | 10 | ug/l | 1 |
| | | Chloroform | U | 5 | ug/l | 1 |
| | | Chloromethane | U | 10 | ug/l | 1 |
| | | o-Chlorotoluene | U | 5 | ug/l | 1 |
| | | p-Chlorotoluene | U | 5 | ug/l | 1 |
| | | Cumene (Isopropyl Benzene) | U | 5 | ug/l | 1 |
| | | Cymene (p-Isopropyl Toluene) | U | 5 | ug/l | 1 |
| | | 1,2-Dibromo-3-Chloropropane | U | 5 | ug/l | 1 |
| | | trans-1,4-dichloro-2-butene | U | 5 | ug/l | 1 |
| | | 1,2-Dichlorobenzene | U | 5 | ug/l | 1 |
| | | 1,3-Dichlorobenzene | U | 5 | ug/l | 1 |
| | | 1,4-Dichlorobenzene | U | 5 | ug/l | 1 |
| | | Dichlorodifluoromethane | U | 5 | ug/l | 1 |
| | | 1,1-Dichloroethane | U | 5 | ug/l | 1 |
| | | 1,2-Dichloroethane | U | 5 | ug/l | 1 |
| | | 1,1-Dichloroethene | U | 5 | ug/l | 1 |
| | | total-1,2-Dichloroethene | U | 5 | ug/l | 1 |
| | | cis-1,2-Dichloroethene | U | 5 | ug/l | 1 |
| | | trans-1,2-Dichloroethene | U | 5 | ug/l | 1 |
| | | 1,2-Dichloropropane | U | 5 | ug/l | 1 |
| | | 1,3-Dichloropropane | U | 5 | ug/l | 1 |
| | | 2,2-Dichloropropane | U | 5 | ug/l | 1 |
| | | 1,1-Dichloropropene | U | 5 | ug/l | 1 |

IEA
An Aquarion Company

CLIENT:MONTGOMERY WATSON
CLIENT PROJECT#:55006604/161
CLIENT P.O.#:-
IEA PROJECT#:CH940870
MATRIX:WATER
METHOD:8260

# VOLATILE ORGANIC COMPOUNDS
## PROGRAM #2

ANALYST:_____

| AB ID# | CLIENT ID | ANALYTE | RESULT | PQL | UNITS | DILUTION FACTOR |
|---|---|---|---|---|---|---|
| 40870001 | G109 | | | | | |
| | | total-1,3-Dichloropropene | U | 5 | ug/l | 1 |
| | | cis-1,3-Dichloropropene | U | 5 | ug/l | 1 |
| | | trans-1,3-Dichloropropene | U | 5 | ug/l | 1 |
| | | 1,4-Difluorobenzene | U | 5 | ug/l | 1 |
| | | Ethyl Acetate | U | 5 | ug/l | 1 |
| | | Ethanol | U | 100 | ug/l | 1 |
| | | Ethyl Methacrylate | U | 5 | ug/l | 1 |
| | | Ethyl Benzene | U | 5 | ug/l | 1 |
| | | 1,2-Dibromoethane | U | 5 | ug/l | 1 |
| | | 2-Hexanone | U | 10 | ug/l | 1 |
| | | Iodomethane | U | 5 | ug/l | 1 |
| | | 4-Methyl-2-Pentanone | U | 10 | ug/l | 1 |
| | | Methylene Bromide | U | 5 | ug/l | 1 |
| | | Methylene Chloride | U | 5 | ug/l | 1 |
| | | 1-Propanol | U | 100 | ug/l | 1 |
| | | 2-Propanol | U | 100 | ug/l | 1 |
| | | n-Propylbenzene | U | 5 | ug/l | 1 |
| | | Styrene | U | 10 | ug/l | 1 |
| | | 1,1,1,2-Tetrachloroethane | U | 5 | ug/l | 1 |
| | | 1,1,2,2-Tetrachloroethane | U | 5 | ug/l | 1 |
| | | Tetrachloroethene | U | 5 | ug/l | 1 |
| | | Tetrahydrofuran | U | 5 | ug/l | 1 |
| | | Toluene | U | 5 | ug/l | 1 |
| | | 1,2,3-Trichlorobenzene | U | 5 | ug/l | 1 |
| | | 1,2,4-Trichlorobenzene | U | 5 | ug/l | 1 |
| | | 1,1,1-Trichloroethane | U | 5 | ug/l | 1 |
| | | 1,1,2-Trichloroethane | U | 5 | ug/l | 1 |
| | | Trichloroethene | U | 5 | ug/l | 1 |
| | | Trichlorofluoromethane | U | 5 | ug/l | 1 |
| | | 1,2,3-Trichloropropane | U | 5 | ug/l | 1 |
| | | 1,2,4-Trimethylbenzene | U | 5 | ug/l | 1 |
| | | 1,3,5-Trimethylbenzene | U | 5 | ug/l | 1 |
| | | Vinyl Acetate | U | 10 | ug/l | 1 |
| | | Vinyl Chloride | U | 2 | ug/l | 1 |
| | | m-Xylene | U | 5 | ug/l | 1 |
| | | o-Xylene | U | 5 | ug/l | 1 |
| | | p-Xylene | U | 5 | ug/l | 1 |
| | | Xylenes | U | 5 | ug/l | 1 |
| | | bis Chloromethyl Ether | * | * | ug/l | 1 |

DATE SAMPLED: 05/18/94 METHOD BLANK: VW052794
DATE ANALYZED: 05/27/94

IEA
An Aquarion Company

CLIENT:MONTGOMERY WATSON
CLIENT PROJECT#:55006604/161
CLIENT P.O.#:-
IEA PROJECT#:CH940870
MATRIX:WATER
METHOD:8260

# VOLATILE ORGANIC COMPOUNDS
## PROGRAM #2

ANALYST:_____

| LAB ID# | CLIENT ID | ANALYTE | RESULT | PQL | UNITS | DILUTION FACTOR |
|---|---|---|---|---|---|---|
| 940870002 | G109A | | | | | |
| | | Acetone | U | 10 | ug/l | 1 |
| | | Acrolein | U | 25 | ug/l | 1 |
| | | Acrylonitrile | U | 10 | ug/l | 1 |
| | | Benzene | U | 5 | ug/l | 1 |
| | | Bromobenzene | U | 5 | ug/l | 1 |
| | | Bromochloromethane | U | 5 | ug/l | 1 |
| | | Bromodichloromethane | U | 5 | ug/l | 1 |
| | | Bromoform | U | 5 | ug/l | 1 |
| | | Bromomethane | U | 10 | ug/l | 1 |
| | | 2-Butanone | U | 5 | ug/l | 1 |
| | | 1-Butanol | U | 100 | ug/l | 1 |
| | | 2-Butanol | U | 100 | ug/l | 1 |
| | | n-Butylbenzene | U | 5 | ug/l | 1 |
| | | sec-Butylbenzene | U | 5 | ug/l | 1 |
| | | tert-Butylbenzene | U | 5 | ug/l | 1 |
| | | Carbon Disulfide | U | 5 | ug/l | 1 |
| | | Carbon Tetrachloride | U | 5 | ug/l | 1 |
| | | Chlorobenzene | U | 5 | ug/l | 1 |
| | | Chlorodibromomethane | U | 5 | ug/l | 1 |
| | | Chloroethane | U | 10 | ug/l | 1 |
| | | 2-Chloroethyl Vinyl Ethyl | U | 10 | ug/l | 1 |
| | | Chloroform | U | 5 | ug/l | 1 |
| | | Chloromethane | U | 10 | ug/l | 1 |
| | | o-Chlorotoluene | U | 5 | ug/l | 1 |
| | | p-Chlorotoluene | U | 5 | ug/l | 1 |
| | | Cumene (Isopropyl Benzene) | U | 5 | ug/l | 1 |
| | | Cymene (p-Isopropyl Toluene) | U | 5 | ug/l | 1 |
| | | 1,2-Dibromo-3-Chloropropane | U | 5 | ug/l | 1 |
| | | trans-1,4-dichloro-2-butene | U | 5 | ug/l | 1 |
| | | 1,2-Dichlorobenzene | U | 5 | ug/l | 1 |
| | | 1,3-Dichlorobenzene | U | 5 | ug/l | 1 |
| | | 1,4-Dichlorobenzene | U | 5 | ug/l | 1 |
| | | Dichlorodifluoromethane | U | 5 | ug/l | 1 |
| | | 1,1-Dichloroethane | U | 5 | ug/l | 1 |
| | | 1,2-Dichloroethane | U | 5 | ug/l | 1 |
| | | 1,1-Dichloroethene | U | 5 | ug/l | 1 |
| | | total-1,2-Dichloroethene | U | 5 | ug/l | 1 |
| | | cis-1,2-Dichloroethene | U | 5 | ug/l | 1 |
| | | trans-1,2-Dichloroethene | U | 5 | ug/l | 1 |
| | | 1,2-Dichloropropane | U | 5 | ug/l | 1 |
| | | 1,3-Dichloropropane | U | 5 | ug/l | 1 |
| | | 2,2-Dichloropropane | U | 5 | ug/l | 1 |
| | | 1,1-Dichloropropene | U | 5 | ug/l | 1 |

IEA
An Aquarion Company

CLIENT:MONTGOMERY WATSON
CLIENT PROJECT#:55006604/161
CLIENT P.O.#:-
IEA PROJECT#:CH940870
MATRIX:WATER
METHOD:8260

# VOLATILE ORGANIC COMPOUNDS
## PROGRAM #2

ANALYST:_____

| LAB ID# | CLIENT ID | ANALYTE | RESULT | PQL | UNITS | DILUTION FACTOR |
|---|---|---|---|---|---|---|
| )40870002 | G109A | | | | | |
| | | total-1,3-Dichloropropene | U | 5 | ug/l | 1 |
| | | cis-1,3-Dichloropropene | U | 5 | ug/l | 1 |
| | | trans-1,3-Dichloropropene | U | 5 | ug/l | 1 |
| | | 1,4-Difluorobenzene | U | 5 | ug/l | 1 |
| | | Ethyl Acetate | U | 5 | ug/l | 1 |
| | | Ethanol | U | 100 | ug/l | 1 |
| | | Ethyl Methacrylate | U | 5 | ug/l | 1 |
| | | Ethyl Benzene | U | 5 | ug/l | 1 |
| | | 1,2-Dibromoethane | U | 5 | ug/l | 1 |
| | | 2-Hexanone | U | 10 | ug/l | 1 |
| | | Iodomethane | U | 5 | ug/l | 1 |
| | | 4-Methyl-2-Pentanone | U | 10 | ug/l | 1 |
| | | Methylene Bromide | U | 5 | ug/l | 1 |
| | | Methylene Chloride | U | 5 | ug/l | 1 |
| | | 1-Propanol | U | 100 | ug/l | 1 |
| | | 2-Propanol | U | 100 | ug/l | 1 |
| | | n-Propylbenzene | U | 5 | ug/l | 1 |
| | | Styrene | U | 10 | ug/l | 1 |
| | | 1,1,1,2-Tetrachloroethane | U | 5 | ug/l | 1 |
| | | 1,1,2,2-Tetrachloroethane | U | 5 | ug/l | 1 |
| | | Tetrachloroethene | U | 5 | ug/l | 1 |
| | | Tetrahydrofuran | U | 5 | ug/l | 1 |
| | | Toluene | U | 5 | ug/l | 1 |
| | | 1,2,3-Trichlorobenzene | U | 5 | ug/l | 1 |
| | | 1,2,4-Trichlorobenzene | U | 5 | ug/l | 1 |
| | | 1,1,1-Trichloroethane | U | 5 | ug/l | 1 |
| | | 1,1,2-Trichloroethane | U | 5 | ug/l | 1 |
| | | Trichloroethene | U | 5 | ug/l | 1 |
| | | Trichlorofluoromethane | U | 5 | ug/l | 1 |
| | | 1,2,3-Trichloropropane | U | 5 | ug/l | 1 |
| | | 1,2,4-Trimethylbenzene | U | 5 | ug/l | 1 |
| | | 1,3,5-Trimethylbenzene | U | 5 | ug/l | 1 |
| | | Vinyl Acetate | U | 10 | ug/l | 1 |
| | | Vinyl Chloride | U | 2 | ug/l | 1 |
| | | m-Xylene | U | 5 | ug/l | 1 |
| | | o-Xylene | U | 5 | ug/l | 1 |
| | | p-Xylene | U | 5 | ug/l | 1 |
| | | Xylenes | U | 5 | ug/l | 1 |
| | | bis Chloromethyl Ether | * | * | ug/l | 1 |

DATE SAMPLED: 05/18/94 METHOD BLANK: VW052794
DATE ANALYZED: 05/27/94

IEA
An Aquarion Company

CLIENT:MONTGOMERY WATSON
CLIENT PROJECT#:55006604/161
CLIENT P.O.#:-
IEA PROJECT#:CH940870
MATRIX:WATER
METHOD:8260

# VOLATILE ORGANIC COMPOUNDS
## PROGRAM #2

ANALYST:_____

| LAB ID# | CLIENT ID | ANALYTE | RESULT | | PQL | UNITS | DILUTION FACTOR |
|---|---|---|---|---|---|---|---|
| 40870003 | G113A | | | | | | |
| | | Acetone | U | | 10 | ug/l | 1 |
| | | Acrolein | U | | 25 | ug/l | 1 |
| | | Acrylonitrile | U | | 10 | ug/l | 1 |
| | | Benzene | U | | 5 | ug/l | 1 |
| | | Bromobenzene | U | | 5 | ug/l | 1 |
| | | Bromochloromethane | U | | 5 | ug/l | 1 |
| | | Bromodichloromethane | U | | 5 | ug/l | 1 |
| | | Bromoform | U | | 5 | ug/l | 1 |
| | | Bromomethane | U | | 10 | ug/l | 1 |
| | | 2-Butanone | U | | 5 | ug/l | 1 |
| | | 1-Butanol | U | | 100 | ug/l | 1 |
| | | 2-Butanol | U | | 100 | ug/l | 1 |
| | | n-Butylbenzene | U | | 5 | ug/l | 1 |
| | | sec-Butylbenzene | U | | 5 | ug/l | 1 |
| | | tert-Butylbenzene | U | | 5 | ug/l | 1 |
| | | Carbon Disulfide | U | | 5 | ug/l | 1 |
| | | Carbon Tetrachloride | U | | 5 | ug/l | 1 |
| | | Chlorobenzene | U | | 5 | ug/l | 1 |
| | | Chlorodibromomethane | U | | 5 | ug/l | 1 |
| | | Chloroethane | U | | 10 | ug/l | 1 |
| | | 2-Chloroethyl Vinyl Ethyl | U | | 10 | ug/l | 1 |
| | | Chloroform | U | | 5 | ug/l | 1 |
| | | Chloromethane | U | | 10 | ug/l | 1 |
| | | o-Chlorotoluene | U | | 5 | ug/l | 1 |
| | | p-Chlorotoluene | U | | 5 | ug/l | 1 |
| | | Cumene (Isopropyl Benzene) | U | | 5 | ug/l | 1 |
| | | Cymene (p-Isopropyl Toluene) | U | | 5 | ug/l | 1 |
| | | 1,2-Dibromo-3-Chloropropane | U | | 5 | ug/l | 1 |
| | | trans-1,4-dichloro-2-butene | U | | 5 | ug/l | 1 |
| | | 1,2-Dichlorobenzene | U | | 5 | ug/l | 1 |
| | | 1,3-Dichlorobenzene | U | | 5 | ug/l | 1 |
| | | 1,4-Dichlorobenzene | U | | 5 | ug/l | 1 |
| | | Dichlorodifluoromethane | U | | 5 | ug/l | 1 |
| | | 1,1-Dichloroethane | 29 | | 5 | ug/l | 1 |
| | | 1,2-Dichloroethane | U | | 5 | ug/l | 1 |
| | | 1,1-Dichloroethene | U | | 5 | ug/l | 1 |
| | | total-1,2-Dichloroethene | 130 | E | 5 | ug/l | 1 |
| | | cis-1,2-Dichloroethene | 130 | E | 5 | ug/l | 1 |
| | | trans-1,2-Dichloroethene | U | | 5 | ug/l | 1 |
| | | 1,2-Dichloropropane | 7 | | 5 | ug/l | 1 |
| | | 1,3-Dichloropropane | U | | 5 | ug/l | 1 |
| | | 2,2-Dichloropropane | U | | 5 | ug/l | 1 |
| | | 1,1-Dichloropropene | U | | 5 | ug/l | 1 |

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# VOLATILE ORGANIC COMPOUNDS
## PROGRAM #2

ANALYST:_____

| LAB ID# | CLIENT ID | ANALYTE | RESULT | | PQL | UNITS | DILUTION FACTOR |
|---|---|---|---|---|---|---|---|
| 940870003 | G113A | | | | | | |
| | | total-1,3-Dichloropropene | U | | 5 | ug/l | 1 |
| | | cis-1,3-Dichloropropene | U | | 5 | ug/l | 1 |
| | | trans-1,3-Dichloropropene | U | | 5 | ug/l | 1 |
| | | 1,4-Difluorobenzene | U | | 5 | ug/l | 1 |
| | | Ethyl Acetate | U | | 5 | ug/l | 1 |
| | | Ethanol | U | | 100 | ug/l | 1 |
| | | Ethyl Methacrylate | U | | 5 | ug/l | 1 |
| | | Ethyl Benzene | U | | 5 | ug/l | 1 |
| | | 1,2-Dibromoethane | U | | 5 | ug/l | 1 |
| | | 2-Hexanone | U | | 10 | ug/l | 1 |
| | | Iodomethane | U | | 5 | ug/l | 1 |
| | | 4-Methyl-2-Pentanone | U | | 10 | ug/l | 1 |
| | | Methylene Bromide | U | | 5 | ug/l | 1 |
| | | Methylene Chloride | U | | 5 | ug/l | 1 |
| | | 1-Propanol | U | | 100 | ug/l | 1 |
| | | 2-Propanol | U | | 100 | ug/l | 1 |
| | | n-Propylbenzene | U | | 5 | ug/l | 1 |
| | | Styrene | U | | 10 | ug/l | 1 |
| | | 1,1,1,2-Tetrachloroethane | U | | 5 | ug/l | 1 |
| | | 1,1,2,2-Tetrachloroethane | U | | 5 | ug/l | 1 |
| | | Tetrachloroethene | 26 | | 5 | ug/l | 1 |
| | | Tetrahydrofuran | U | | 5 | ug/l | 1 |
| | | Toluene | U | | 5 | ug/l | 1 |
| | | 1,2,3-Trichlorobenzene | U | | 5 | ug/l | 1 |
| | | 1,2,4-Trichlorobenzene | U | | 5 | ug/l | 1 |
| | | 1,1,1-Trichloroethane | U | | 5 | ug/l | 1 |
| | | 1,1,2-Trichloroethane | U | | 5 | ug/l | 1 |
| | | Trichloroethene | 61 | E | 5 | ug/l | 1 |
| | | Trichlorofluoromethane | U | | 5 | ug/l | 1 |
| | | 1,2,3-Trichloropropane | U | | 5 | ug/l | 1 |
| | | 1,2,4-Trimethylbenzene | U | | 5 | ug/l | 1 |
| | | 1,3,5-Trimethylbenzene | U | | 5 | ug/l | 1 |
| | | Vinyl Acetate | U | | 10 | ug/l | 1 |
| | | Vinyl Chloride | U | | 2 | ug/l | 1 |
| | | m-Xylene | U | | 5 | ug/l | 1 |
| | | o-Xylene | U | | 5 | ug/l | 1 |
| | | p-Xylene | U | | 5 | ug/l | 1 |
| | | Xylenes | U | | 5 | ug/l | 1 |
| | | bis Chloromethyl Ether | * | | * | ug/l | 1 |

DATE SAMPLED: 05/18/94 METHOD BLANK: VW052794
DATE ANALYZED: 05/27/94

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METHOD:8260

# VOLATILE ORGANIC COMPOUNDS
## PROGRAM #2

ANALYST:_____

| AB ID# | CLIENT ID | ANALYTE | RESULT | PQL | UNITS | DILUTION FACTOR |
|---|---|---|---|---|---|---|
| 40870003D1 | G113A | | | | | |
| | | Acetone | UD | 10 | ug/l | 5 |
| | | Acrolein | UD | 25 | ug/l | 5 |
| | | Acrylonitrile | UD | 10 | ug/l | 5 |
| | | Benzene | UD | 5 | ug/l | 5 |
| | | Bromobenzene | UD | 5 | ug/l | 5 |
| | | Bromochloromethane | UD | 5 | ug/l | 5 |
| | | Bromodichloromethane | UD | 5 | ug/l | 5 |
| | | Bromoform | UD | 5 | ug/l | 5 |
| | | Bromomethane | UD | 10 | ug/l | 5 |
| | | 2-Butanone | UD | 5 | ug/l | 5 |
| | | 1-Butanol | UD | 100 | ug/l | 5 |
| | | 2-Butanol | UD | 100 | ug/l | 5 |
| | | n-Butylbenzene | UD | 5 | ug/l | 5 |
| | | sec-Butylbenzene | UD | 5 | ug/l | 5 |
| | | tert-Butylbenzene | UD | 5 | ug/l | 5 |
| | | Carbon Disulfide | UD | 5 | ug/l | 5 |
| | | Carbon Tetrachloride | UD | 5 | ug/l | 5 |
| | | Chlorobenzene | UD | 5 | ug/l | 5 |
| | | Chlorodibromomethane | UD | 5 | ug/l | 5 |
| | | Chloroethane | UD | 10 | ug/l | 5 |
| | | 2-Chloroethyl Vinyl Ethyl | UD | 10 | ug/l | 5 |
| | | Chloroform | UD | 5 | ug/l | 5 |
| | | Chloromethane | UD | 10 | ug/l | 5 |
| | | o-Chlorotoluene | UD | 5 | ug/l | 5 |
| | | p-Chlorotoluene | UD | 5 | ug/l | 5 |
| | | Cumene (Isopropyl Benzene) | UD | 5 | ug/l | 5 |
| | | Cymene (p-Isopropyl Toluene) | UD | 5 | ug/l | 5 |
| | | 1,2-Dibromo-3-Chloropropane | UD | 5 | ug/l | 5 |
| | | trans-1,4-dichloro-2-butene | UD | 5 | ug/l | 5 |
| | | 1,2-Dichlorobenzene | UD | 5 | ug/l | 5 |
| | | 1,3-Dichlorobenzene | UD | 5 | ug/l | 5 |
| | | 1,4-Dichlorobenzene | UD | 5 | ug/l | 5 |
| | | Dichlorodifluoromethane | UD | 5 | ug/l | 5 |
| | | 1,1-Dichloroethane | UD | 5 | ug/l | 5 |
| | | 1,2-Dichloroethane | UD | 5 | ug/l | 5 |
| | | 1,1-Dichloroethene | UD | 5 | ug/l | 5 |
| | | total-1,2-Dichloroethene | 150 | 5 | ug/l | 5 |
| | | cis-1,2-Dichloroethene | 150 | 5 | ug/l | 5 |
| | | trans-1,2-Dichloroethene | UD | 5 | ug/l | 5 |
| | | 1,2-Dichloropropane | UD | 5 | ug/l | 5 |
| | | 1,3-Dichloropropane | UD | 5 | ug/l | 5 |
| | | 2,2-Dichloropropane | UD | 5 | ug/l | 5 |
| | | 1,1-Dichloropropene | UD | 5 | ug/l | 5 |

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METHOD:8260

# VOLATILE ORGANIC COMPOUNDS
## PROGRAM #2

ANALYST:_____

| AB ID# | CLIENT ID | ANALYTE | RESULT | PQL | UNITS | DILUTION FACTOR |
|---|---|---|---|---|---|---|
| 4087000301 | G113A | | | | | |
| | | total-1,3-Dichloropropene | UD | 5 | ug/l | 5 |
| | | cis-1,3-Dichloropropene | UD | 5 | ug/l | 5 |
| | | trans-1,3-Dichloropropene | UD | 5 | ug/l | 5 |
| | | 1,4-Difluorobenzene | UD | 5 | ug/l | 5 |
| | | Ethyl Acetate | UD | 5 | ug/l | 5 |
| | | Ethanol | UD | 100 | ug/l | 5 |
| | | Ethyl Methacrylate | UD | 5 | ug/l | 5 |
| | | Ethyl Benzene | UD | 5 | ug/l | 5 |
| | | 1,2-Dibromoethane | UD | 5 | ug/l | 5 |
| | | 2-Hexanone | UD | 10 | ug/l | 5 |
| | | Iodomethane | UD | 5 | ug/l | 5 |
| | | 4-Methyl-2-Pentanone | UD | 10 | ug/l | 5 |
| | | Methylene Bromide | UD | 5 | ug/l | 5 |
| | | Methylene Chloride | UD | 5 | ug/l | 5 |
| | | 1-Propanol | UD | 100 | ug/l | 5 |
| | | 2-Propanol | UD | 100 | ug/l | 5 |
| | | n-Propylbenzene | UD | 5 | ug/l | 5 |
| | | Styrene | UD | 10 | ug/l | 5 |
| | | 1,1,1,2-Tetrachloroethane | UD | 5 | ug/l | 5 |
| | | 1,1,2,2-Tetrachloroethane | UD | 5 | ug/l | 5 |
| | | Tetrachloroethene | 28 | 5 | ug/l | 5 |
| | | Tetrahydrofuran | UD | 5 | ug/l | 5 |
| | | Toluene | UD | 5 | ug/l | 5 |
| | | 1,2,3-Trichlorobenzene | UD | 5 | ug/l | 5 |
| | | 1,2,4-Trichlorobenzene | UD | 5 | ug/l | 5 |
| | | 1,1,1-Trichloroethane | UD | 5 | ug/l | 5 |
| | | 1,1,2-Trichloroethane | UD | 5 | ug/l | 5 |
| | | Trichloroethene | 66 | 5 | ug/l | 5 |
| | | Trichlorofluoromethane | UD | 5 | ug/l | 5 |
| | | 1,2,3-Trichloropropane | UD | 5 | ug/l | 5 |
| | | 1,2,4-Trimethylbenzene | UD | 5 | ug/l | 5 |
| | | 1,3,5-Trimethylbenzene | UD | 5 | ug/l | 5 |
| | | Vinyl Acetate | UD | 10 | ug/l | 5 |
| | | Vinyl Chloride | UD | 2 | ug/l | 5 |
| | | m-Xylene | UD | 5 | ug/l | 5 |
| | | o-Xylene | UD | 5 | ug/l | 5 |
| | | p-Xylene | UD | 5 | ug/l | 5 |
| | | Xylenes | UD | 5 | ug/l | 5 |
| | | bis Chloromethyl Ether | * | * | ug/l | 5 |

DATE SAMPLED: 05/18/94 METHOD BLANK: VW060194
DATE ANALYZED: 06/01/94

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CLIENT P.O.#:-
IEA PROJECT#:CH940870
MATRIX:WATER
METHOD:8260

# VOLATILE ORGANIC COMPOUNDS
## PROGRAM #2

ANALYST:_____

| LAB ID# | CLIENT ID | ANALYTE | RESULT | PQL | UNITS | DILUTION FACTOR |
|---|---|---|---|---|---|---|
| 940870004 | G113 | | | | | |
| | | Acetone | U | 10 | ug/l | 1 |
| | | Acrolein | U | 25 | ug/l | 1 |
| | | Acrylonitrile | U | 10 | ug/l | 1 |
| | | Benzene | U | 5 | ug/l | 1 |
| | | Bromobenzene | U | 5 | ug/l | 1 |
| | | Bromochloromethane | U | 5 | ug/l | 1 |
| | | Bromodichloromethane | U | 5 | ug/l | 1 |
| | | Bromoform | U | 5 | ug/l | 1 |
| | | Bromomethane | U | 10 | ug/l | 1 |
| | | 2-Butanone | U | 5 | ug/l | 1 |
| | | 1-Butanol | U | 100 | ug/l | 1 |
| | | 2-Butanol | U | 100 | ug/l | 1 |
| | | n-Butylbenzene | U | 5 | ug/l | 1 |
| | | sec-Butylbenzene | U | 5 | ug/l | 1 |
| | | tert-Butylbenzene | U | 5 | ug/l | 1 |
| | | Carbon Disulfide | U | 5 | ug/l | 1 |
| | | Carbon Tetrachloride | U | 5 | ug/l | 1 |
| | | Chlorobenzene | U | 5 | ug/l | 1 |
| | | Chlorodibromomethane | U | 5 | ug/l | 1 |
| | | Chloroethane | U | 10 | ug/l | 1 |
| | | 2-Chloroethyl Vinyl Ethyl | U | 10 | ug/l | 1 |
| | | Chloroform | U | 5 | ug/l | 1 |
| | | Chloromethane | U | 10 | ug/l | 1 |
| | | o-Chlorotoluene | U | 5 | ug/l | 1 |
| | | p-Chlorotoluene | U | 5 | ug/l | 1 |
| | | Cumene (Isopropyl Benzene) | U | 5 | ug/l | 1 |
| | | Cymene (p-Isopropyl Toluene) | U | 5 | ug/l | 1 |
| | | 1,2-Dibromo-3-Chloropropane | U | 5 | ug/l | 1 |
| | | trans-1,4-dichloro-2-butene | U | 5 | ug/l | 1 |
| | | 1,2-Dichlorobenzene | U | 5 | ug/l | 1 |
| | | 1,3-Dichlorobenzene | U | 5 | ug/l | 1 |
| | | 1,4-Dichlorobenzene | U | 5 | ug/l | 1 |
| | | Dichlorodifluoromethane | U | 5 | ug/l | 1 |
| | | 1,1-Dichloroethane | U | 5 | ug/l | 1 |
| | | 1,2-Dichloroethane | U | 5 | ug/l | 1 |
| | | 1,1-Dichloroethene | U | 5 | ug/l | 1 |
| | | total-1,2-Dichloroethene | U | 5 | ug/l | 1 |
| | | cis-1,2-Dichloroethene | U | 5 | ug/l | 1 |
| | | trans-1,2-Dichloroethene | U | 5 | ug/l | 1 |
| | | 1,2-Dichloropropane | U | 5 | ug/l | 1 |
| | | 1,3-Dichloropropane | U | 5 | ug/l | 1 |
| | | 2,2-Dichloropropane | U | 5 | ug/l | 1 |
| | | 1,1-Dichloropropene | U | 5 | ug/l | 1 |

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METHOD:8260

# VOLATILE ORGANIC COMPOUNDS
## PROGRAM #2

ANALYST:_____

| LAB ID# | CLIENT ID | ANALYTE | RESULT | PQL | UNITS | DILUTION FACTOR |
|---|---|---|---|---|---|---|
| 940870004 | G113 | | | | | |
| | | total-1,3-Dichloropropene | U | 5 | ug/l | 1 |
| | | cis-1,3-Dichloropropene | U | 5 | ug/l | 1 |
| | | trans-1,3-Dichloropropene | U | 5 | ug/l | 1 |
| | | 1,4-Difluorobenzene | U | 5 | ug/l | 1 |
| | | Ethyl Acetate | U | 5 | ug/l | 1 |
| | | Ethanol | U | 100 | ug/l | 1 |
| | | Ethyl Methacrylate | U | 5 | ug/l | 1 |
| | | Ethyl Benzene | U | 5 | ug/l | 1 |
| | | 1,2-Dibromoethane | U | 5 | ug/l | 1 |
| | | 2-Hexanone | U | 10 | ug/l | 1 |
| | | Iodomethane | U | 5 | ug/l | 1 |
| | | 4-Methyl-2-Pentanone | U | 10 | ug/l | 1 |
| | | Methylene Bromide | U | 5 | ug/l | 1 |
| | | Methylene Chloride | U | 5 | ug/l | 1 |
| | | 1-Propanol | U | 100 | ug/l | 1 |
| | | 2-Propanol | U | 100 | ug/l | 1 |
| | | n-Propylbenzene | U | 5 | ug/l | 1 |
| | | Styrene | U | 10 | ug/l | 1 |
| | | 1,1,1,2-Tetrachloroethane | U | 5 | ug/l | 1 |
| | | 1,1,2,2-Tetrachloroethane | U | 5 | ug/l | 1 |
| | | Tetrachloroethene | U | 5 | ug/l | 1 |
| | | Tetrahydrofuran | U | 5 | ug/l | 1 |
| | | Toluene | U | 5 | ug/l | 1 |
| | | 1,2,3-Trichlorobenzene | U | 5 | ug/l | 1 |
| | | 1,2,4-Trichlorobenzene | U | 5 | ug/l | 1 |
| | | 1,1,1-Trichloroethane | U | 5 | ug/l | 1 |
| | | 1,1,2-Trichloroethane | U | 5 | ug/l | 1 |
| | | Trichloroethene | U | 5 | ug/l | 1 |
| | | Trichlorofluoromethane | U | 5 | ug/l | 1 |
| | | 1,2,3-Trichloropropane | U | 5 | ug/l | 1 |
| | | 1,2,4-Trimethylbenzene | U | 5 | ug/l | 1 |
| | | 1,3,5-Trimethylbenzene | U | 5 | ug/l | 1 |
| | | Vinyl Acetate | U | 10 | ug/l | 1 |
| | | Vinyl Chloride | U | 2 | ug/l | 1 |
| | | m-Xylene | U | 5 | ug/l | 1 |
| | | o-Xylene | U | 5 | ug/l | 1 |
| | | p-Xylene | U | 5 | ug/l | 1 |
| | | Xylenes | U | 5 | ug/l | 1 |
| | | bis Chloromethyl Ether | * | * | ug/l | 1 |

DATE SAMPLED: 05/18/94 METHOD BLANK: VW052794
DATE ANALYZED: 05/27/94

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IEA PROJECT#:CH940870
MATRIX:WATER
METHOD:8260

# VOLATILE ORGANIC COMPOUNDS
## PROGRAM #2

ANALYST:_____

| AB ID# | CLIENT ID | ANALYTE | RESULT | PQL | UNITS | DILUTION FACTOR |
|---|---|---|---|---|---|---|
| 40870005 | B13 | | | | | |
| | | Acetone | U | 10 | ug/l | 1 |
| | | Acrolein | U | 25 | ug/l | 1 |
| | | Acrylonitrile | U | 10 | ug/l | 1 |
| | | Benzene | U | 5 | ug/l | 1 |
| | | Bromobenzene | U | 5 | ug/l | 1 |
| | | Bromochloromethane | U | 5 | ug/l | 1 |
| | | Bromodichloromethane | U | 5 | ug/l | 1 |
| | | Bromoform | U | 5 | ug/l | 1 |
| | | Bromomethane | U | 10 | ug/l | 1 |
| | | 2-Butanone | U | 5 | ug/l | 1 |
| | | 1-Butanol | U | 100 | ug/l | 1 |
| | | 2-Butanol | U | 100 | ug/l | 1 |
| | | n-Butylbenzene | U | 5 | ug/l | 1 |
| | | sec-Butylbenzene | U | 5 | ug/l | 1 |
| | | tert-Butylbenzene | U | 5 | ug/l | 1 |
| | | Carbon Disulfide | U | 5 | ug/l | 1 |
| | | Carbon Tetrachloride | U | 5 | ug/l | 1 |
| | | Chlorobenzene | U | 5 | ug/l | 1 |
| | | Chlorodibromomethane | U | 5 | ug/l | 1 |
| | | Chloroethane | U | 10 | ug/l | 1 |
| | | 2-Chloroethyl Vinyl Ethyl | U | 10 | ug/l | 1 |
| | | Chloroform | U | 5 | ug/l | 1 |
| | | Chloromethane | U | 10 | ug/l | 1 |
| | | o-Chlorotoluene | U | 5 | ug/l | 1 |
| | | p-Chlorotoluene | U | 5 | ug/l | 1 |
| | | Cumene (Isopropyl Benzene) | U | 5 | ug/l | 1 |
| | | Cymene (p-Isopropyl Toluene) | U | 5 | ug/l | 1 |
| | | 1,2-Dibromo-3-Chloropropane | U | 5 | ug/l | 1 |
| | | trans-1,4-dichloro-2-butene | U | 5 | ug/l | 1 |
| | | 1,2-Dichlorobenzene | U | 5 | ug/l | 1 |
| | | 1,3-Dichlorobenzene | U | 5 | ug/l | 1 |
| | | 1,4-Dichlorobenzene | 6 | 5 | ug/l | 1 |
| | | Dichlorodifluoromethane | U | 5 | ug/l | 1 |
| | | 1,1-Dichloroethane | 7 | 5 | ug/l | 1 |
| | | 1,2-Dichloroethane | U | 5 | ug/l | 1 |
| | | 1,1-Dichloroethene | U | 5 | ug/l | 1 |
| | | total-1,2-Dichloroethene | 46 | 5 | ug/l | 1 |
| | | cis-1,2-Dichloroethene | 46 | 5 | ug/l | 1 |
| | | trans-1,2-Dichloroethene | U | 5 | ug/l | 1 |
| | | 1,2-Dichloropropane | U | 5 | ug/l | 1 |
| | | 1,3-Dichloropropane | U | 5 | ug/l | 1 |
| | | 2,2-Dichloropropane | U | 5 | ug/l | 1 |
| | | 1,1-Dichloropropene | U | 5 | ug/l | 1 |

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METHOD:8260

# VOLATILE ORGANIC COMPOUNDS
# PROGRAM #2

ANALYST:_____

| AB ID# | CLIENT ID | ANALYTE | RESULT | PQL | UNITS | DILUTION FACTOR |
|---|---|---|---|---|---|---|
| 40870005 | B13 | | | | | |
| | | total-1,3-Dichloropropene | U | 5 | ug/l | 1 |
| | | cis-1,3-Dichloropropene | U | 5 | ug/l | 1 |
| | | trans-1,3-Dichloropropene | U | 5 | ug/l | 1 |
| | | 1,4-Difluorobenzene | U | 5 | ug/l | 1 |
| | | Ethyl Acetate | U | 5 | ug/l | 1 |
| | | Ethanol | U | 100 | ug/l | 1 |
| | | Ethyl Methacrylate | U | 5 | ug/l | 1 |
| | | Ethyl Benzene | U | 5 | ug/l | 1 |
| | | 1,2-Dibromoethane | U | 5 | ug/l | 1 |
| | | 2-Hexanone | U | 10 | ug/l | 1 |
| | | Iodomethane | U | 5 | ug/l | 1 |
| | | 4-Methyl-2-Pentanone | U | 10 | ug/l | 1 |
| | | Methylene Bromide | U | 5 | ug/l | 1 |
| | | Methylene Chloride | U | 5 | ug/l | 1 |
| | | 1-Propanol | U | 100 | ug/l | 1 |
| | | 2-Propanol | U | 100 | ug/l | 1 |
| | | n-Propylbenzene | U | 5 | ug/l | 1 |
| | | Styrene | U | 10 | ug/l | 1 |
| | | 1,1,1,2-Tetrachloroethane | U | 5 | ug/l | 1 |
| | | 1,1,2,2-Tetrachloroethane | U | 5 | ug/l | 1 |
| | | Tetrachloroethene | 13 | 5 | ug/l | 1 |
| | | Tetrahydrofuran | U | 5 | ug/l | 1 |
| | | Toluene | U | 5 | ug/l | 1 |
| | | 1,2,3-Trichlorobenzene | U | 5 | ug/l | 1 |
| | | 1,2,4-Trichlorobenzene | U | 5 | ug/l | 1 |
| | | 1,1,1-Trichloroethane | U | 5 | ug/l | 1 |
| | | 1,1,2-Trichloroethane | U | 5 | ug/l | 1 |
| | | Trichloroethene | 14 | 5 | ug/l | 1 |
| | | Trichlorofluoromethane | U | 5 | ug/l | 1 |
| | | 1,2,3-Trichloropropane | U | 5 | ug/l | 1 |
| | | 1,2,4-Trimethylbenzene | U | 5 | ug/l | 1 |
| | | 1,3,5-Trimethylbenzene | U | 5 | ug/l | 1 |
| | | Vinyl Acetate | U | 10 | ug/l | 1 |
| | | Vinyl Chloride | 3 | 2 | ug/l | 1 |
| | | m-Xylene | U | 5 | ug/l | 1 |
| | | o-Xylene | U | 5 | ug/l | 1 |
| | | p-Xylene | U | 5 | ug/l | 1 |
| | | Xylenes | U | 5 | ug/l | 1 |
| | | bis Chloromethyl Ether | * | * | ug/l | 1 |

DATE SAMPLED: 05/18/94
DATE ANALYZED: 05/27/94

METHOD BLANK: VW052794

IEA
An Aquarion Company

CLIENT:MONTGOMERY WATSON
CLIENT PROJECT#:55006604/161
CLIENT P.O.#:-
IEA PROJECT#:CH940870
MATRIX:WATER
METHOD:8260

# VOLATILE ORGANIC COMPOUNDS
## PROGRAM #2

ANALYST:_____

| LAB ID# | CLIENT ID | ANALYTE | RESULT | PQL | UNITS | DILUTION FACTOR |
|---|---|---|---|---|---|---|
| 940870006 | P6 | | | | | |
| | | Acetone | U | 10 | ug/l | 1 |
| | | Acrolein | U | 25 | ug/l | 1 |
| | | Acrylonitrile | U | 10 | ug/l | 1 |
| | | Benzene | U | 5 | ug/l | 1 |
| | | Bromobenzene | U | 5 | ug/l | 1 |
| | | Bromochloromethane | U | 5 | ug/l | 1 |
| | | Bromodichloromethane | U | 5 | ug/l | 1 |
| | | Bromoform | U | 5 | ug/l | 1 |
| | | Bromomethane | U | 10 | ug/l | 1 |
| | | 2-Butanone | U | 5 | ug/l | 1 |
| | | 1-Butanol | U | 100 | ug/l | 1 |
| | | 2-Butanol | U | 100 | ug/l | 1 |
| | | n-Butylbenzene | U | 5 | ug/l | 1 |
| | | sec-Butylbenzene | U | 5 | ug/l | 1 |
| | | tert-Butylbenzene | U | 5 | ug/l | 1 |
| | | Carbon Disulfide | U | 5 | ug/l | 1 |
| | | Carbon Tetrachloride | U | 5 | ug/l | 1 |
| | | Chlorobenzene | U | 5 | ug/l | 1 |
| | | Chlorodibromomethane | U | 5 | ug/l | 1 |
| | | Chloroethane | U | 10 | ug/l | 1 |
| | | 2-Chloroethyl Vinyl Ethyl | U | 10 | ug/l | 1 |
| | | Chloroform | U | 5 | ug/l | 1 |
| | | Chloromethane | U | 10 | ug/l | 1 |
| | | o-Chlorotoluene | U | 5 | ug/l | 1 |
| | | p-Chlorotoluene | U | 5 | ug/l | 1 |
| | | Cumene (Isopropyl Benzene) | U | 5 | ug/l | 1 |
| | | Cymene (p-Isopropyl Toluene) | U | 5 | ug/l | 1 |
| | | 1,2-Dibromo-3-Chloropropane | U | 5 | ug/l | 1 |
| | | trans-1,4-dichloro-2-butene | U | 5 | ug/l | 1 |
| | | 1,2-Dichlorobenzene | U | 5 | ug/l | 1 |
| | | 1,3-Dichlorobenzene | U | 5 | ug/l | 1 |
| | | 1,4-Dichlorobenzene | U | 5 | ug/l | 1 |
| | | Dichlorodifluoromethane | U | 5 | ug/l | 1 |
| | | 1,1-Dichloroethane | U | 5 | ug/l | 1 |
| | | 1,2-Dichloroethane | U | 5 | ug/l | 1 |
| | | 1,1-Dichloroethene | U | 5 | ug/l | 1 |
| | | total-1,2-Dichloroethene | 28 | 5 | ug/l | 1 |
| | | cis-1,2-Dichloroethene | 28 | 5 | ug/l | 1 |
| | | trans-1,2-Dichloroethene | U | 5 | ug/l | 1 |
| | | 1,2-Dichloropropane | U | 5 | ug/l | 1 |
| | | 1,3-Dichloropropane | U | 5 | ug/l | 1 |
| | | 2,2-Dichloropropane | U | 5 | ug/l | 1 |
| | | 1,1-Dichloropropene | U | 5 | ug/l | 1 |

IEA
An Aquarion Company

CLIENT:MONTGOMERY WATSON
CLIENT PROJECT#:55006604/161
CLIENT P.O.#:-
IEA PROJECT#:CH940870
MATRIX:WATER
METHOD:8260

# VOLATILE ORGANIC COMPOUNDS
# PROGRAM #2

ANALYST:_____

| ID# | CLIENT ID | ANALYTE | RESULT | PQL | UNITS | DILUTION FACTOR |
|---|---|---|---|---|---|---|
| 0870006 | P6 | | | | | |
| | | total-1,3-Dichloropropene | U | 5 | ug/l | 1 |
| | | cis-1,3-Dichloropropene | U | 5 | ug/l | 1 |
| | | trans-1,3-Dichloropropene | U | 5 | ug/l | 1 |
| | | 1,4-Difluorobenzene | U | 5 | ug/l | 1 |
| | | Ethyl Acetate | U | 5 | ug/l | 1 |
| | | Ethanol | U | 100 | ug/l | 1 |
| | | Ethyl Methacrylate | U | 5 | ug/l | 1 |
| | | Ethyl Benzene | U | 5 | ug/l | 1 |
| | | 1,2-Dibromoethane | U | 5 | ug/l | 1 |
| | | 2-Hexanone | U | 10 | ug/l | 1 |
| | | Iodomethane | U | 5 | ug/l | 1 |
| | | 4-Methyl-2-Pentanone | U | 10 | ug/l | 1 |
| | | Methylene Bromide | U | 5 | ug/l | 1 |
| | | Methylene Chloride | U | 5 | ug/l | 1 |
| | | 1-Propanol | U | 100 | ug/l | 1 |
| | | 2-Propanol | U | 100 | ug/l | 1 |
| | | n-Propylbenzene | U | 5 | ug/l | 1 |
| | | Styrene | U | 10 | ug/l | 1 |
| | | 1,1,1,2-Tetrachloroethane | U | 5 | ug/l | 1 |
| | | 1,1,2,2-Tetrachloroethane | U | 5 | ug/l | 1 |
| | | Tetrachloroethene | 34 | 5 | ug/l | 1 |
| | | Tetrahydrofuran | U | 5 | ug/l | 1 |
| | | Toluene | U | 5 | ug/l | 1 |
| | | 1,2,3-Trichlorobenzene | U | 5 | ug/l | 1 |
| | | 1,2,4-Trichlorobenzene | U | 5 | ug/l | 1 |
| | | 1,1,1-Trichloroethane | 7 | 5 | ug/l | 1 |
| | | 1,1,2-Trichloroethane | U | 5 | ug/l | 1 |
| | | Trichloroethene | 15 | 5 | ug/l | 1 |
| | | Trichlorofluoromethane | U | 5 | ug/l | 1 |
| | | 1,2,3-Trichloropropane | U | 5 | ug/l | 1 |
| | | 1,2,4-Trimethylbenzene | U | 5 | ug/l | 1 |
| | | 1,3,5-Trimethylbenzene | U | 5 | ug/l | 1 |
| | | Vinyl Acetate | U | 10 | ug/l | 1 |
| | | Vinyl Chloride | U | 2 | ug/l | 1 |
| | | m-Xylene | U | 5 | ug/l | 1 |
| | | o-Xylene | U | 5 | ug/l | 1 |
| | | p-Xylene | U | 5 | ug/l | 1 |
| | | Xylenes | U | 5 | ug/l | 1 |
| | | bis Chloromethyl Ether | * | * | ug/l | 1 |

DATE SAMPLED: 05/18/94 METHOD BLANK: VW052794
DATE ANALYZED: 05/27/94

IEA
An Aquarion Company

CLIENT:MONTGOMERY WATSON
CLIENT PROJECT#:55006604/161
CLIENT P.O.#:-
IEA PROJECT#:CH940870
MATRIX:WATER
METHOD:8260

# VOLATILE ORGANIC COMPOUNDS
## PROGRAM #2

ANALYST:_____

| LAB ID# | CLIENT ID | ANALYTE | RESULT | PQL | UNITS | DILUTION FACTOR |
|---|---|---|---|---|---|---|
| 940870007 | BAILER BLANK 01 | | | | | |
| | | Acetone | U | 10 | ug/l | 1 |
| | | Acrolein | U | 25 | ug/l | 1 |
| | | Acrylonitrile | U | 10 | ug/l | 1 |
| | | Benzene | U | 5 | ug/l | 1 |
| | | Bromobenzene | U | 5 | ug/l | 1 |
| | | Bromochloromethane | U | 5 | ug/l | 1 |
| | | Bromodichloromethane | U | 5 | ug/l | 1 |
| | | Bromoform | U | 5 | ug/l | 1 |
| | | Bromomethane | U | 10 | ug/l | 1 |
| | | 2-Butanone | U | 5 | ug/l | 1 |
| | | 1-Butanol | U | 100 | ug/l | 1 |
| | | 2-Butanol | U | 100 | ug/l | 1 |
| | | n-Butylbenzene | U | 5 | ug/l | 1 |
| | | sec-Butylbenzene | U | 5 | ug/l | 1 |
| | | tert-Butylbenzene | U | 5 | ug/l | 1 |
| | | Carbon Disulfide | U | 5 | ug/l | 1 |
| | | Carbon Tetrachloride | U | 5 | ug/l | 1 |
| | | Chlorobenzene | U | 5 | ug/l | 1 |
| | | Chlorodibromomethane | U | 5 | ug/l | 1 |
| | | Chloroethane | U | 10 | ug/l | 1 |
| | | 2-Chloroethyl Vinyl Ethyl | U | 10 | ug/l | 1 |
| | | Chloroform | U | 5 | ug/l | 1 |
| | | Chloromethane | U | 10 | ug/l | 1 |
| | | o-Chlorotoluene | U | 5 | ug/l | 1 |
| | | p-Chlorotoluene | U | 5 | ug/l | 1 |
| | | Cumene (Isopropyl Benzene) | U | 5 | ug/l | 1 |
| | | Cymene (p-Isopropyl Toluene) | U | 5 | ug/l | 1 |
| | | 1,2-Dibromo-3-Chloropropane | U | 5 | ug/l | 1 |
| | | trans-1,4-dichloro-2-butene | U | 5 | ug/l | 1 |
| | | 1,2-Dichlorobenzene | U | 5 | ug/l | 1 |
| | | 1,3-Dichlorobenzene | U | 5 | ug/l | 1 |
| | | 1,4-Dichlorobenzene | U | 5 | ug/l | 1 |
| | | Dichlorodifluoromethane | U | 5 | ug/l | 1 |
| | | 1,1-Dichloroethane | U | 5 | ug/l | 1 |
| | | 1,2-Dichloroethane | U | 5 | ug/l | 1 |
| | | 1,1-Dichloroethene | U | 5 | ug/l | 1 |
| | | total-1,2-Dichloroethene | U | 5 | ug/l | 1 |
| | | cis-1,2-Dichloroethene | U | 5 | ug/l | 1 |
| | | trans-1,2-Dichloroethene | U | 5 | ug/l | 1 |
| | | 1,2-Dichloropropane | U | 5 | ug/l | 1 |
| | | 1,3-Dichloropropane | U | 5 | ug/l | 1 |
| | | 2,2-Dichloropropane | U | 5 | ug/l | 1 |
| | | 1,1-Dichloropropene | U | 5 | ug/l | 1 |

IEA
An Aquarion Company

CLIENT:MONTGOMERY WATSON
CLIENT PROJECT#:55006604/161
CLIENT P.O.#:-
IEA PROJECT#:CH940870
MATRIX:WATER
METHOD:8260

# VOLATILE ORGANIC COMPOUNDS
## PROGRAM #2

ANALYST:_____

| LAB ID# | CLIENT ID | ANALYTE | RESULT | PQL | UNITS | DILUTION FACTOR |
|---|---|---|---|---|---|---|
| 940870007 | BAILER BLANK 01 | | | | | |
| | | total-1,3-Dichloropropene | U | 5 | ug/l | 1 |
| | | cis-1,3-Dichloropropene | U | 5 | ug/l | 1 |
| | | trans-1,3-Dichloropropene | U | 5 | ug/l | 1 |
| | | 1,4-Difluorobenzene | U | 5 | ug/l | 1 |
| | | Ethyl Acetate | U | 5 | ug/l | 1 |
| | | Ethanol | U | 100 | ug/l | 1 |
| | | Ethyl Methacrylate | U | 5 | ug/l | 1 |
| | | Ethyl Benzene | U | 5 | ug/l | 1 |
| | | 1,2-Dibromoethane | U | 5 | ug/l | 1 |
| | | 2-Hexanone | U | 10 | ug/l | 1 |
| | | Iodomethane | U | 5 | ug/l | 1 |
| | | 4-Methyl-2-Pentanone | U | 10 | ug/l | 1 |
| | | Methylene Bromide | U | 5 | ug/l | 1 |
| | | Methylene Chloride | U | 5 | ug/l | 1 |
| | | 1-Propanol | U | 100 | ug/l | 1 |
| | | 2-Propanol | U | 100 | ug/l | 1 |
| | | n-Propylbenzene | U | 5 | ug/l | 1 |
| | | Styrene | U | 10 | ug/l | 1 |
| | | 1,1,1,2-Tetrachloroethane | U | 5 | ug/l | 1 |
| | | 1,1,2,2-Tetrachloroethane | U | 5 | ug/l | 1 |
| | | Tetrachloroethene | U | 5 | ug/l | 1 |
| | | Tetrahydrofuran | U | 5 | ug/l | 1 |
| | | Toluene | U | 5 | ug/l | 1 |
| | | 1,2,3-Trichlorobenzene | U | 5 | ug/l | 1 |
| | | 1,2,4-Trichlorobenzene | U | 5 | ug/l | 1 |
| | | 1,1,1-Trichloroethane | U | 5 | ug/l | 1 |
| | | 1,1,2-Trichloroethane | U | 5 | ug/l | 1 |
| | | Trichloroethene | U | 5 | ug/l | 1 |
| | | Trichlorofluoromethane | U | 5 | ug/l | 1 |
| | | 1,2,3-Trichloropropane | U | 5 | ug/l | 1 |
| | | 1,2,4-Trimethylbenzene | U | 5 | ug/l | 1 |
| | | 1,3,5-Trimethylbenzene | U | 5 | ug/l | 1 |
| | | Vinyl Acetate | U | 10 | ug/l | 1 |
| | | Vinyl Chloride | U | 2 | ug/l | 1 |
| | | m-Xylene | U | 5 | ug/l | 1 |
| | | o-Xylene | U | 5 | ug/l | 1 |
| | | p-Xylene | U | 5 | ug/l | 1 |
| | | Xylenes | U | 5 | ug/l | 1 |
| | | bis Chloromethyl Ether | * | * | ug/l | 1 |

DATE SAMPLED: 05/18/94 METHOD BLANK: VW052794
DATE ANALYZED: 05/27/94

IEA
An Aquarion Company

CLIENT:MONTGOMERY WATSON
CLIENT PROJECT#:55006604/161
CLIENT P.O.#:-
IEA PROJECT#:CH940870
MATRIX:WATER
METHOD:8260

# VOLATILE ORGANIC COMPOUNDS
## PROGRAM #2

ANALYST:_____

| AB ID# | CLIENT ID | ANALYTE | RESULT | PQL | UNITS | DILUTION FACTOR |
|---|---|---|---|---|---|---|
| '40870008 | B11A | | | | | |
| | | Acetone | U | 10 | ug/l | 1 |
| | | Acrolein | U | 25 | ug/l | 1 |
| | | Acrylonitrile | U | 10 | ug/l | 1 |
| | | Benzene | U | 5 | ug/l | 1 |
| | | Bromobenzene | U | 5 | ug/l | 1 |
| | | Bromochloromethane | U | 5 | ug/l | 1 |
| | | Bromodichloromethane | U | 5 | ug/l | 1 |
| | | Bromoform | U | 5 | ug/l | 1 |
| | | Bromomethane | U | 10 | ug/l | 1 |
| | | 2-Butanone | U | 5 | ug/l | 1 |
| | | 1-Butanol | U | 100 | ug/l | 1 |
| | | 2-Butanol | U | 100 | ug/l | 1 |
| | | n-Butylbenzene | U | 5 | ug/l | 1 |
| | | sec-Butylbenzene | U | 5 | ug/l | 1 |
| | | tert-Butylbenzene | U | 5 | ug/l | 1 |
| | | Carbon Disulfide | U | 5 | ug/l | 1 |
| | | Carbon Tetrachloride | U | 5 | ug/l | 1 |
| | | Chlorobenzene | U | 5 | ug/l | 1 |
| | | Chlorodibromomethane | U | 5 | ug/l | 1 |
| | | Chloroethane | U | 10 | ug/l | 1 |
| | | 2-Chloroethyl Vinyl Ethyl | U | 10 | ug/l | 1 |
| | | Chloroform | U | 5 | ug/l | 1 |
| | | Chloromethane | U | 10 | ug/l | 1 |
| | | o-Chlorotoluene | U | 5 | ug/l | 1 |
| | | p-Chlorotoluene | U | 5 | ug/l | 1 |
| | | Cumene (Isopropyl Benzene) | U | 5 | ug/l | 1 |
| | | Cymene (p-Isopropyl Toluene) | U | 5 | ug/l | 1 |
| | | 1,2-Dibromo-3-Chloropropane | U | 5 | ug/l | 1 |
| | | trans-1,4-dichloro-2-butene | U | 5 | ug/l | 1 |
| | | 1,2-Dichlorobenzene | U | 5 | ug/l | 1 |
| | | 1,3-Dichlorobenzene | U | 5 | ug/l | 1 |
| | | 1,4-Dichlorobenzene | U | 5 | ug/l | 1 |
| | | Dichlorodifluoromethane | U | 5 | ug/l | 1 |
| | | 1,1-Dichloroethane | U | 5 | ug/l | 1 |
| | | 1,2-Dichloroethane | U | 5 | ug/l | 1 |
| | | 1,1-Dichloroethene | U | 5 | ug/l | 1 |
| | | total-1,2-Dichloroethene | U | 5 | ug/l | 1 |
| | | cis-1,2-Dichloroethene | U | 5 | ug/l | 1 |
| | | trans-1,2-Dichloroethene | U | 5 | ug/l | 1 |
| | | 1,2-Dichloropropane | U | 5 | ug/l | 1 |
| | | 1,3-Dichloropropane | U | 5 | ug/l | 1 |
| | | 2,2-Dichloropropane | U | 5 | ug/l | 1 |
| | | 1,1-Dichloropropene | U | 5 | ug/l | 1 |

IEA
An Aquarion Company

CLIENT:MONTGOMERY WATSON
CLIENT PROJECT#:55006604/161
CLIENT P.O.#:-
IEA PROJECT#:CH940870
MATRIX:WATER
METHOD:8260

# VOLATILE ORGANIC COMPOUNDS
## PROGRAM #2

ANALYST:_____

| LAB ID# | CLIENT ID | ANALYTE | RESULT | PQL | UNITS | DILUTION FACTOR |
|---|---|---|---|---|---|---|
| 940870008 | B11A | | | | | |
| | | total-1,3-Dichloropropene | U | 5 | ug/l | 1 |
| | | cis-1,3-Dichloropropene | U | 5 | ug/l | 1 |
| | | trans-1,3-Dichloropropene | U | 5 | ug/l | 1 |
| | | 1,4-Difluorobenzene | U | 5 | ug/l | 1 |
| | | Ethyl Acetate | U | 5 | ug/l | 1 |
| | | Ethanol | U | 100 | ug/l | 1 |
| | | Ethyl Methacrylate | U | 5 | ug/l | 1 |
| | | Ethyl Benzene | U | 5 | ug/l | 1 |
| | | 1,2-Dibromoethane | U | 5 | ug/l | 1 |
| | | 2-Hexanone | U | 10 | ug/l | 1 |
| | | Iodomethane | U | 5 | ug/l | 1 |
| | | 4-Methyl-2-Pentanone | U | 10 | ug/l | 1 |
| | | Methylene Bromide | U | 5 | ug/l | 1 |
| | | Methylene Chloride | U | 5 | ug/l | 1 |
| | | 1-Propanol | U | 100 | ug/l | 1 |
| | | 2-Propanol | U | 100 | ug/l | 1 |
| | | n-Propylbenzene | U | 5 | ug/l | 1 |
| | | Styrene | U | 10 | ug/l | 1 |
| | | 1,1,1,2-Tetrachloroethane | U | 5 | ug/l | 1 |
| | | 1,1,2,2-Tetrachloroethane | U | 5 | ug/l | 1 |
| | | Tetrachloroethene | U | 5 | ug/l | 1 |
| | | Tetrahydrofuran | U | 5 | ug/l | 1 |
| | | Toluene | U | 5 | ug/l | 1 |
| | | 1,2,3-Trichlorobenzene | U | 5 | ug/l | 1 |
| | | 1,2,4-Trichlorobenzene | U | 5 | ug/l | 1 |
| | | 1,1,1-Trichloroethane | U | 5 | ug/l | 1 |
| | | 1,1,2-Trichloroethane | U | 5 | ug/l | 1 |
| | | Trichloroethene | U | 5 | ug/l | 1 |
| | | Trichlorofluoromethane | U | 5 | ug/l | 1 |
| | | 1,2,3-Trichloropropane | U | 5 | ug/l | 1 |
| | | 1,2,4-Trimethylbenzene | U | 5 | ug/l | 1 |
| | | 1,3,5-Trimethylbenzene | U | 5 | ug/l | 1 |
| | | Vinyl Acetate | U | 10 | ug/l | 1 |
| | | Vinyl Chloride | U | 2 | ug/l | 1 |
| | | m-Xylene | U | 5 | ug/l | 1 |
| | | o-Xylene | U | 5 | ug/l | 1 |
| | | p-Xylene | U | 5 | ug/l | 1 |
| | | Xylenes | U | 5 | ug/l | 1 |
| | | bis Chloromethyl Ether | * | * | ug/l | 1 |

DATE SAMPLED: 05/18/94 METHOD BLANK: VW052794
DATE ANALYZED: 05/27/94

IEA
An Aquarion Company

CLIENT:MONTGOMERY WATSON
CLIENT PROJECT#:55006604/161
CLIENT P.O.#:-
IEA PROJECT#:CH940870
MATRIX:WATER
METHOD:8260

# VOLATILE ORGANIC COMPOUNDS
## PROGRAM #2

ANALYST:_____

| LAB ID# | CLIENT ID | ANALYTE | RESULT | PQL | UNITS | DILUTION FACTOR |
|---|---|---|---|---|---|---|
| 940870009 | B11 | | | | | |
| | | Acetone | U | 10 | ug/l | 1 |
| | | Acrolein | U | 25 | ug/l | 1 |
| | | Acrylonitrile | U | 10 | ug/l | 1 |
| | | Benzene | U | 5 | ug/l | 1 |
| | | Bromobenzene | U | 5 | ug/l | 1 |
| | | Bromochloromethane | U | 5 | ug/l | 1 |
| | | Bromodichloromethane | U | 5 | ug/l | 1 |
| | | Bromoform | U | 5 | ug/l | 1 |
| | | Bromomethane | U | 10 | ug/l | 1 |
| | | 2-Butanone | U | 5 | ug/l | 1 |
| | | 1-Butanol | U | 100 | ug/l | 1 |
| | | 2-Butanol | U | 100 | ug/l | 1 |
| | | n-Butylbenzene | U | 5 | ug/l | 1 |
| | | sec-Butylbenzene | U | 5 | ug/l | 1 |
| | | tert-Butylbenzene | U | 5 | ug/l | 1 |
| | | Carbon Disulfide | U | 5 | ug/l | 1 |
| | | Carbon Tetrachloride | U | 5 | ug/l | 1 |
| | | Chlorobenzene | U | 5 | ug/l | 1 |
| | | Chlorodibromomethane | U | 5 | ug/l | 1 |
| | | Chloroethane | U | 10 | ug/l | 1 |
| | | 2-Chloroethyl Vinyl Ethyl | U | 10 | ug/l | 1 |
| | | Chloroform | U | 5 | ug/l | 1 |
| | | Chloromethane | U | 10 | ug/l | 1 |
| | | o-Chlorotoluene | U | 5 | ug/l | 1 |
| | | p-Chlorotoluene | U | 5 | ug/l | 1 |
| | | Cumene (Isopropyl Benzene) | U | 5 | ug/l | 1 |
| | | Cymene (p-Isopropyl Toluene) | U | 5 | ug/l | 1 |
| | | 1,2-Dibromo-3-Chloropropane | U | 5 | ug/l | 1 |
| | | trans-1,4-dichloro-2-butene | U | 5 | ug/l | 1 |
| | | 1,2-Dichlorobenzene | U | 5 | ug/l | 1 |
| | | 1,3-Dichlorobenzene | U | 5 | ug/l | 1 |
| | | 1,4-Dichlorobenzene | U | 5 | ug/l | 1 |
| | | Dichlorodifluoromethane | U | 5 | ug/l | 1 |
| | | 1,1-Dichloroethane | U | 5 | ug/l | 1 |
| | | 1,2-Dichloroethane | U | 5 | ug/l | 1 |
| | | 1,1-Dichloroethene | U | 5 | ug/l | 1 |
| | | total-1,2-Dichloroethene | U | 5 | ug/l | 1 |
| | | cis-1,2-Dichloroethene | U | 5 | ug/l | 1 |
| | | trans-1,2-Dichloroethene | U | 5 | ug/l | 1 |
| | | 1,2-Dichloropropane | U | 5 | ug/l | 1 |
| | | 1,3-Dichloropropane | U | 5 | ug/l | 1 |
| | | 2,2-Dichloropropane | U | 5 | ug/l | 1 |
| | | 1,1-Dichloropropene | U | 5 | ug/l | 1 |

IEA
An Aquarion Company

CLIENT:MONTGOMERY WATSON
CLIENT PROJECT#:55006604/161
CLIENT P.O.#:-
IEA PROJECT#:CH940870
MATRIX:WATER
METHOD:8260

# VOLATILE ORGANIC COMPOUNDS
## PROGRAM #2

ANALYST:_____

| AB ID# | CLIENT ID | ANALYTE | RESULT | PQL | UNITS | DILUTION FACTOR |
|---|---|---|---|---|---|---|
| 40870009 | B11 | | | | | |
| | | total-1,3-Dichloropropene | U | 5 | ug/l | 1 |
| | | cis-1,3-Dichloropropene | U | 5 | ug/l | 1 |
| | | trans-1,3-Dichloropropene | U | 5 | ug/l | 1 |
| | | 1,4-Difluorobenzene | U | 5 | ug/l | 1 |
| | | Ethyl Acetate | U | 5 | ug/l | 1 |
| | | Ethanol | U | 100 | ug/l | 1 |
| | | Ethyl Methacrylate | U | 5 | ug/l | 1 |
| | | Ethyl Benzene | U | 5 | ug/l | 1 |
| | | 1,2-Dibromoethane | U | 5 | ug/l | 1 |
| | | 2-Hexanone | U | 10 | ug/l | 1 |
| | | Iodomethane | U | 5 | ug/l | 1 |
| | | 4-Methyl-2-Pentanone | U | 10 | ug/l | 1 |
| | | Methylene Bromide | U | 5 | ug/l | 1 |
| | | Methylene Chloride | U | 5 | ug/l | 1 |
| | | 1-Propanol | U | 100 | ug/l | 1 |
| | | 2-Propanol | U | 100 | ug/l | 1 |
| | | n-Propylbenzene | U | 5 | ug/l | 1 |
| | | Styrene | U | 10 | ug/l | 1 |
| | | 1,1,1,2-Tetrachloroethane | U | 5 | ug/l | 1 |
| | | 1,1,2,2-Tetrachloroethane | U | 5 | ug/l | 1 |
| | | Tetrachloroethene | U | 5 | ug/l | 1 |
| | | Tetrahydrofuran | U | 5 | ug/l | 1 |
| | | Toluene | U | 5 | ug/l | 1 |
| | | 1,2,3-Trichlorobenzene | U | 5 | ug/l | 1 |
| | | 1,2,4-Trichlorobenzene | U | 5 | ug/l | 1 |
| | | 1,1,1-Trichloroethane | U | 5 | ug/l | 1 |
| | | 1,1,2-Trichloroethane | U | 5 | ug/l | 1 |
| | | Trichloroethene | U | 5 | ug/l | 1 |
| | | Trichlorofluoromethane | U | 5 | ug/l | 1 |
| | | 1,2,3-Trichloropropane | U | 5 | ug/l | 1 |
| | | 1,2,4-Trimethylbenzene | U | 5 | ug/l | 1 |
| | | 1,3,5-Trimethylbenzene | U | 5 | ug/l | 1 |
| | | Vinyl Acetate | U | 10 | ug/l | 1 |
| | | Vinyl Chloride | U | 2 | ug/l | 1 |
| | | m-Xylene | U | 5 | ug/l | 1 |
| | | o-Xylene | U | 5 | ug/l | 1 |
| | | p-Xylene | U | 5 | ug/l | 1 |
| | | Xylenes | U | 5 | ug/l | 1 |
| | | bis Chloromethyl Ether | * | * | ug/l | 1 |

DATE SAMPLED: 05/18/94 METHOD BLANK: VW060194
DATE ANALYZED: 06/01/94

IEA
An Aquarion Company

CLIENT:MONTGOMERY WATSON
CLIENT PROJECT#:55006604/161
CLIENT P.O.#:-
IEA PROJECT#:CH940870
MATRIX:WATER
METHOD:8260

# VOLATILE ORGANIC COMPOUNDS
## PROGRAM #2

ANALYST:_____

| LAB ID# | CLIENT ID | ANALYTE | RESULT | PQL | UNITS | DILUTION FACTOR |
|---|---|---|---|---|---|---|
| 940870010 | G108 | | | | | |
| | | Acetone | U | 10 | ug/l | 1 |
| | | Acrolein | U | 25 | ug/l | 1 |
| | | Acrylonitrile | U | 10 | ug/l | 1 |
| | | Benzene | U | 5 | ug/l | 1 |
| | | Bromobenzene | U | 5 | ug/l | 1 |
| | | Bromochloromethane | U | 5 | ug/l | 1 |
| | | Bromodichloromethane | U | 5 | ug/l | 1 |
| | | Bromoform | U | 5 | ug/l | 1 |
| | | Bromomethane | U | 10 | ug/l | 1 |
| | | 2-Butanone | U | 5 | ug/l | 1 |
| | | 1-Butanol | U | 100 | ug/l | 1 |
| | | 2-Butanol | U | 100 | ug/l | 1 |
| | | n-Butylbenzene | U | 5 | ug/l | 1 |
| | | sec-Butylbenzene | U | 5 | ug/l | 1 |
| | | tert-Butylbenzene | U | 5 | ug/l | 1 |
| | | Carbon Disulfide | U | 5 | ug/l | 1 |
| | | Carbon Tetrachloride | U | 5 | ug/l | 1 |
| | | Chlorobenzene | U | 5 | ug/l | 1 |
| | | Chlorodibromomethane | U | 5 | ug/l | 1 |
| | | Chloroethane | U | 10 | ug/l | 1 |
| | | 2-Chloroethyl Vinyl Ethyl | U | 10 | ug/l | 1 |
| | | Chloroform | U | 5 | ug/l | 1 |
| | | Chloromethane | U | 10 | ug/l | 1 |
| | | o-Chlorotoluene | U | 5 | ug/l | 1 |
| | | p-Chlorotoluene | U | 5 | ug/l | 1 |
| | | Cumene (Isopropyl Benzene) | U | 5 | ug/l | 1 |
| | | Cymene (p-Isopropyl Toluene) | U | 5 | ug/l | 1 |
| | | 1,2-Dibromo-3-Chloropropane | U | 5 | ug/l | 1 |
| | | trans-1,4-dichloro-2-butene | U | 5 | ug/l | 1 |
| | | 1,2-Dichlorobenzene | U | 5 | ug/l | 1 |
| | | 1,3-Dichlorobenzene | U | 5 | ug/l | 1 |
| | | 1,4-Dichlorobenzene | U | 5 | ug/l | 1 |
| | | Dichlorodifluoromethane | U | 5 | ug/l | 1 |
| | | 1,1-Dichloroethane | U | 5 | ug/l | 1 |
| | | 1,2-Dichloroethane | U | 5 | ug/l | 1 |
| | | 1,1-Dichloroethene | U | 5 | ug/l | 1 |
| | | total-1,2-Dichloroethene | 11 | 5 | ug/l | 1 |
| | | cis-1,2-Dichloroethene | 11 | 5 | ug/l | 1 |
| | | trans-1,2-Dichloroethene | U | 5 | ug/l | 1 |
| | | 1,2-Dichloropropane | U | 5 | ug/l | 1 |
| | | 1,3-Dichloropropane | U | 5 | ug/l | 1 |
| | | 2,2-Dichloropropane | U | 5 | ug/l | 1 |
| | | 1,1-Dichloropropene | U | 5 | ug/l | 1 |

IEA
An Aquarion Company

CLIENT:MONTGOMERY WATSON
CLIENT PROJECT#:55006604/161
CLIENT P.O.#:-
IEA PROJECT#:CH940870
MATRIX:WATER
METHOD:8260

# VOLATILE ORGANIC COMPOUNDS
## PROGRAM #2

ANALYST:_____

| LAB ID# | CLIENT ID | ANALYTE | RESULT | PQL | UNITS | DILUTION FACTOR |
|---|---|---|---|---|---|---|
| 940870010 | G108 | | | | | |
| | | total-1,3-Dichloropropene | U | 5 | ug/l | 1 |
| | | cis-1,3-Dichloropropene | U | 5 | ug/l | 1 |
| | | trans-1,3-Dichloropropene | U | 5 | ug/l | 1 |
| | | 1,4-Difluorobenzene | U | 5 | ug/l | 1 |
| | | Ethyl Acetate | U | 5 | ug/l | 1 |
| | | Ethanol | U | 100 | ug/l | 1 |
| | | Ethyl Methacrylate | U | 5 | ug/l | 1 |
| | | Ethyl Benzene | U | 5 | ug/l | 1 |
| | | 1,2-Dibromoethane | U | 5 | ug/l | 1 |
| | | 2-Hexanone | U | 10 | ug/l | 1 |
| | | Iodomethane | U | 5 | ug/l | 1 |
| | | 4-Methyl-2-Pentanone | U | 10 | ug/l | 1 |
| | | Methylene Bromide | U | 5 | ug/l | 1 |
| | | Methylene Chloride | U | 5 | ug/l | 1 |
| | | 1-Propanol | U | 100 | ug/l | 1 |
| | | 2-Propanol | U | 100 | ug/l | 1 |
| | | n-Propylbenzene | U | 5 | ug/l | 1 |
| | | Styrene | U | 10 | ug/l | 1 |
| | | 1,1,1,2-Tetrachloroethane | U | 5 | ug/l | 1 |
| | | 1,1,2,2-Tetrachloroethane | U | 5 | ug/l | 1 |
| | | Tetrachloroethene | U | 5 | ug/l | 1 |
| | | Tetrahydrofuran | U | 5 | ug/l | 1 |
| | | Toluene | U | 5 | ug/l | 1 |
| | | 1,2,3-Trichlorobenzene | U | 5 | ug/l | 1 |
| | | 1,2,4-Trichlorobenzene | U | 5 | ug/l | 1 |
| | | 1,1,1-Trichloroethane | U | 5 | ug/l | 1 |
| | | 1,1,2-Trichloroethane | U | 5 | ug/l | 1 |
| | | Trichloroethene | U | 5 | ug/l | 1 |
| | | Trichlorofluoromethane | U | 5 | ug/l | 1 |
| | | 1,2,3-Trichloropropane | U | 5 | ug/l | 1 |
| | | 1,2,4-Trimethylbenzene | U | 5 | ug/l | 1 |
| | | 1,3,5-Trimethylbenzene | U | 5 | ug/l | 1 |
| | | Vinyl Acetate | U | 10 | ug/l | 1 |
| | | Vinyl Chloride | U | 2 | ug/l | 1 |
| | | m-Xylene | U | 5 | ug/l | 1 |
| | | o-Xylene | U | 5 | ug/l | 1 |
| | | p-Xylene | U | 5 | ug/l | 1 |
| | | Xylenes | U | 5 | ug/l | 1 |
| | | bis Chloromethyl Ether | * | * | ug/l | 1 |

DATE SAMPLED: 05/18/94 METHOD BLANK: VW052794
DATE ANALYZED: 05/27/94

IEA
An Aquarion Company

CLIENT:MONTGOMERY WATSON
CLIENT PROJECT#:55006604/161
CLIENT P.O.#:-
IEA PROJECT#:CH940870
MATRIX:WATER
METHOD:8260

# VOLATILE ORGANIC COMPOUNDS
## PROGRAM #2

ANALYST:_____

| AB ID# | CLIENT ID | ANALYTE | RESULT | PQL | UNITS | DILUTION FACTOR |
|---|---|---|---|---|---|---|
| '40870011 | G107 | | | | | |
| | | Acetone | U | 10 | ug/l | 1 |
| | | Acrolein | U | 25 | ug/l | 1 |
| | | Acrylonitrile | U | 10 | ug/l | 1 |
| | | Benzene | U | 5 | ug/l | 1 |
| | | Bromobenzene | U | 5 | ug/l | 1 |
| | | Bromochloromethane | U | 5 | ug/l | 1 |
| | | Bromodichloromethane | U | 5 | ug/l | 1 |
| | | Bromoform | U | 5 | ug/l | 1 |
| | | Bromomethane | U | 10 | ug/l | 1 |
| | | 2-Butanone | U | 5 | ug/l | 1 |
| | | 1-Butanol | U | 100 | ug/l | 1 |
| | | 2-Butanol | U | 100 | ug/l | 1 |
| | | n-Butylbenzene | U | 5 | ug/l | 1 |
| | | sec-Butylbenzene | U | 5 | ug/l | 1 |
| | | tert-Butylbenzene | U | 5 | ug/l | 1 |
| | | Carbon Disulfide | U | 5 | ug/l | 1 |
| | | Carbon Tetrachloride | U | 5 | ug/l | 1 |
| | | Chlorobenzene | U | 5 | ug/l | 1 |
| | | Chlorodibromomethane | U | 5 | ug/l | 1 |
| | | Chloroethane | U | 10 | ug/l | 1 |
| | | 2-Chloroethyl Vinyl Ethyl | U | 10 | ug/l | 1 |
| | | Chloroform | U | 5 | ug/l | 1 |
| | | Chloromethane | U | 10 | ug/l | 1 |
| | | o-Chlorotoluene | U | 5 | ug/l | 1 |
| | | p-Chlorotoluene | U | 5 | ug/l | 1 |
| | | Cumene (Isopropyl Benzene) | U | 5 | ug/l | 1 |
| | | Cymene (p-Isopropyl Toluene) | U | 5 | ug/l | 1 |
| | | 1,2-Dibromo-3-Chloropropane | U | 5 | ug/l | 1 |
| | | trans-1,4-dichloro-2-butene | U | 5 | ug/l | 1 |
| | | 1,2-Dichlorobenzene | U | 5 | ug/l | 1 |
| | | 1,3-Dichlorobenzene | U | 5 | ug/l | 1 |
| | | 1,4-Dichlorobenzene | U | 5 | ug/l | 1 |
| | | Dichlorodifluoromethane | U | 5 | ug/l | 1 |
| | | 1,1-Dichloroethane | U | 5 | ug/l | 1 |
| | | 1,2-Dichloroethane | U | 5 | ug/l | 1 |
| | | 1,1-Dichloroethene | U | 5 | ug/l | 1 |
| | | total-1,2-Dichloroethene | U | 5 | ug/l | 1 |
| | | cis-1,2-Dichloroethene | U | 5 | ug/l | 1 |
| | | trans-1,2-Dichloroethene | U | 5 | ug/l | 1 |
| | | 1,2-Dichloropropane | U | 5 | ug/l | 1 |
| | | 1,3-Dichloropropane | U | 5 | ug/l | 1 |
| | | 2,2-Dichloropropane | U | 5 | ug/l | 1 |
| | | 1,1-Dichloropropene | U | 5 | ug/l | 1 |

IEA
An Aquarion Company

CLIENT:MONTGOMERY WATSON
CLIENT PROJECT#:55006604/161
CLIENT P.O.#:-
IEA PROJECT#:CH940870
MATRIX:WATER
METHOD:8260

# VOLATILE ORGANIC COMPOUNDS
## PROGRAM #2

ANALYST:_____

| AB ID# | CLIENT ID | ANALYTE | RESULT | PQL | UNITS | DILUTION FACTOR |
|---|---|---|---|---|---|---|
| 940870011 | G107 | | | | | |
| | | total-1,3-Dichloropropene | U | 5 | ug/l | 1 |
| | | cis-1,3-Dichloropropene | U | 5 | ug/l | 1 |
| | | trans-1,3-Dichloropropene | U | 5 | ug/l | 1 |
| | | 1,4-Difluorobenzene | U | 5 | ug/l | 1 |
| | | Ethyl Acetate | U | 5 | ug/l | 1 |
| | | Ethanol | U | 100 | ug/l | 1 |
| | | Ethyl Methacrylate | U | 5 | ug/l | 1 |
| | | Ethyl Benzene | U | 5 | ug/l | 1 |
| | | 1,2-Dibromoethane | U | 5 | ug/l | 1 |
| | | 2-Hexanone | U | 10 | ug/l | 1 |
| | | Iodomethane | U | 5 | ug/l | 1 |
| | | 4-Methyl-2-Pentanone | U | 10 | ug/l | 1 |
| | | Methylene Bromide | U | 5 | ug/l | 1 |
| | | Methylene Chloride | U | 5 | ug/l | 1 |
| | | 1-Propanol | U | 100 | ug/l | 1 |
| | | 2-Propanol | U | 100 | ug/l | 1 |
| | | n-Propylbenzene | U | 5 | ug/l | 1 |
| | | Styrene | U | 10 | ug/l | 1 |
| | | 1,1,1,2-Tetrachloroethane | U | 5 | ug/l | 1 |
| | | 1,1,2,2-Tetrachloroethane | U | 5 | ug/l | 1 |
| | | Tetrachloroethene | U | 5 | ug/l | 1 |
| | | Tetrahydrofuran | U | 5 | ug/l | 1 |
| | | Toluene | U | 5 | ug/l | 1 |
| | | 1,2,3-Trichlorobenzene | U | 5 | ug/l | 1 |
| | | 1,2,4-Trichlorobenzene | U | 5 | ug/l | 1 |
| | | 1,1,1-Trichloroethane | U | 5 | ug/l | 1 |
| | | 1,1,2-Trichloroethane | U | 5 | ug/l | 1 |
| | | Trichloroethene | U | 5 | ug/l | 1 |
| | | Trichlorofluoromethane | U | 5 | ug/l | 1 |
| | | 1,2,3-Trichloropropane | U | 5 | ug/l | 1 |
| | | 1,2,4-Trimethylbenzene | U | 5 | ug/l | 1 |
| | | 1,3,5-Trimethylbenzene | U | 5 | ug/l | 1 |
| | | Vinyl Acetate | U | 10 | ug/l | 1 |
| | | Vinyl Chloride | U | 2 | ug/l | 1 |
| | | m-Xylene | U | 5 | ug/l | 1 |
| | | o-Xylene | U | 5 | ug/l | 1 |
| | | p-Xylene | U | 5 | ug/l | 1 |
| | | Xylenes | U | 5 | ug/l | 1 |
| | | bis Chloromethyl Ether | * | * | ug/l | 1 |

DATE SAMPLED: 05/18/94 METHOD BLANK: VW052794
DATE ANALYZED: 05/28/94

IEA
An Aquarion Company

CLIENT:MONTGOMERY WATSON
CLIENT PROJECT#:55006604/161
CLIENT P.O.#:-
IEA PROJECT#:CH940870
MATRIX:WATER
METHOD:8260

# VOLATILE ORGANIC COMPOUNDS
# PROGRAM #2

ANALYST:_____

| AB ID# | CLIENT ID | ANALYTE | RESULT | PQL | UNITS | DILUTION FACTOR |
|---|---|---|---|---|---|---|
| 40870012 | G120B | | | | | |
| | | Acetone | U | 10 | ug/l | 1 |
| | | Acrolein | U | 25 | ug/l | 1 |
| | | Acrylonitrile | U | 10 | ug/l | 1 |
| | | Benzene | U | 5 | ug/l | 1 |
| | | Bromobenzene | U | 5 | ug/l | 1 |
| | | Bromochloromethane | U | 5 | ug/l | 1 |
| | | Bromodichloromethane | U | 5 | ug/l | 1 |
| | | Bromoform | U | 5 | ug/l | 1 |
| | | Bromomethane | U | 10 | ug/l | 1 |
| | | 2-Butanone | U | 5 | ug/l | 1 |
| | | 1-Butanol | U | 100 | ug/l | 1 |
| | | 2-Butanol | U | 100 | ug/l | 1 |
| | | n-Butylbenzene | U | 5 | ug/l | 1 |
| | | sec-Butylbenzene | U | 5 | ug/l | 1 |
| | | tert-Butylbenzene | U | 5 | ug/l | 1 |
| | | Carbon Disulfide | U | 5 | ug/l | 1 |
| | | Carbon Tetrachloride | U | 5 | ug/l | 1 |
| | | Chlorobenzene | U | 5 | ug/l | 1 |
| | | Chlorodibromomethane | U | 5 | ug/l | 1 |
| | | Chloroethane | U | 10 | ug/l | 1 |
| | | 2-Chloroethyl Vinyl Ethyl | U | 10 | ug/l | 1 |
| | | Chloroform | U | 5 | ug/l | 1 |
| | | Chloromethane | U | 10 | ug/l | 1 |
| | | o-Chlorotoluene | U | 5 | ug/l | 1 |
| | | p-Chlorotoluene | U | 5 | ug/l | 1 |
| | | Cumene (Isopropyl Benzene) | U | 5 | ug/l | 1 |
| | | Cymene (p-Isopropyl Toluene) | U | 5 | ug/l | 1 |
| | | 1,2-Dibromo-3-Chloropropane | U | 5 | ug/l | 1 |
| | | trans-1,4-dichloro-2-butene | U | 5 | ug/l | 1 |
| | | 1,2-Dichlorobenzene | U | 5 | ug/l | 1 |
| | | 1,3-Dichlorobenzene | U | 5 | ug/l | 1 |
| | | 1,4-Dichlorobenzene | U | 5 | ug/l | 1 |
| | | Dichlorodifluoromethane | U | 5 | ug/l | 1 |
| | | 1,1-Dichloroethane | 7 | 5 | ug/l | 1 |
| | | 1,2-Dichloroethane | U | 5 | ug/l | 1 |
| | | 1,1-Dichloroethene | U | 5 | ug/l | 1 |
| | | total-1,2-Dichloroethene | 43 | 5 | ug/l | 1 |
| | | cis-1,2-Dichloroethene | 43 | 5 | ug/l | 1 |
| | | trans-1,2-Dichloroethene | U | 5 | ug/l | 1 |
| | | 1,2-Dichloropropane | U | 5 | ug/l | 1 |
| | | 1,3-Dichloropropane | U | 5 | ug/l | 1 |
| | | 2,2-Dichloropropane | U | 5 | ug/l | 1 |
| | | 1,1-Dichloropropene | U | 5 | ug/l | 1 |

IEA
An Aquarion Company

CLIENT:MONTGOMERY WATSON
CLIENT PROJECT#:55006604/161
CLIENT P.O.#:-
IEA PROJECT#:CH940870
MATRIX:WATER
METHOD:8260

# VOLATILE ORGANIC COMPOUNDS
# PROGRAM #2

ANALYST:_____

| LB ID# | CLIENT ID | ANALYTE | RESULT | PQL | UNITS | DILUTION FACTOR |
|---|---|---|---|---|---|---|
| 40870012 | G120B | | | | | |
| | | total-1,3-Dichloropropene | U | 5 | ug/l | 1 |
| | | cis-1,3-Dichloropropene | U | 5 | ug/l | 1 |
| | | trans-1,3-Dichloropropene | U | 5 | ug/l | 1 |
| | | 1,4-Difluorobenzene | U | 5 | ug/l | 1 |
| | | Ethyl Acetate | U | 5 | ug/l | 1 |
| | | Ethanol | U | 100 | ug/l | 1 |
| | | Ethyl Methacrylate | U | 5 | ug/l | 1 |
| | | Ethyl Benzene | U | 5 | ug/l | 1 |
| | | 1,2-Dibromoethane | U | 5 | ug/l | 1 |
| | | 2-Hexanone | U | 10 | ug/l | 1 |
| | | Iodomethane | U | 5 | ug/l | 1 |
| | | 4-Methyl-2-Pentanone | U | 10 | ug/l | 1 |
| | | Methylene Bromide | U | 5 | ug/l | 1 |
| | | Methylene Chloride | U | 5 | ug/l | 1 |
| | | 1-Propanol | U | 100 | ug/l | 1 |
| | | 2-Propanol | U | 100 | ug/l | 1 |
| | | n-Propylbenzene | U | 5 | ug/l | 1 |
| | | Styrene | U | 10 | ug/l | 1 |
| | | 1,1,1,2-Tetrachloroethane | U | 5 | ug/l | 1 |
| | | 1,1,2,2-Tetrachloroethane | U | 5 | ug/l | 1 |
| | | Tetrachloroethene | 5 | 5 | ug/l | 1 |
| | | Tetrahydrofuran | U | 5 | ug/l | 1 |
| | | Toluene | U | 5 | ug/l | 1 |
| | | 1,2,3-Trichlorobenzene | U | 5 | ug/l | 1 |
| | | 1,2,4-Trichlorobenzene | U | 5 | ug/l | 1 |
| | | 1,1,1-Trichloroethane | U | 5 | ug/l | 1 |
| | | 1,1,2-Trichloroethane | U | 5 | ug/l | 1 |
| | | Trichloroethene | 10 | 5 | ug/l | 1 |
| | | Trichlorofluoromethane | U | 5 | ug/l | 1 |
| | | 1,2,3-Trichloropropane | U | 5 | ug/l | 1 |
| | | 1,2,4-Trimethylbenzene | U | 5 | ug/l | 1 |
| | | 1,3,5-Trimethylbenzene | U | 5 | ug/l | 1 |
| | | Vinyl Acetate | U | 10 | ug/l | 1 |
| | | Vinyl Chloride | U | 2 | ug/l | 1 |
| | | m-Xylene | U | 5 | ug/l | 1 |
| | | o-Xylene | U | 5 | ug/l | 1 |
| | | p-Xylene | U | 5 | ug/l | 1 |
| | | Xylenes | U | 5 | ug/l | 1 |
| | | bis Chloromethyl Ether | * | * | ug/l | 1 |

DATE SAMPLED: 05/18/94 METHOD BLANK: VW052794
DATE ANALYZED: 05/28/94

WARZYN

Program 2

010275

# CHAIN OF CUSTODY RECORD

| PROJECT No. | PROJECT NAME |
|---|---|
| 9006607/161 | Winnebago Reclamation Landfill |
| | CITY & STATE: Rockford, IL |

SAMPLERS (Signature): [signature] [signature] [signature]

| LAB No. | DATE | TIME | COMP. | GRAB | STATION LOCATION | No. OF CONTAINERS | VOC's | | | | | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5/15/99 | 0900 | | x | G109 | 4 | ✓ | | | | | | |
| | | 0910 | | | G109A | 4 | ✓ | | | | | | |
| | | 1020 | | | G113A | 4 | ✓ | | | | | | |
| | | 1030 | | | G113 | 4 | ✓ | | | | | | |
| | | 1145 | | | B13 | 4 | ✓ | | | | | | |
| | | 1145 | | | P6 | 4 | ✓ | | | | | | |
| | | 1130 | | | Bailer Blank 01 | 4 | ✓ | | | | | | |
| | | 1420 | | | B11A | 4 | ✓ | | | | | | |
| | | 1420 | | | B11 | 4 | ✓ | | | | | | |
| | | 1520 | | | G108 | 4 | ✓ | | | | | | |
| | | 1530 | | | G107 | 4 | ✓ | | | | | | |
| | | 1610 | | | G120B | 4 | ✓ | | | | | | |

| Relinquished by: (Signature) | Date / Time | Received by: (Signature) | Relinquished by: (Signature) | Date / Time | Received by: (Signature) |
|---|---|---|---|---|---|
| [signature] | 5/15/99 1800 | | | | |
| Relinquished by: (Signature) | Date / Time | Received by: (Signature) | Relinquished by: (Signature) | Date / Time | Received by: (Signature) |
| | | | | | |
| Relinquished by: (Signature) | Date / Time | Received for Laboratory by: (Signature) | | Date/Time | |
| | | [signature] | | 5/18/99 10:00 | |

REMARKS

PROJECT MANAGER: S. Tonschek

Ship to: IEA
Fed. Ex # 8750365713
[illegible]

**MONTGOMERY WATSON**
Analytical Testing Services

April 21, 1995

Mr. Thomas Hilbert
Enviromental Engineer
Winnebago Reclamation
8403 Lindenwood Road
Rockford, Illinois 61109

Re: Winnebago Reclamation
Program 2
Sampled March 1995

Dear Mr. Hilbert:

Enclosed are two copies of the analytical results, diskette and chain-of-custody for the samples collected in March 1995. Please feel free to call if you have any questions.

Sincerely,

MONTGOMERY WATSON
Analytical Testing Services

Sheila M. Tauschek/CAW

Sheila M. Tauschek
Project Manager

Enclosures: As Stated

cc: S. Tauschek

SMT/kak/GLG
G:\DMGMT\LETTERS\41220031.DOC
L10456

University Research Park
One Science Court

Tel: 608 231 4747
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MONTGOMERY WATSON
Analytical Testing Services

University Research Park
One Science Court
Madison, Wisconsin 53711
Tel: 608 231 4747 • Fax: 608 231 4777

## METHOD REFERENCES

| Analytes | Aqueous | Non-Aqueous |
|---|---|---|
| Acidity | 305.2 | - |
| Alkalinity, Total | 310.1 / 310.2 | - |
| Alkalinity, Phenolphthalein | SM2320 | - |
| Alkalinity, Bicarbonate | SM2320 | - |
| Alkalinity, Carbonate | SM2320 | - |
| BOD-5 day | SM5210,4500-0 | - |
| Carbon, Percent Organic | - | 29-3.5.3 |
| Carbon, Total Organic (TOC) | 415.1 | - |
| Chloride | 325.2 | - |
| Chlorine, Residual | 330.3 | - |
| Chromium, Hexavalent | SM3500D | - |
| COD | 410.4 | - |
| Cyanide, Total | 335.3 | 9012 |
| Cyanide, Amenable | 335.1 | 9012 |
| Cyanide, Reactive | SW7.3 | SW7.3 |
| Density | SM2710F | SM2710F |
| Flashpoint, Closed Cup | SW1010 | SW1010 |
| Flashpoint, Open Cup | ASTMD4206 | ASTMD4206 |
| Fluoride | 340.2 | - |
| Hardness, Total | 130.1 | - |
| Nitrogen, Ammonia | 350.2 | 350.2 |
| Nitrogen, Nitrate | 353.2 | - |
| Nitrogen, Nitrite | 353.2 | - |
| Nitrogen, Nitrate + Nitrite | 353.2 | - |
| Nitrogen, Total Kjeldahl (TKN) | 351.3 | 351.3 |
| Nitrogen, Total Organic (TON) | 350.2 & 351.3 | 350.2 & 351.3 |
| Oil & grease | 413.1 | 9071 |
| Oil & grease (Polar) | 413.1 | 9071 |
| Oil & grease (Non-polar) | 5520F | - |
| Paint Filter Test | 9095 | 9095 |
| pH | 150.1 | 9045 |
| Phenol, Total | 420.2 | 9066 |
| Phosphorus, Total | 365.1 | 365.1 |
| Phosphorus, Ortho | 365.2 | - |
| Solids, Total | 160.3 | 160.3 |
| Solids, Total Dissolved | 160.1 | - |
| Solids, Total Suspended | 160.2 | - |
| Solids, Total Volatile | 160.4 | - |
| Solids, Total Volatile Suspended | 160.4 | - |
| Specific Conductance | 120.1 | - |
| Specific Weight | SM2710F | SM2710F |
| Sulfate | 375.2 | - |
| Sulfide, Total | 376.1 | 9030 |
| Sulfide, Reactive | SW7.3 | SW7.3 |
| Sulfite | 377.1 | - |
| Turbidity | 180.1 | - |
| TRPH | 418.1 & 9073 | 418.1 & 9073 |

SW846, "Test Methods for Evaluating Solid Waste", 3rd Ed., December 1987.

EPA-600, "Methods for Chemical Analysis of Water and Wastes", March 1984.

Standard Methods for the Examination of Water and Wastewater", 17th Edition, 1989.

MONTGOMERY WATSON
Analytical Testing Services

University Research Park
One Science Court
Madison, Wisconsin 53711
Tel: 608 231 4747 • Fax: 608 231 4777

## METHOD REFERENCES

| | Soil/Groundwater | | | | Wastewater | | | |
|---|---|---|---|---|---|---|---|---|
| Analytes | ICP | Flame | Furnace | CV | ICP | Flame | Furnace | CV |
| Aluminium | 6010 | 7020 | - | - | 200.7 | 202.1 | - | - |
| Antimony | 6010 | 7040 | 7041 | - | 200.7 | - | 204.2 | - |
| Arsenic | 6010 | - | 7060 | - | 200.7 | - | 206.2 | - |
| Barium | 6010 | 7080 | 7081 | - | 200.7 | 208.1 | 208.2 | - |
| Beryllium | 6010 | 7090 | 7091 | - | 200.7 | 210.1 | 210.2 | - |
| Boron | 6010 | - | - | - | 200.7 | - | - | - |
| Cadmium | 6010 | 7130 | 7131 | - | 200.7 | 213.1 | 213.2 | - |
| Calcium | 6010 | 7140 | | - | 200.7 | 215.1 | - | - |
| Chromium, Total | 6010 | 7190 | 7191 | - | 200.7 | 218.1 | 218.2 | - |
| Cobalt | 6010 | 7200 | - | - | 200.7 | 219.1 | - | - |
| Copper | 6010 | 7210 | - | - | 200.7 | 220.1 | - | - |
| Iron | 6010 | 7380 | - | - | 200.7 | 236.1 | - | - |
| Lead | 6010 | 7420 | 7421 | - | 200.7 | 239.1 | 239.2 | - |
| Magnesium | 6010 | 7450 | - | - | 200.7 | 242.1 | - | - |
| Manganese | 6010 | 7460 | - | - | 200.7 | 243.1 | - | - |
| Mercury | - | - | - | 7470/7471 | | | | 245.1 |
| Molybdenum | 6010 | 7480 | - | - | 200.7 | 246.1 | - | - |
| Nickel | 6010 | 7520 | - | - | 200.7 | 249.1 | - | - |
| Potassium | - | SM3500D | - | - | - | SM3500D | - | - |
| Selenium | 6010 | - | 7740 | - | 200.7 | - | 270.2 | - |
| Silver | 6010 | 7760 | 7761 | - | 200.7 | 272.1 | 272.2 | - |
| Sodium | 6010 | SM3500D | - | - | 200.7 | SM3500D | - | - |
| Strontium | 6010 | - | - | - | 200.7 | - | - | - |
| Thallium | 6010 | 7840 | 7841 | - | 200.7 | 279.1 | 279.2 | - |
| Tin | 6010 | - | - | - | 200.7 | - | - | - |
| Titanium | 6010 | - | - | - | 200.7 | - | - | - |
| Vanadium | 6010 | 7910 | 7911 | - | 200.7 | 286.1 | 286.2 | - |
| Zinc | 6010 | 7950 | - | - | 200.7 | 289.1 | - | - |

SW846, "Test Methods for Evaluating Solid Waste", 3rd Ed., December 1987.

EPA-600, "Methods for Chemical Analysis of Water and Wastes", March 1984.

Standard Methods for the Examination of Water and Wastewater", 17th Edition, 1989.

**MONTGOMERY WATSON**
Analytical Testing Services

University Research Park
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Madison, Wisconsin 53711
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## METHOD REFERENCES

| Compounds | Soil/Groundwater | Wastewater |
|---|---|---|
| Alcohol | 8015* | 8015* |
| BEXT | 8020*** | 602 |
| DRO | Modified DRO | Modified DRO |
| GRO | Modified GRO*** | Modified GRO |
| Herbicides | 8150 | 8150 |
| Pesticides | 8080 | 608 |
| Pesticide/PCBs | 8080 | 608 |
| PCBs | 8080** | 608 |
| PCBs | 8080**** | 608 |
| PCP Screen | 8040**** | 8040**** |
| PNA (GC/MS) | 8270 | 8270 |
| PNA (HPLC) | 8310 | 8310 |
| PVOCs | 8020*** | 8020 |
| SVOCs | 8270 | 8270 |
| TPH | D-3328-78* | D-3328-78* |
| TRPH | 418.1 & 9073 | 418.1 & 9073 |
| VOCs | 8021 | 8021 |
| VOCs | 8010/8020*** | 601/602 |
| Solids, Total | 160.3 | 160.3 |

SW846, "Test Methods for Evaluating Solid Waste", 3rd Ed., December 1987.

EPA-600, "Methods for Organic Chemical Analysis of Water and Wastes", March, 1984.

ASTM, "Annual Book of ASTM Standards", 1990.

Wisconsin DNR Modified 9073 TRPH, PUBL-SW-140, Wisconsin DNR, April 1992.

Wisconsin DNR Modified DRO, PUBL-SW-141, Wisconsin DNR, July 1993.

Wisconsin DNR Modified GRO, PUBL-SW-140, Wisconsin DNR, July 1993.

* With Modifications
** With Modfications for Oil Matrix
*** With Modfications for Soil Gas Matrix
**** With Modifications for Wipe Matrix

**MONTGOMERY WATSON**
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INORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Sample Date | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| L10456-001 | GWG116A | Alkalinity, Total | 307 | 10 | GroundH2O | mg/L | 30-MAR-95 | 04-APR-95 |
| | | Aluminum | < 0.05 | 0.05 | GroundH2O | mg/L | 30-MAR-95 | 06-APR-95 |
| | | Antimony | < 0.002 | 0.002 | GroundH2O | mg/L | 30-MAR-95 | 13-APR-95 |
| | | Arsenic | < 0.001 | 0.001 | GroundH2O | mg/L | 30-MAR-95 | 13-APR-95 |
| | | Barium | 0.24 | 0.01 | GroundH2O | mg/L | 30-MAR-95 | 11-APR-95 |
| | | Beryllium | < 0.0002 | 0.0002 | GroundH2O | mg/L | 30-MAR-95 | 17-APR-95 |
| | | Biochemical Oxygen Demand | < 1 | 1 | GroundH2O | mg/L | 30-MAR-95 | 31-MAR-95 |
| | | Boron | < 0.10 | 0.10 | GroundH2O | mg/L | 30-MAR-95 | 07-APR-95 |
| | | Cadmium | < 0.0002 | 0.0002 | GroundH2O | mg/L | 30-MAR-95 | 17-APR-95 |
| | | Calcium | 79.6 | 1.00 | GroundH2O | mg/L | 30-MAR-95 | 06-APR-95 |
| | | Chemical Oxygen Demand | < 20 | 20 | GroundH2O | mg/L | 30-MAR-95 | 04-APR-95 |
| | | Chloride | 38 | 2 | GroundH2O | mg/L | 30-MAR-95 | 05-APR-95 |
| | | Chromium, Total | < 0.01 | 0.01 | GroundH2O | mg/L | 30-MAR-95 | 06-APR-95 |
| | | Cobalt | < 0.01 | 0.01 | GroundH2O | mg/L | 30-MAR-95 | 11-APR-95 |
| | | Copper | < 0.01 | 0.01 | GroundH2O | mg/L | 30-MAR-95 | 06-APR-95 |
| | | Cyanide, Total | < 0.005 | 0.005 | GroundH2O | mg/L | 30-MAR-95 | 07-APR-95 |
| | | Fluoride | < 0.10 | 0.10 | GroundH2O | mg/L | 30-MAR-95 | 10-APR-95 |
| | | Iron | < 0.02 | 0.02 | GroundH2O | mg/L | 30-MAR-95 | 06-APR-95 |
| | | Lead | < 0.0015 | 0.0015 | GroundH2O | mg/L | 30-MAR-95 | 12-APR-95 |
| | | Magnesium | 39.4 | 1.00 | GroundH2O | mg/L | 30-MAR-95 | 06-APR-95 |
| | | Manganese | 0.37 | 0.01 | GroundH2O | mg/L | 30-MAR-95 | 06-APR-95 |
| | | Mercury | < 0.0002 | 0.0002 | GroundH2O | mg/L | 30-MAR-95 | 07-APR-95 |
| | | Nickel | < 0.02 | 0.02 | GroundH2O | mg/L | 30-MAR-95 | 11-APR-95 |
| | | Nitrogen, Ammonia | 3.66 | 0.10 | GroundH2O | mg/L | 30-MAR-95 | 07-APR-95 |
| | | Nitrogen, Nitrate | 8.63 | 0.02 | GroundH2O | mg/L | 30-MAR-95 | 07-APR-95 |
| | | Potassium | 4.20 | 0.10 | GroundH2O | mg/L | 30-MAR-95 | 13-APR-95 |
| | | Selenium | < 0.002 | 0.002 | GroundH2O | mg/L | 30-MAR-95 | 12-APR-95 |
| | | Silver | < 0.01 | 0.01 | GroundH2O | mg/L | 30-MAR-95 | 17-APR-95 |
| | | Sodium | 12.4 | 2.00 | GroundH2O | mg/L | 30-MAR-95 | 06-APR-95 |
| | | Solids, Total Dissolved | 430 | 20 | GroundH2O | mg/L | 30-MAR-95 | 06-APR-95 |
| | | Sulfate | 25 | 10 | GroundH2O | mg/L | 30-MAR-95 | 05-APR-95 |
| | | Thallium | < 0.001 | 0.001 | GroundH2O | mg/L | 30-MAR-95 | 14-APR-95 |
| | | Tin | < 0.20 | 0.20 | GroundH2O | mg/L | 30-MAR-95 | 08-APR-95 |
| | | Vanadium | < 0.02 | 0.02 | GroundH2O | mg/L | 30-MAR-95 | 06-APR-95 |
| | | Zinc | < 0.01 | 0.01 | GroundH2O | mg/L | 30-MAR-95 | 06-APR-95 |
| | | pH | 7.19 | 0.01 | GroundH2O | S.U. | 30-MAR-95 | 31-MAR-95 |

Chk'd: KJL App'd: CAW
Date App'd: 4.20.95

WI Lab Certification ID#: 113138300

**MONTGOMERY WATSON**
Analytical Testing Services

University Research Park
One Science Court
Madison, Wisconsin 53711
Tel: 608 231 4747 • Fax: 608 231 4777

INORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Sample Date | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| L10456-002 | GWG116 | Alkalinity, Total | 208 | 10 | GroundH20 | mg/L | 30-MAR-95 | 04-APR-95 |
| | | Aluminum | 0.18 | 0.05 | GroundH20 | mg/L | 30-MAR-95 | 11-APR-95 |
| | | Antimony | < 0.002 | 0.002 | GroundH20 | mg/L | 30-MAR-95 | 13-APR-95 |
| | | Arsenic | < 0.001 | 0.001 | GroundH20 | mg/L | 30-MAR-95 | 13-APR-95 |
| | | Barium | 0.04 | 0.01 | GroundH20 | mg/L | 30-MAR-95 | 11-APR-95 |
| | | Beryllium | < 0.0002 | 0.0002 | GroundH20 | mg/L | 30-MAR-95 | 17-APR-95 |
| | | Biochemical Oxygen Demand | < 1 | 1 | GroundH20 | mg/L | 30-MAR-95 | 31-MAR-95 |
| | | Boron | < 0.10 | 0.10 | GroundH20 | mg/L | 30-MAR-95 | 07-APR-95 |
| | | Cadmium | < 0.0002 | 0.0002 | GroundH20 | mg/L | 30-MAR-95 | 17-APR-9 |
| | | Calcium | 73.2 | 1.00 | GroundH20 | mg/L | 30-MAR-95 | 06-APR-95 |
| | | Chemical Oxygen Demand | 247 | 20 | GroundH20 | mg/L | 30-MAR-95 | 04-APR-95 |
| | | Chloride | 13 | 2 | GroundH20 | mg/L | 30-MAR-95 | 05-APR-95 |
| | | Chromium, Total | < 0.01 | 0.01 | GroundH20 | mg/L | 30-MAR-95 | 06-APR-95 |
| | | Cobalt | < 0.01 | 0.01 | GroundH20 | mg/L | 30-MAR-95 | 11-APR-95 |
| | | Copper | < 0.01 | 0.01 | GroundH20 | mg/L | 30-MAR-95 | 06-APR-95 |
| | | Cyanide, Total | < 0.005 | 0.005 | GroundH20 | mg/L | 30-MAR-95 | 07-APR-95 |
| | | Fluoride | 0.20 | 0.10 | GroundH20 | mg/L | 30-MAR-95 | 11-APR-95 |
| | | Iron | 0.11 | 0.02 | GroundH20 | mg/L | 30-MAR-95 | 06-APR-95 |
| | | Lead | < 0.0015 | 0.0015 | GroundH20 | mg/L | 30-MAR-95 | 12-APR-95 |
| | | Magnesium | 24.3 | 1.00 | GroundH20 | mg/L | 30-MAR-95 | 06-APR-95 |
| | | Manganese | 0.01 | 0.01 | GroundH20 | mg/L | 30-MAR-95 | 06-APR-95 |
| | | Mercury | < 0.0002 | 0.0002 | GroundH20 | mg/L | 30-MAR-95 | 07-APR-95 |
| | | Nickel | < 0.02 | 0.02 | GroundH20 | mg/L | 30-MAR-95 | 11-APR-95 |
| | | Nitrogen, Ammonia | 0.13 | 0.10 | GroundH20 | mg/L | 30-MAR-95 | 07-APR-95 |
| | | Nitrogen, Nitrate | 4.87 | 0.02 | GroundH20 | mg/L | 30-MAR-95 | 07-APR-95 |
| | | Potassium | 0.89 | 0.10 | GroundH20 | mg/L | 30-MAR-95 | 13-APR-95 |
| | | Selenium | < 0.002 | 0.002 | GroundH20 | mg/L | 30-MAR-95 | 12-APR-95 |
| | | Silver | < 0.01 | 0.01 | GroundH20 | mg/L | 30-MAR-95 | 17-APR-95 |
| | | Sodium | 4.64 | 2.00 | GroundH20 | mg/L | 30-MAR-95 | 11-APR-95 |
| | | Solids, Total Dissolved | 358 | 20 | GroundH20 | mg/L | 30-MAR-95 | 06-APR-95 |
| | | Sulfate | 40 | 10 | GroundH20 | mg/L | 30-MAR-95 | 05-APR-95 |
| | | Thallium | < 0.001 | 0.001 | GroundH20 | mg/L | 30-MAR-95 | 14-APR-95 |
| | | Tin | < 0.20 | 0.20 | GroundH20 | mg/L | 30-MAR-95 | 08-APR-95 |
| | | Vanadium | < 0.02 | 0.02 | GroundH20 | mg/L | 30-MAR-95 | 06-APR-95 |
| | | Zinc | 0.02 | 0.01 | GroundH20 | mg/L | 30-MAR-95 | 06-APR-95 |
| | | pH | 7.38 | 0.01 | GroundH20 | S.U. | 30-MAR-95 | 31-MAR-95 |

Chk'd: App'd:
Date App'd: 4.20.95

WI Lab Certification ID#: 113138300

**MONTGOMERY WATSON**
Analytical Testing Services

University Research Park
One Science Court
Madison, Wisconsin 53711
Tel: 608 231 4747 • Fax: 608 231 4777

INORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Sample Date | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| L10456-003 | GWG1160 | Alkalinity, Total | 295 | 10 | GroundH2O | mg/L | 30-MAR-95 | 04-APR-95 |
| | | Aluminum | < 0.05 | 0.05 | GroundH2O | mg/L | 30-MAR-95 | 06-APR-95 |
| | | Antimony | < 0.002 | 0.002 | GroundH2O | mg/L | 30-MAR-95 | 20-APR-95 |
| | | Arsenic | < 0.001 | 0.001 | GroundH2O | mg/L | 30-MAR-95 | 13-APR-95 |
| | | Barium | 0.09 | 0.01 | GroundH2O | mg/L | 30-MAR-95 | 11-APR-95 |
| | | Beryllium | < 0.0002 | 0.0002 | GroundH2O | mg/L | 30-MAR-95 | 17-APR-95 |
| | | Biochemical Oxygen Demand | < 1 | 1 | GroundH2O | mg/L | 30-MAR-95 | 31-MAR-95 |
| | | Boron | < 0.10 | 0.10 | GroundH2O | mg/L | 30-MAR-95 | 07-APR-95 |
| | | Cadmium | 0.0011 | 0.0002 | GroundH2O | mg/L | 30-MAR-95 | 08-APR-95 |
| | | Calcium | 69.6 | 1.00 | GroundH2O | mg/L | 30-MAR-95 | 06-APR-95 |
| | | Chemical Oxygen Demand | < 20 | 20 | GroundH2O | mg/L | 30-MAR-95 | 04-APR-95 |
| | | Chloride | 17 | 2 | GroundH2O | mg/L | 30-MAR-95 | 05-APR-95 |
| | | Chromium, Total | < 0.01 | 0.01 | GroundH2O | mg/L | 30-MAR-95 | 06-APR-95 |
| | | Cobalt | < 0.01 | 0.01 | GroundH2O | mg/L | 30-MAR-95 | 11-APR-95 |
| | | Copper | < 0.01 | 0.01 | GroundH2O | mg/L | 30-MAR-95 | 06-APR-95 |
| | | Cyanide, Total | < 0.005 | 0.005 | GroundH2O | mg/L | 30-MAR-95 | 07-APR-95 |
| | | Fluoride | 0.12 | 0.10 | GroundH2O | mg/L | 30-MAR-95 | 10-APR-95 |
| | | Iron | < 0.02 | 0.02 | GroundH2O | mg/L | 30-MAR-95 | 06-APR-95 |
| | | Lead | < 0.0015 | 0.0015 | GroundH2O | mg/L | 30-MAR-95 | 12-APR-95 |
| | | Magnesium | 36.5 | 1.00 | GroundH2O | mg/L | 30-MAR-95 | 06-APR-95 |
| | | Manganese | < 0.01 | 0.01 | GroundH2O | mg/L | 30-MAR-95 | 06-APR-95 |
| | | Mercury | < 0.0002 | 0.0002 | GroundH2O | mg/L | 30-MAR-95 | 07-APR-95 |
| | | Nickel | < 0.02 | 0.02 | GroundH2O | mg/L | 30-MAR-95 | 11-APR-95 |
| | | Nitrogen, Ammonia | < 0.10 | 0.10 | GroundH2O | mg/L | 30-MAR-95 | 07-APR-95 |
| | | Nitrogen, Nitrate | 3.42 | 0.02 | GroundH2O | mg/L | 30-MAR-95 | 07-APR-95 |
| | | Potassium | 1.17 | 0.10 | GroundH2O | mg/L | 30-MAR-95 | 13-APR-95 |
| | | Selenium | < 0.002 | 0.002 | GroundH2O | mg/L | 30-MAR-95 | 12-APR-95 |
| | | Silver | < 0.01 | 0.01 | GroundH2O | mg/L | 30-MAR-95 | 17-APR-95 |
| | | Sodium | 4.30 | 2.00 | GroundH2O | mg/L | 30-MAR-95 | 06-APR-95 |
| | | Solids, Total Dissolved | 364 | 20 | GroundH2O | mg/L | 30-MAR-95 | 06-APR-95 |
| | | Sulfate | 28 | 10 | GroundH2O | mg/L | 30-MAR-95 | 05-APR-95 |
| | | Thallium | < 0.001 | 0.001 | GroundH2O | mg/L | 30-MAR-95 | 14-APR-95 |
| | | Tin | < 0.20 | 0.20 | GroundH2O | mg/L | 30-MAR-95 | 08-APR-95 |
| | | Vanadium | < 0.02 | 0.02 | GroundH2O | mg/L | 30-MAR-95 | 06-APR-95 |
| | | Zinc | < 0.01 | 0.01 | GroundH2O | mg/L | 30-MAR-95 | 06-APR-95 |
| | | pH | 7.29 | 0.01 | GroundH2O | S.U. | 30-MAR-95 | 31-MAR-95 |

Chk'd: App'd:
Date App'd: 4.20.95

WI Lab Certification ID#: 113138300

**MONTGOMERY WATSON**
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Tel: 608 231 4747 • Fax: 608 231 4777

INORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Sample Date | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| L10456-004 | GWG34S | Alkalinity, Total | 408 | 10 | GroundH2O | mg/L | 30-MAR-95 | 04-APR-95 |
| | | Aluminum | 0.05 | 0.05 | GroundH2O | mg/L | 30-MAR-95 | 06-APR-95 |
| | | Antimony | < 0.002 | 0.002 | GroundH2O | mg/L | 30-MAR-95 | 20-APR-95 |
| | | Arsenic | < 0.001 | 0.001 | GroundH2O | mg/L | 30-MAR-95 | 13-APR-95 |
| | | Barium | 0.25 | 0.01 | GroundH2O | mg/L | 30-MAR-95 | 11-APR-95 |
| | | Beryllium | < 0.0002 | 0.0002 | GroundH2O | mg/L | 30-MAR-95 | 17-APR-95 |
| | | Biochemical Oxygen Demand | < 1 | 1 | GroundH2O | mg/L | 30-MAR-95 | 31-MAR-95 |
| | | Boron | < 0.10 | 0.10 | GroundH2O | mg/L | 30-MAR-95 | 07-APR-95 |
| | | Cadmium | < 0.0002 | 0.0002 | GroundH2O | mg/L | 30-MAR-95 | 08-APR-95 |
| | | Calcium | 83.4 | 1.00 | GroundH2O | mg/L | 30-MAR-95 | 06-APR-95 |
| | | Chemical Oxygen Demand | 310 | 20 | GroundH2O | mg/L | 30-MAR-95 | 04-APR-95 |
| | | Chloride | 81 | 2 | GroundH2O | mg/L | 30-MAR-95 | 05-APR-95 |
| | | Chromium, Total | < 0.01 | 0.01 | GroundH2O | mg/L | 30-MAR-95 | 06-APR-95 |
| | | Cobalt | < 0.01 | 0.01 | GroundH2O | mg/L | 30-MAR-95 | 11-APR-95 |
| | | Copper | < 0.01 | 0.01 | GroundH2O | mg/L | 30-MAR-95 | 06-APR-95 |
| | | Cyanide, Total | < 0.005 | 0.005 | GroundH2O | mg/L | 30-MAR-95 | 07-APR-95 |
| | | Fluoride | 0.48 | 0.10 | GroundH2O | mg/L | 30-MAR-95 | 10-APR-95 |
| | | Iron | < 0.02 | 0.02 | GroundH2O | mg/L | 30-MAR-95 | 06-APR-95 |
| | | Lead | < 0.0015 | 0.0015 | GroundH2O | mg/L | 30-MAR-95 | 12-APR-95 |
| | | Magnesium | 39.1 | 1.00 | GroundH2O | mg/L | 30-MAR-95 | 06-APR-95 |
| | | Manganese | 0.01 | 0.01 | GroundH2O | mg/L | 30-MAR-95 | 06-APR-95 |
| | | Mercury | < 0.0002 | 0.0002 | GroundH2O | mg/L | 30-MAR-95 | 07-APR-95 |
| | | Nickel | < 0.02 | 0.02 | GroundH2O | mg/L | 30-MAR-95 | 11-APR-95 |
| | | Nitrogen, Ammonia | 24.4 | 0.10 | GroundH2O | mg/L | 30-MAR-95 | 07-APR-95 |
| | | Nitrogen, Nitrate | 1.26 | 0.02 | GroundH2O | mg/L | 30-MAR-95 | 07-APR-95 |
| | | Potassium | 14.6 | 0.10 | GroundH2O | mg/L | 30-MAR-95 | 13-APR-95 |
| | | Selenium | < 0.002 | 0.002 | GroundH2O | mg/L | 30-MAR-95 | 12-APR-95 |
| | | Silver | < 0.01 | 0.01 | GroundH2O | mg/L | 30-MAR-95 | 17-APR-95 |
| | | Sodium | 37.8 | 2.00 | GroundH2O | mg/L | 30-MAR-95 | 06-APR-95 |
| | | Solids, Total Dissolved | 522 | 20 | GroundH2O | mg/L | 30-MAR-95 | 06-APR-95 |
| | | Sulfate | 21 | 10 | GroundH2O | mg/L | 30-MAR-95 | 05-APR-95 |
| | | Thallium | < 0.001 | 0.001 | GroundH2O | mg/L | 30-MAR-95 | 14-APR-95 |
| | | Tin | < 0.20 | 0.20 | GroundH2O | mg/L | 30-MAR-95 | 08-APR-95 |
| | | Vanadium | < 0.02 | 0.02 | GroundH2O | mg/L | 30-MAR-95 | 06-APR-95 |
| | | Zinc | < 0.01 | 0.01 | GroundH2O | mg/L | 30-MAR-95 | 06-APR-95 |
| | | pH | 7.15 | 0.01 | GroundH2O | S.U. | 30-MAR-95 | 31-MAR-95 |

Chk'd: App'd:
Date App'd: 4.20.95

WI Lab Certification ID#: 113138300

**MONTGOMERY WATSON**
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INORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Sample Date | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| L10456-005 | GWG34D | Alkalinity, Total | 305 | 10 | GroundH20 | mg/L | 30-MAR-95 | 04-APR-95 |
| | | Aluminum | < 0.05 | 0.05 | GroundH20 | mg/L | 30-MAR-95 | 06-APR-95 |
| | | Antimony | < 0.002 | 0.002 | GroundH20 | mg/L | 30-MAR-95 | 20-APR-95 |
| | | Arsenic | < 0.001 | 0.001 | GroundH20 | mg/L | 30-MAR-95 | 13-APR-95 |
| | | Barium | 0.05 | 0.01 | GroundH20 | mg/L | 30-MAR-95 | 11-APR-95 |
| | | Beryllium | < 0.0002 | 0.0002 | GroundH20 | mg/L | 30-MAR-95 | 17-APR-95 |
| | | Biochemical Oxygen Demand | < 1 | 1 | GroundH20 | mg/L | 30-MAR-95 | 31-MAR-95 |
| | | Boron | < 0.10 | 0.10 | GroundH20 | mg/L | 30-MAR-95 | 07-APR-95 |
| | | Cadmium | < 0.0002 | 0.0002 | GroundH20 | mg/L | 30-MAR-95 | 08-APR-95 |
| | | Calcium | 78.4 | 1.00 | GroundH20 | mg/L | 30-MAR-95 | 06-APR-95 |
| | | Chemical Oxygen Demand | 60 | 20 | GroundH20 | mg/L | 30-MAR-95 | 04-APR-95 |
| | | Chloride | 27 | 2 | GroundH20 | mg/L | 30-MAR-95 | 05-APR-95 |
| | | Chromium, Total | < 0.01 | 0.01 | GroundH20 | mg/L | 30-MAR-95 | 06-APR-95 |
| | | Cobalt | < 0.01 | 0.01 | GroundH20 | mg/L | 30-MAR-95 | 11-APR-95 |
| | | Copper | < 0.01 | 0.01 | GroundH20 | mg/L | 30-MAR-95 | 06-APR-95 |
| | | Cyanide, Total | < 0.005 | 0.005 | GroundH20 | mg/L | 30-MAR-95 | 07-APR-95 |
| | | Fluoride | 0.22 | 0.10 | GroundH20 | mg/L | 30-MAR-95 | 10-APR-95 |
| | | Iron | 0.03 | 0.02 | GroundH20 | mg/L | 30-MAR-95 | 06-APR-95 |
| | | Lead | < 0.0015 | 0.0015 | GroundH20 | mg/L | 30-MAR-95 | 12-APR-95 |
| | | Magnesium | 41.5 | 1.00 | GroundH20 | mg/L | 30-MAR-95 | 06-APR-95 |
| | | Manganese | 0.01 | 0.01 | GroundH20 | mg/L | 30-MAR-95 | 06-APR-95 |
| | | Mercury | < 0.0002 | 0.0002 | GroundH20 | mg/L | 30-MAR-95 | 07-APR-95 |
| | | Nickel | < 0.02 | 0.02 | GroundH20 | mg/L | 30-MAR-95 | 11-APR-95 |
| | | Nitrogen, Ammonia | 0.12 | 0.10 | GroundH20 | mg/L | 30-MAR-95 | 07-APR-95 |
| | | Nitrogen, Nitrate | 7.92 | 0.02 | GroundH20 | mg/L | 30-MAR-95 | 07-APR-95 |
| | | Potassium | 1.78 | 0.10 | GroundH20 | mg/L | 30-MAR-95 | 13-APR-95 |
| | | Selenium | < 0.002 | 0.002 | GroundH20 | mg/L | 30-MAR-95 | 12-APR-95 |
| | | Silver | < 0.01 | 0.01 | GroundH20 | mg/L | 30-MAR-95 | 17-APR-95 |
| | | Sodium | 7.05 | 2.00 | GroundH20 | mg/L | 30-MAR-95 | 06-APR-95 |
| | | Solids, Total Dissolved | 416 | 20 | GroundH20 | mg/L | 30-MAR-95 | 06-APR-95 |
| | | Sulfate | 23 | 10 | GroundH20 | mg/L | 30-MAR-95 | 05-APR-95 |
| | | Thallium | < 0.001 | 0.001 | GroundH20 | mg/L | 30-MAR-95 | 14-APR-95 |
| | | Tin | < 0.20 | 0.20 | GroundH20 | mg/L | 30-MAR-95 | 08-APR-95 |
| | | Vanadium | < 0.02 | 0.02 | GroundH20 | mg/L | 30-MAR-95 | 06-APR-95 |
| | | Zinc | < 0.01 | 0.01 | GroundH20 | mg/L | 30-MAR-95 | 06-APR-95 |
| | | pH | 7.41 | 0.01 | GroundH20 | S.U. | 30-MAR-95 | 31-MAR-95 |

Chk'd: Kate App'd: CAW
Date App'd: 4-10-95

WI Lab Certification ID#: 113138300

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INORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Sample Date | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| L10456-006 | WEST SUMP | Alkalinity, Total | 8180 | 10 | LEACHATE | mg/L | 30-MAR-95 | 04-APR-95 |
| | | Aluminum | 0.40 | 0.05 | LEACHATE | mg/L | 30-MAR-95 | 11-APR-95 |
| | | Antimony | < 0.020 | 0.002 | LEACHATE | mg/L | 30-MAR-95 | 20-APR-95 |
| | | Arsenic | 0.061 | 0.001 | LEACHATE | mg/L | 30-MAR-95 | 13-APR-95 |
| | | Barium | 0.60 | 0.01 | LEACHATE | mg/L | 30-MAR-95 | 11-APR-95 |
| | | Beryllium | < 0.0020 | 0.0002 | LEACHATE | mg/L | 30-MAR-95 | 20-APR-95 |
| | | Biochemical Oxygen Demand | 482 | 1 | LEACHATE | mg/L | 30-MAR-95 | 31-MAR-95 |
| | | Boron | 17.5 | 0.10 | LEACHATE | mg/L | 30-MAR-95 | 12-APR-95 |
| | | Cadmium | 0.0010 | 0.0002 | LEACHATE | mg/L | 30-MAR-95 | 08-APR- |
| | | Calcium | 47.6 | 1.00 | LEACHATE | mg/L | 30-MAR-95 | 12-APR-95 |
| | | Chemical Oxygen Demand | 4690 | 20 | LEACHATE | mg/L | 30-MAR-95 | 04-APR-95 |
| | | Chloride | 4370 | 2 | LEACHATE | mg/L | 30-MAR-95 | 05-APR-95 |
| | | Chromium, Total | 0.68 | 0.01 | LEACHATE | mg/L | 30-MAR-95 | 12-APR-95 |
| | | Cobalt | 0.08 | 0.01 | LEACHATE | mg/L | 30-MAR-95 | 11-APR-95 |
| | | Copper | 0.02 | 0.02 | LEACHATE | mg/L | 30-MAR-95 | 11-APR-95 |
| | | Cyanide, Total | 0.079 | 0.005 | LEACHATE | mg/L | 30-MAR-95 | 07-APR-95 |
| | | Fluoride | 0.27 | 0.10 | LEACHATE | mg/L | 30-MAR-95 | 10-APR-95 |
| | | Iron | 5.58 | 0.02 | LEACHATE | mg/L | 30-MAR-95 | 11-APR-95 |
| | | Lead | 0.0260 | 0.0015 | LEACHATE | mg/L | 30-MAR-95 | 19-APR-95 |
| | | Magnesium | 113 | 1.00 | LEACHATE | mg/L | 30-MAR-95 | 12-APR-95 |
| | | Manganese | 0.08 | 0.01 | LEACHATE | mg/L | 30-MAR-95 | 11-APR-95 |
| | | Mercury | < 0.0020 | 0.0002 | LEACHATE | mg/L | 30-MAR-95 | 07-APR-95 |
| | | Nickel | 0.55 | 0.02 | LEACHATE | mg/L | 30-MAR-95 | 11-APR-95 |
| | | Nitrogen, Ammonia | 1420 | 0.10 | LEACHATE | mg/L | 30-MAR-95 | 07-APR-95 |
| | | Nitrogen, Nitrate | < 0.02 | 0.02 | LEACHATE | mg/L | 30-MAR-95 | 07-APR-9 |
| | | Potassium | 790 | 0.10 | LEACHATE | mg/L | 30-MAR-95 | 13-APR-95 |
| | | Selenium | < 0.020 | 0.002 | LEACHATE | mg/L | 30-MAR-95 | 12-APR-95 |
| | | Silver | < 0.01 | 0.01 | LEACHATE | mg/L | 30-MAR-95 | 12-APR-95 |
| | | Sodium | 2000 | 2.00 | LEACHATE | mg/L | 30-MAR-95 | 12-APR-95 |
| | | Solids, Total Dissolved | 10000 | 20 | LEACHATE | mg/L | 30-MAR-95 | 06-APR-95 |
| | | Sulfate | < 50 | 10 | LEACHATE | mg/L | 30-MAR-95 | 05-APR-95 |
| | | Thallium | < 0.010 | 0.001 | LEACHATE | mg/L | 30-MAR-95 | 20-APR-95 |
| | | Tin | 0.21 | 0.20 | LEACHATE | mg/L | 30-MAR-95 | 08-APR-95 |
| | | Vanadium | 0.09 | 0.02 | LEACHATE | mg/L | 30-MAR-95 | 12-APR-95 |
| | | Zinc | 0.32 | 0.01 | LEACHATE | mg/L | 30-MAR-95 | 12-APR-95 |
| | | pH | 7.55 | 0.01 | LEACHATE | S.U. | 30-MAR-95 | 31-MAR-95 |

Chk'd: App'd: CAW
Date App'd: 4-26-95

WI Lab Certification ID#: 113138300

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INORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Sample Date | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| L10456-007 | LEACHATE E3 | Alkalinity, Total | 4860 | 10 | LEACHATE | mg/L | 30-MAR-95 | 04-APR-95 |
| | | Aluminum | 0.12 | 0.05 | LEACHATE | mg/L | 30-MAR-95 | 11-APR-95 |
| | | Antimony | < 0.020 | 0.002 | LEACHATE | mg/L | 30-MAR-95 | 20-APR-95 |
| | | Arsenic | < 0.010 | 0.001 | LEACHATE | mg/L | 30-MAR-95 | 13-APR-95 |
| | | Barium | 0.19 | 0.01 | LEACHATE | mg/L | 30-MAR-95 | 11-APR-95 |
| | | Beryllium | < 0.0020 | 0.0002 | LEACHATE | mg/L | 30-MAR-95 | 20-APR-95 |
| | | Biochemical Oxygen Demand | 86 | 1 | LEACHATE | mg/L | 30-MAR-95 | 31-MAR-95 |
| | | Boron | 4.64 | 0.10 | LEACHATE | mg/L | 30-MAR-95 | 12-APR-95 |
| | | Cadmium | < 0.0008 | 0.0002 | LEACHATE | mg/L | 30-MAR-95 | 17-APR-95 |
| | | Calcium | 82.1 | 1.00 | LEACHATE | mg/L | 30-MAR-95 | 12-APR-95 |
| | | Chemical Oxygen Demand | 4280 | 20 | LEACHATE | mg/L | 30-MAR-95 | 04-APR-95 |
| | | Chloride | 2870 | 2 | LEACHATE | mg/L | 30-MAR-95 | 05-APR-95 |
| | | Chromium, Total | 0.18 | 0.01 | LEACHATE | mg/L | 30-MAR-95 | 12-APR-95 |
| | | Cobalt | 0.05 | 0.01 | LEACHATE | mg/L | 30-MAR-95 | 11-APR-95 |
| | | Copper | < 0.02 | 0.02 | LEACHATE | mg/L | 30-MAR-95 | 11-APR-95 |
| | | Cyanide, Total | 0.029 | 0.005 | LEACHATE | mg/L | 30-MAR-95 | 07-APR-95 |
| | | Fluoride | 0.34 | 0.10 | LEACHATE | mg/L | 30-MAR-95 | 11-APR-95 |
| | | Iron | 2.75 | 0.02 | LEACHATE | mg/L | 30-MAR-95 | 11-APR-95 |
| | | Lead | < 0.0150 | 0.0015 | LEACHATE | mg/L | 30-MAR-95 | 19-APR-95 |
| | | Magnesium | 115 | 1.00 | LEACHATE | mg/L | 30-MAR-95 | 12-APR-95 |
| | | Manganese | 0.18 | 0.01 | LEACHATE | mg/L | 30-MAR-95 | 11-APR-95 |
| | | Mercury | < 0.0020 | 0.0002 | LEACHATE | mg/L | 30-MAR-95 | 07-APR-95 |
| | | Nickel | 0.46 | 0.02 | LEACHATE | mg/L | 30-MAR-95 | 11-APR-95 |
| | | Nitrogen, Ammonia | 1880 | 0.10 | LEACHATE | mg/L | 30-MAR-95 | 07-APR-95 |
| | | Nitrogen, Nitrate | 0.21 | 0.02 | LEACHATE | mg/L | 30-MAR-95 | 07-APR-95 |
| | | Potassium | 814 | 0.10 | LEACHATE | mg/L | 30-MAR-95 | 13-APR-95 |
| | | Selenium | < 0.020 | 0.002 | LEACHATE | mg/L | 30-MAR-95 | 12-APR-95 |
| | | Silver | < 0.01 | 0.01 | LEACHATE | mg/L | 30-MAR-95 | 12-APR-95 |
| | | Sodium | 1150 | 2.00 | LEACHATE | mg/L | 30-MAR-95 | 12-APR-95 |
| | | Solids, Total Dissolved | 5980 | 20 | LEACHATE | mg/L | 30-MAR-95 | 06-APR-95 |
| | | Sulfate | < 50 | 10 | LEACHATE | mg/L | 30-MAR-95 | 05-APR-95 |
| | | Thallium | < 0.010 | 0.001 | LEACHATE | mg/L | 30-MAR-95 | 20-APR-95 |
| | | Tin | < 0.20 | 0.20 | LEACHATE | mg/L | 30-MAR-95 | 08-APR-95 |
| | | Vanadium | 0.02 | 0.02 | LEACHATE | mg/L | 30-MAR-95 | 12-APR-95 |
| | | Zinc | 0.03 | 0.01 | LEACHATE | mg/L | 30-MAR-95 | 12-APR-95 |
| | | pH | 7.32 | 0.01 | LEACHATE | S.U. | 30-MAR-95 | 31-MAR-95 |

Chk'd: Kale App'd: CHW
Date App'd: 4.20.95

WI Lab Certification ID#: 113138300

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INORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Sample Date | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| L10456-008 | LEACHATE G7 | Alkalinity, Total | 5350 | 10 | LEACHATE | mg/L | 30-MAR-95 | 04-APR-95 |
| | | Aluminum | 0.09 | 0.05 | LEACHATE | mg/L | 30-MAR-95 | 11-APR-95 |
| | | Antimony | < 0.020 | 0.002 | LEACHATE | mg/L | 30-MAR-95 | 20-APR-95 |
| | | Arsenic | < 0.010 | 0.001 | LEACHATE | mg/L | 30-MAR-95 | 13-APR-95 |
| | | Barium | 0.17 | 0.01 | LEACHATE | mg/L | 30-MAR-95 | 11-APR-95 |
| | | Beryllium | < 0.0020 | 0.0002 | LEACHATE | mg/L | 30-MAR-95 | 20-APR-95 |
| | | Biochemical Oxygen Demand | 141 | 1 | LEACHATE | mg/L | 30-MAR-95 | 31-MAR-95 |
| | | Boron | 4.72 | 0.10 | LEACHATE | mg/L | 30-MAR-95 | 12-APR-95 |
| | | Cadmium | 0.0003 | 0.0002 | LEACHATE | mg/L | 30-MAR-95 | 08-APR-95 |
| | | Calcium | 31.4 | 1.00 | LEACHATE | mg/L | 30-MAR-95 | 12-APR-95 |
| | | Chemical Oxygen Demand | 1660 | 20 | LEACHATE | mg/L | 30-MAR-95 | 04-APR-95 |
| | | Chloride | 2110 | 2 | LEACHATE | mg/L | 30-MAR-95 | 05-APR-95 |
| | | Chromium, Total | 0.18 | 0.01 | LEACHATE | mg/L | 30-MAR-95 | 12-APR-95 |
| | | Cobalt | 0.03 | 0.01 | LEACHATE | mg/L | 30-MAR-95 | 11-APR-95 |
| | | Copper | < 0.02 | 0.02 | LEACHATE | mg/L | 30-MAR-95 | 11-APR-95 |
| | | Cyanide, Total | 0.013 | 0.005 | LEACHATE | mg/L | 30-MAR-95 | 07-APR-95 |
| | | Fluoride | 0.18 | 0.10 | LEACHATE | mg/L | 30-MAR-95 | 10-APR-95 |
| | | Iron | 5.32 | 0.02 | LEACHATE | mg/L | 30-MAR-95 | 11-APR-95 |
| | | Lead | < 0.0150 | 0.0015 | LEACHATE | mg/L | 30-MAR-95 | 19-APR-95 |
| | | Magnesium | 147 | 1.00 | LEACHATE | mg/L | 30-MAR-95 | 12-APR-95 |
| | | Manganese | 0.05 | 0.01 | LEACHATE | mg/L | 30-MAR-95 | 11-APR-95 |
| | | Mercury | < 0.0020 | 0.0002 | LEACHATE | mg/L | 30-MAR-95 | 07-APR-95 |
| | | Nickel | 0.34 | 0.02 | LEACHATE | mg/L | 30-MAR-95 | 11-APR-95 |
| | | Nitrogen, Ammonia | 1280 | 0.10 | LEACHATE | mg/L | 30-MAR-95 | 07-APR-95 |
| | | Nitrogen, Nitrate | < 0.02 | 0.02 | LEACHATE | mg/L | 30-MAR-95 | 07-APR-95 |
| | | Potassium | 827 | 0.10 | LEACHATE | mg/L | 30-MAR-95 | 13-APR-95 |
| | | Selenium | < 0.020 | 0.002 | LEACHATE | mg/L | 30-MAR-95 | 12-APR-95 |
| | | Silver | < 0.01 | 0.01 | LEACHATE | mg/L | 30-MAR-95 | 12-APR-95 |
| | | Sodium | 774 | 2.00 | LEACHATE | mg/L | 30-MAR-95 | 12-APR-95 |
| | | Solids, Total Dissolved | 5160 | 20 | LEACHATE | mg/L | 30-MAR-95 | 06-APR-95 |
| | | Sulfate | < 50 | 10 | LEACHATE | mg/L | 30-MAR-95 | 05-APR-95 |
| | | Thallium | < 0.010 | 0.001 | LEACHATE | mg/L | 30-MAR-95 | 20-APR-95 |
| | | Tin | 0.21 | 0.20 | LEACHATE | mg/L | 30-MAR-95 | 08-APR-95 |
| | | Vanadium | 0.02 | 0.02 | LEACHATE | mg/L | 30-MAR-95 | 12-APR-95 |
| | | Zinc | 0.03 | 0.01 | LEACHATE | mg/L | 30-MAR-95 | 12-APR-95 |
| | | pH | 7.40 | 0.01 | LEACHATE | S.U. | 30-MAR-95 | 31-MAR-95 |

Chk'd: [illegible] App'd: [illegible]
Date App'd: 4.20.95

WI Lab Certification ID#: 113138300

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INORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Sample Date | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| L10456-009 | LEACHATE N1 | Alkalinity, Total | 5650 | 10 | LEACHATE | mg/L | 30-MAR-95 | 04-APR-95 |
| | | Aluminum | 0.57 | 0.05 | LEACHATE | mg/L | 30-MAR-95 | 11-APR-95 |
| | | Antimony | < 0.020 | 0.002 | LEACHATE | mg/L | 30-MAR-95 | 20-APR-95 |
| | | Arsenic | < 0.010 | 0.001 | LEACHATE | mg/L | 30-MAR-95 | 13-APR-95 |
| | | Barium | 0.54 | 0.01 | LEACHATE | mg/L | 30-MAR-95 | 11-APR-95 |
| | | Beryllium | < 0.0020 | 0.0002 | LEACHATE | mg/L | 30-MAR-95 | 20-APR-95 |
| | | Biochemical Oxygen Demand | 105 | 1 | LEACHATE | mg/L | 30-MAR-95 | 31-MAR-95 |
| | | Boron | 4.67 | 0.10 | LEACHATE | mg/L | 30-MAR-95 | 12-APR-95 |
| | | Cadmium | 0.0007 | 0.0002 | LEACHATE | mg/L | 30-MAR-95 | 08-APR-95 |
| | | Calcium | 80.0 | 1.00 | LEACHATE | mg/L | 30-MAR-95 | 12-APR-95 |
| | | Chemical Oxygen Demand | 1990 | 20 | LEACHATE | mg/L | 30-MAR-95 | 04-APR-95 |
| | | Chloride | 2480 | 2 | LEACHATE | mg/L | 30-MAR-95 | 05-APR-95 |
| | | Chromium, Total | 0.14 | 0.01 | LEACHATE | mg/L | 30-MAR-95 | 12-APR-95 |
| | | Cobalt | 0.04 | 0.01 | LEACHATE | mg/L | 30-MAR-95 | 11-APR-95 |
| | | Copper | 0.04 | 0.02 | LEACHATE | mg/L | 30-MAR-95 | 11-APR-95 |
| | | Cyanide, Total | 0.039 | 0.005 | LEACHATE | mg/L | 30-MAR-95 | 07-APR-95 |
| | | Fluoride | 0.16 | 0.10 | LEACHATE | mg/L | 30-MAR-95 | 10-APR-95 |
| | | Iron | 16.5 | 0.02 | LEACHATE | mg/L | 30-MAR-95 | 11-APR-95 |
| | | Lead | 0.0220 | 0.0015 | LEACHATE | mg/L | 30-MAR-95 | 19-APR-95 |
| | | Magnesium | 135 | 1.00 | LEACHATE | mg/L | 30-MAR-95 | 12-APR-95 |
| | | Manganese | 0.12 | 0.01 | LEACHATE | mg/L | 30-MAR-95 | 11-APR-95 |
| | | Mercury | < 0.0020 | 0.0002 | LEACHATE | mg/L | 30-MAR-95 | 07-APR-95 |
| | | Nickel | 0.31 | 0.02 | LEACHATE | mg/L | 30-MAR-95 | 11-APR-95 |
| | | Nitrogen, Ammonia | 1380 | 0.10 | LEACHATE | mg/L | 30-MAR-95 | 07-APR-95 |
| | | Nitrogen, Nitrate | < 0.02 | 0.02 | LEACHATE | mg/L | 30-MAR-95 | 07-APR-95 |
| | | Potassium | 842 | 0.10 | LEACHATE | mg/L | 30-MAR-95 | 13-APR-95 |
| | | Selenium | < 0.020 | 0.002 | LEACHATE | mg/L | 30-MAR-95 | 12-APR-95 |
| | | Silver | < 0.01 | 0.01 | LEACHATE | mg/L | 30-MAR-95 | 12-APR-95 |
| | | Sodium | 856 | 2.00 | LEACHATE | mg/L | 30-MAR-95 | 12-APR-95 |
| | | Solids, Total Dissolved | 6020 | 20 | LEACHATE | mg/L | 30-MAR-95 | 06-APR-95 |
| | | Sulfate | < 100 | 10 | LEACHATE | mg/L | 30-MAR-95 | 05-APR-95 |
| | | Thallium | < 0.010 | 0.001 | LEACHATE | mg/L | 30-MAR-95 | 20-APR-95 |
| | | Tin | < 0.20 | 0.20 | LEACHATE | mg/L | 30-MAR-95 | 08-APR-95 |
| | | Vanadium | 0.03 | 0.02 | LEACHATE | mg/L | 30-MAR-95 | 12-APR-95 |
| | | Zinc | 0.12 | 0.01 | LEACHATE | mg/L | 30-MAR-95 | 12-APR-95 |
| | | pH | 7.17 | 0.01 | LEACHATE | S.U. | 30-MAR-95 | 31-MAR-95 |

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Date App'd: 4.20.95

WI Lab Certification ID#: 113138300

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INORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

Footnotes
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| Sample # | Test | Footnote |
|---|---|---|
| L10456-006 | Beryllium | A2 |
| L10456-006 | Cyanide, Total | A4 |
| L10456-006 | Mercury | A2 |
| L10456-006 | Antimony | A2 |
| L10456-006 | Selenium | A2 |
| L10456-006 | Sulfate | A2 |
| L10456-006 | Thallium | A2 |
| L10456-007 | Aluminum | A15 |
| L10456-007 | Arsenic | A2 |
| L10456-007 | Beryllium | A2 |
| L10456-007 | Cadmium | A2 |
| L10456-007 | Mercury | A2 |
| L10456-007 | Lead | A2 |
| L10456-007 | Antimony | A2 |
| L10456-007 | Selenium | A2 |
| L10456-007 | Sulfate | A2 |
| L10456-007 | Thallium | A2 |
| L10456-008 | Aluminum | A15 |
| L10456-008 | Arsenic | A2 |
| L10456-008 | Beryllium | A2 |
| L10456-008 | Mercury | A2 |
| L10456-008 | Lead | A2 |
| L10456-008 | Antimony | A2 |
| L10456-008 | Selenium | A2 |
| L10456-008 | Sulfate | A2 |
| L10456-008 | Thallium | A2 |
| L10456-009 | Arsenic | A2 |
| L10456-009 | Beryllium | A2 |
| L10456-009 | Mercury | A2 |
| L10456-009 | Antimony | A2 |
| L10456-009 | Selenium | A2 |
| L10456-009 | Sulfate | A2 |

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INORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

Footnotes
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| Sample # | Test | Footnote |
|---|---|---|
| L10456-009 | Thallium | A2 |

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Date App'd: 4.20.95

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INORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|---|
| L10456-001 | GWG116A | Carbon, Total Organic | | 1.1 | 0.25 | GroundH2O | mg/L | |
| | | Sample Date: | 30-MAR-95 | | | | | |
| | | Analysis Date: | 10-APR-95 | | | | | |
| L10456-002 | GWG116 | Carbon, Total Organic | | 1.8 | 0.25 | GroundH2O | mg/L | |
| | | Sample Date: | 30-MAR-95 | | | | | |
| | | Analysis Date: | 10-APR-95 | | | | | |
| L10456-003 | GWG116D | Carbon, Total Organic | | < 0.25 | 0.25 | GroundH2O | mg/L | |
| | | Sample Date: | 30-MAR-95 | | | | | |
| | | Analysis Date: | 10-APR-95 | | | | | |
| L10456-004 | GWG34S | Carbon, Total Organic | | 4.4 | 0.25 | GroundH2O | mg/L | |
| | | Sample Date: | 30-MAR-95 | | | | | |
| | | Analysis Date: | 10-APR-95 | | | | | |
| L10456-005 | GWG34D | Carbon, Total Organic | | 0.61 | 0.25 | GroundH2O | mg/L | |
| | | Sample Date: | 30-MAR-95 | | | | | |
| | | Analysis Date: | 10-APR-95 | | | | | |
| L10456-006 | WEST SUMP | Carbon, Total Organic | | 1,600 | 0.25 | LEACHATE | mg/L | |
| | | Sample Date: | 30-MAR-95 | | | | | |
| | | Analysis Date: | 10-APR-95 | | | | | |
| L10456-007 | LEACHATE E3 | Carbon, Total Organic | | 550 | 0.25 | LEACHATE | mg/L | |
| | | Sample Date: | 30-MAR-95 | | | | | |
| | | Analysis Date: | 10-APR-95 | | | | | |

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INORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10456-008 | LEACHATE G7 | Carbon, Total Organic | 530 | 0.25 | LEACHATE | mg/L | |
| | | Sample Date: 30-MAR-95 | | | | | |
| | | Analysis Date: 10-APR-95 | | | | | |
| L10456-009 | LEACHATE N1 | Carbon, Total Organic | 700 | 0.25 | LEACHATE | mg/L | |
| | | Sample Date: 30-MAR-95 | | | | | |
| | | Analysis Date: 10-APR-95 | | | | | |

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HERBICIDE REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10456-003 | GWG1160 | Alachlor | < 1 | 1 | GroundH2O | ug/L | |
| | | Atrazine | < 0.5 | 0.5 | GroundH2O | ug/L | |
| | | Parathion | < 0.5 | 0.5 | GroundH2O | ug/L | |
| | | Sample Date: 30-MAR-95 | | | | | |
| | | Extract Date: 05-APR-95 | | | | | |
| | | Analysis Date: 08-APR-95 | | | | | |
| L10456-006 | WEST SUMP | Alachlor | < 1 | 1 | LEACHATE | ug/L | |
| | | Atrazine | < 0.5 | 0.5 | LEACHATE | ug/L | |
| | | Parathion | < 0.5 | 0.5 | LEACHATE | ug/L | |
| | | Sample Date: 30-MAR-95 | | | | | |
| | | Extract Date: 05-APR-95 | | | | | |
| | | Analysis Date: 08-APR-95 | | | | | |
| L10456-007 | LEACHATE E3 | Alachlor | < 1 | 1 | LEACHATE | ug/L | |
| | | Atrazine | < 0.5 | 0.5 | LEACHATE | ug/L | |
| | | Parathion | < 0.5 | 0.5 | LEACHATE | ug/L | |
| | | Sample Date: 30-MAR-95 | | | | | |
| | | Extract Date: 05-APR-95 | | | | | |
| | | Analysis Date: 08-APR-95 | | | | | |
| L10456-008 | LEACHATE G7 | Alachlor | < 1 | 1 | LEACHATE | ug/L | |
| | | Atrazine | 95 | 0.5 | LEACHATE | ug/L | |
| | | Parathion | < 0.5 | 0.5 | LEACHATE | ug/L | |
| | | Sample Date: 30-MAR-95 | | | | | |
| | | Extract Date: 05-APR-95 | | | | | |
| | | Analysis Date: 08-APR-95 | | | | | |

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WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10456-009 | LEACHATE N1 | Alachlor | < 1 | 1 | LEACHATE | ug/L | |
| | | Atrazine | < 0.5 | 0.5 | LEACHATE | ug/L | |
| | | Parathion | < 0.5 | 0.5 | LEACHATE | ug/L | |

Sample Date: 30-MAR-95
Extract Date: 05-APR-95
Analysis Date: 08-APR-95

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WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Compound | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10456-003 | GWG116D | 2,4-D | < 0.50 | 0.50 | GroundH2O | ug/L | |
| | | 2,4,5-TP(silvex) | < 0.25 | 0.25 | GroundH2O | ug/L | |
| | | 2,4,5-T | < 0.25 | 0.25 | GroundH2O | ug/L | |
| | | Sample Date: 30-MAR-95 | | | | | |
| | | Extract Date: 03-APR-95 | | | | | |
| | | Analysis Date: 08-APR-95 | | | | | |
| L10456-006 | WEST SUMP | 2,4-D | < 5.0 | 0.50 | LEACHATE | ug/L | A2 |
| | | 2,4,5-TP(silvex) | < 2.5 | 0.25 | LEACHATE | ug/L | A2 |
| | | 2,4,5-T | < 2.5 | 0.25 | LEACHATE | ug/L | A2 |
| | | Sample Date: 30-MAR-95 | | | | | |
| | | Extract Date: 03-APR-95 | | | | | |
| | | Analysis Date: 08-APR-95 | | | | | |
| L10456-007 | LEACHATE E3 | 2,4-D | < 5.0 | 0.50 | LEACHATE | ug/L | A2 |
| | | 2,4,5-TP(silvex) | < 2.5 | 0.25 | LEACHATE | ug/L | A2 |
| | | 2,4,5-T | < 2.5 | 0.25 | LEACHATE | ug/L | A2 |
| | | Sample Date: 30-MAR-95 | | | | | |
| | | Extract Date: 03-APR-95 | | | | | |
| | | Analysis Date: 08-APR-95 | | | | | |
| L10456-008 | LEACHATE G7 | 2,4-D | < 5.0 | 0.50 | LEACHATE | ug/L | A2 |
| | | 2,4,5-TP(silvex) | < 2.5 | 0.25 | LEACHATE | ug/L | A2 |
| | | 2,4,5-T | < 2.5 | 0.25 | LEACHATE | ug/L | A2 |
| | | Sample Date: 30-MAR-95 | | | | | |
| | | Extract Date: 03-APR-95 | | | | | |
| | | Analysis Date: 08-APR-95 | | | | | |
| L10456-009 | LEACHATE N1 | 2,4-D | < 5.0 | 0.50 | LEACHATE | ug/L | A2 |
| | | 2,4,5-TP(silvex) | < 2.5 | 0.25 | LEACHATE | ug/L | A2 |
| | | 2,4,5-T | < 2.5 | 0.25 | LEACHATE | ug/L | A2 |
| | | Sample Date: 30-MAR-95 | | | | | |
| | | Extract Date: 03-APR-95 | | | | | |
| | | Analysis Date: 08-APR-95 | | | | | |

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Date App'd: 4-20-95

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HERBICIDE REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|---|
| L10456-003 | GWG1160 | Aldicarb | | < 1 | 1 | GroundH2O | ug/L | |
| | | Sample Date: | 30-MAR-95 | | | | | |
| | | Extract Date: | 03-APR-95 | | | | | |
| | | Analysis Date: | 14-APR-95 | | | | | |
| L10456-006 | WEST SUMP | Aldicarb | | < 2 | 2 | LEACHATE | ug/L | |
| | | Sample Date: | 30-MAR-95 | | | | | |
| | | Extract Date: | 03-APR-95 | | | | | |
| | | Analysis Date: | 14-APR-95 | | | | | |
| L10456-007 | LEACHATE E3 | Aldicarb | | < 1 | 1 | LEACHATE | ug/L | |
| | | Sample Date: | 30-MAR-95 | | | | | |
| | | Extract Date: | 03-APR-95 | | | | | |
| | | Analysis Date: | 14-APR-95 | | | | | |
| L10456-008 | LEACHATE G7 | Aldicarb | | < 1 | 1 | LEACHATE | ug/L | |
| | | Sample Date: | 30-MAR-95 | | | | | |
| | | Extract Date: | 03-APR-95 | | | | | |
| | | Analysis Date: | 14-APR-95 | | | | | |
| L10456-009 | LEACHATE N1 | Aldicarb | | < 1 | 1 | LEACHATE | ug/L | |
| | | Sample Date: | 30-MAR-95 | | | | | |
| | | Extract Date: | 03-APR-95 | | | | | |
| | | Analysis Date: | 14-APR-95 | | | | | |

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10456-001 | GWG116A | Acetone | < 10 | 10 | GroundH2O | ug/L | |
| | | Benzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromochloromethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromodichloromethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromoform | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromomethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Butanone | < 5 | 5 | GroundH2O | ug/L | |
| | | Carbon Disulfide | < 5 | 5 | GroundH2O | ug/L | |
| | | Carbon tetrachloride | < 5 | 5 | GroundH2O | ug/L | |
| | | Chlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Chlorodibromomethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Chloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloroform | < 5 | 5 | GroundH2O | ug/L | |
| | | Chloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dibromo-3-chloropropane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dichlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,3-Dichlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,4-Dichlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1-Dichloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dichloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1-Dichloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | total-1,2-Dichloroethene | 8 | 5 | GroundH2O | ug/L | |
| | | cis-1,2-Dichloroethene | 8 | 5 | GroundH2O | ug/L | |
| | | trans-1,2-Dichloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dichloropropane | < 5 | 5 | GroundH2O | ug/L | |
| | | cis-1,3-Dichloropropene | < 5 | 5 | GroundH2O | ug/L | |
| | | trans-1,3-Dichloropropene | < 5 | 5 | GroundH2O | ug/L | |
| | | Ethylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dibromoethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 2-Hexanone | < 10 | 10 | GroundH2O | ug/L | |
| | | 4-Methyl-2-Pentanone (MIBK) | < 10 | 10 | GroundH2O | ug/L | |
| | | Methylene chloride | < 5 | 5 | GroundH2O | ug/L | |
| | | Styrene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,2,2-Tetrachloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Tetrachloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | Toluene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1,1-Trichloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1,2-Trichloroethane | < 5 | 5 | GroundH2O | ug/L | |

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Date App'd: 4.21.95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10456-001 | GWG116A | Trichloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | Vinyl chloride | < 2 | 2 | GroundH2O | ug/L | |
| | | Xylenes, Total | < 5 | 5 | GroundH2O | ug/L | |

Sample Date: 30-MAR-95
Analysis Date: 11-APR-95

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Date App'd: 4-21-95

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ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10456-002 | GWG116 | Acetone | < 10 | 10 | GroundH2O | ug/L | |
| | | Benzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromochloromethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromodichloromethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromoform | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromomethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Butanone | < 5 | 5 | GroundH2O | ug/L | |
| | | Carbon Disulfide | < 5 | 5 | GroundH2O | ug/L | |
| | | Carbon tetrachloride | < 5 | 5 | GroundH2O | ug/L | |
| | | Chlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Chlorodibromomethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Chloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloroform | < 5 | 5 | GroundH2O | ug/L | |
| | | Chloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dibromo-3-chloropropane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dichlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,3-Dichlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,4-Dichlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1-Dichloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dichloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1-Dichloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | total-1,2-Dichloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | cis-1,2-Dichloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | trans-1,2-Dichloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dichloropropane | < 5 | 5 | GroundH2O | ug/L | |
| | | cis-1,3-Dichloropropene | < 5 | 5 | GroundH2O | ug/L | |
| | | trans-1,3-Dichloropropene | < 5 | 5 | GroundH2O | ug/L | |
| | | Ethylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dibromoethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 2-Hexanone | < 10 | 10 | GroundH2O | ug/L | |
| | | 4-Methyl-2-Pentanone (MIBK) | < 10 | 10 | GroundH2O | ug/L | |
| | | Methylene chloride | < 5 | 5 | GroundH2O | ug/L | |
| | | Styrene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,2,2-Tetrachloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Tetrachloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | Toluene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1,1-Trichloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1,2-Trichloroethane | < 5 | 5 | GroundH2O | ug/L | |

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Date App'd: 11.21.95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10456-002 | GWG116 | Trichloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | Vinyl chloride | < 2 | 2 | GroundH2O | ug/L | |
| | | Xylenes, Total | < 5 | 5 | GroundH2O | ug/L | |

Sample Date: 30-MAR-95
Analysis Date: 11-APR-95

Chk'd: App'd:
Date App'd: 4-21-95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10456-004 | GWG34S | Acetone | 11 | 10 | GroundH2O | ug/L | |
| | | Benzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromochloromethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromodichloromethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromoform | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromomethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Butanone | < 5 | 5 | GroundH2O | ug/L | |
| | | Carbon Disulfide | < 5 | 5 | GroundH2O | ug/L | |
| | | Carbon tetrachloride | < 5 | 5 | GroundH2O | ug/L | |
| | | Chlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Chlorodibromomethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Chloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloroform | < 5 | 5 | GroundH2O | ug/L | |
| | | Chloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dibromo-3-chloropropane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dichlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,3-Dichlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,4-Dichlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1-Dichloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dichloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1-Dichloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | total-1,2-Dichloroethene | 7 | 5 | GroundH2O | ug/L | |
| | | cis-1,2-Dichloroethene | 7 | 5 | GroundH2O | ug/L | |
| | | trans-1,2-Dichloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dichloropropane | < 5 | 5 | GroundH2O | ug/L | |
| | | cis-1,3-Dichloropropene | < 5 | 5 | GroundH2O | ug/L | |
| | | trans-1,3-Dichloropropene | < 5 | 5 | GroundH2O | ug/L | |
| | | Ethylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dibromoethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 2-Hexanone | < 10 | 10 | GroundH2O | ug/L | |
| | | 4-Methyl-2-Pentanone (MIBK) | < 10 | 10 | GroundH2O | ug/L | |
| | | Methylene chloride | < 5 | 5 | GroundH2O | ug/L | |
| | | Styrene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,2,2-Tetrachloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Tetrachloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | Toluene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1,1-Trichloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1,2-Trichloroethane | < 5 | 5 | GroundH2O | ug/L | |

Chk'd: [illegible] App'd: [illegible]
Date App'd: 4-21-95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10456-004 | GWG34S | Trichloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | Vinyl chloride | < 2 | 2 | GroundH2O | ug/L | |
| | | Xylenes, Total | < 5 | 5 | GroundH2O | ug/L | |

Sample Date: 30-MAR-95
Analysis Date: 11-APR-95

Chk'd: App'd:
Date App'd: 4-21-95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10456-005 | GWG34D | Acetone | < 10 | 10 | GroundH2O | ug/L | |
| | | Benzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromochloromethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromodichloromethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromoform | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromomethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Butanone | < 5 | 5 | GroundH2O | ug/L | |
| | | Carbon Disulfide | < 5 | 5 | GroundH2O | ug/L | |
| | | Carbon tetrachloride | < 5 | 5 | GroundH2O | ug/L | |
| | | Chlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Chlorodibromomethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Chloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloroform | < 5 | 5 | GroundH2O | ug/L | |
| | | Chloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dibromo-3-chloropropane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dichlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,3-Dichlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,4-Dichlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1-Dichloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dichloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1-Dichloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | total-1,2-Dichloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | cis-1,2-Dichloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | trans-1,2-Dichloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dichloropropane | < 5 | 5 | GroundH2O | ug/L | |
| | | cis-1,3-Dichloropropene | < 5 | 5 | GroundH2O | ug/L | |
| | | trans-1,3-Dichloropropene | < 5 | 5 | GroundH2O | ug/L | |
| | | Ethylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dibromoethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 2-Hexanone | < 10 | 10 | GroundH2O | ug/L | |
| | | 4-Methyl-2-Pentanone (MIBK) | < 10 | 10 | GroundH2O | ug/L | |
| | | Methylene chloride | < 5 | 5 | GroundH2O | ug/L | |
| | | Styrene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,2,2-Tetrachloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Tetrachloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | Toluene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1,1-Trichloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1,2-Trichloroethane | < 5 | 5 | GroundH2O | ug/L | |

Chk'd: App'd:
Date App'd: 4-21-95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10456-005 | GWG34D | Trichloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | Vinyl chloride | < 2 | 2 | GroundH2O | ug/L | |
| | | Xylenes, Total | < 5 | 5 | GroundH2O | ug/L | |

Sample Date: 30-MAR-95
Analysis Date: 11-APR-95

Chk'd: Kab App'd: CAW
Date App'd: 4.21.95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10456-010 | TB2 | Acetone | < 10 | 10 | GroundH2O | ug/L | |
| | | Benzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromochloromethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromodichloromethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromoform | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromomethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Butanone | < 5 | 5 | GroundH2O | ug/L | |
| | | Carbon Disulfide | < 5 | 5 | GroundH2O | ug/L | |
| | | Carbon tetrachloride | < 5 | 5 | GroundH2O | ug/L | |
| | | Chlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Chlorodibromomethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Chloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloroform | < 5 | 5 | GroundH2O | ug/L | |
| | | Chloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dibromo-3-chloropropane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dichlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,3-Dichlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,4-Dichlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1-Dichloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dichloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1-Dichloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | total-1,2-Dichloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | cis-1,2-Dichloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | trans-1,2-Dichloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dichloropropane | < 5 | 5 | GroundH2O | ug/L | |
| | | cis-1,3-Dichloropropene | < 5 | 5 | GroundH2O | ug/L | |
| | | trans-1,3-Dichloropropene | < 5 | 5 | GroundH2O | ug/L | |
| | | Ethylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dibromoethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 2-Hexanone | < 10 | 10 | GroundH2O | ug/L | |
| | | 4-Methyl-2-Pentanone (MIBK) | < 10 | 10 | GroundH2O | ug/L | |
| | | Methylene chloride | < 5 | 5 | GroundH2O | ug/L | |
| | | Styrene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,2,2-Tetrachloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Tetrachloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | Toluene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1,1-Trichloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1,2-Trichloroethane | < 5 | 5 | GroundH2O | ug/L | |

Chk'd: [illegible] App'd: [illegible]
Date App'd: 4-21-95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10456-010 | TB2 | Trichloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | Vinyl chloride | < 2 | 2 | GroundH2O | ug/L | |
| | | Xylenes, Total | < 5 | 5 | GroundH2O | ug/L | |

Sample Date: 30-MAR-95
Analysis Date: 12-APR-95

Chk'd: App'd:
Date App'd: 4-21-95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10456-003 | GWG116D | Acetone | < 10 | 10 | GroundH2O | ug/L | |
| | | Acrolein | < 25 | 25 | GroundH2O | ug/L | |
| | | Acrylonitrile | < 10 | 10 | GroundH2O | ug/L | |
| | | Benzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromochloromethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromodichloromethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromoform | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromomethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Butanone | < 5 | 5 | GroundH2O | ug/L | |
| | | 1-Butanol | < 100 | 100 | GroundH2O | ug/L | |
| | | 2-Butanol | < 100 | 100 | GroundH2O | ug/L | |
| | | n-Butylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | sec-Butylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | tert-Butylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Carbon Disulfide | < 5 | 5 | GroundH2O | ug/L | |
| | | Carbon tetrachloride | < 5 | 5 | GroundH2O | ug/L | |
| | | Chlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Chlorodibromomethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Chloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Chloroethyl vinyl ether | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloroform | < 5 | 5 | GroundH2O | ug/L | |
| | | Chloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Chlorotoluene | < 5 | 5 | GroundH2O | ug/L | |
| | | 4-Chlorotoluene | < 5 | 5 | GroundH2O | ug/L | |
| | | cumene (isopropyl benzene) | < 5 | 5 | GroundH2O | ug/L | |
| | | cymene (p-isopropyl toluene) | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dibromo-3-chloropropane | < 5 | 5 | GroundH2O | ug/L | |
| | | trans-1,4-dichloro-2-butene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dichlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,3-Dichlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,4-Dichlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Dichlorodifluoromethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1-Dichloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dichloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1-Dichloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | total-1,2-Dichloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | cis-1,2-Dichloroethene | < 5 | 5 | GroundH2O | ug/L | |

Chk'd: Kate App'd: CAW
Date App'd: 4.21.95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10456-003 | GWG116D | trans-1,2-Dichloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dichloropropane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,3-Dichloropropane | < 5 | 5 | GroundH2O | ug/L | |
| | | 2,2-Dichloropropane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1-Dichloropropene | < 5 | 5 | GroundH2O | ug/L | |
| | | total-1,3-dichloropropene | < 5 | 5 | GroundH2O | ug/L | |
| | | cis-1,3-Dichloropropene | < 5 | 5 | GroundH2O | ug/L | |
| | | trans-1,3-Dichloropropene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,4-Difluorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Ethyl Acetate | < 5 | 5 | GroundH2O | ug/L | |
| | | Ethanol | < 100 | 100 | GroundH2O | ug/L | |
| | | Ethyl methacrylate | < 5 | 5 | GroundH2O | ug/L | |
| | | Ethylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dibromoethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 2-Hexanone | < 10 | 10 | GroundH2O | ug/L | |
| | | Iodomethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 4-Methyl-2-Pentanone (MIBK) | < 10 | 10 | GroundH2O | ug/L | |
| | | Methylene bromide | < 5 | 5 | GroundH2O | ug/L | |
| | | Methylene chloride | < 5 | 5 | GroundH2O | ug/L | |
| | | 1-Propanol | < 100 | 100 | GroundH2O | ug/L | |
| | | 2-Propanol | < 100 | 100 | GroundH2O | ug/L | |
| | | n-Propylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Styrene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,1,2-Tetrachloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1,2,2-Tetrachloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Tetrachloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | Tetrahydrofuran | < 5 | 5 | GroundH2O | ug/L | |
| | | Toluene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2,3-Trichlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2,4-Trichlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1,1-Trichloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1,2-Trichloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Trichloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | Trichlorofluoromethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2,3-Trichloropropane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2,4-Trimethylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,3,5-Trimethylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Vinyl Acetate | < 10 | 10 | GroundH2O | ug/L | |

Chk'd: Kok App'd: GPW
Date App'd: 4-21-95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10456-003 | GWG116D | Vinyl chloride | < 2 | 2 | GroundH2O | ug/L | |
| | | meta-Xylene | < 5 | 5 | GroundH2O | ug/L | |
| | | o-Xylene | < 5 | 5 | GroundH2O | ug/L | |
| | | para-Xylene | < 5 | 5 | GroundH2O | ug/L | |
| | | Xylenes, Total | < 5 | 5 | GroundH2O | ug/L | |
| | | bis(Chloromethyl)ether | < | | GroundH2O | ug/L | (a) |

Sample Date: 30-MAR-95
Analysis Date: 11-APR-95

(a) Investigations have revealed that when this compound is in water, it decomposes to hydrochloric acid and formaldehyde. Therefore, no PQL has been established by Method 8260.

Chk'd: Kek App'd: CAW
Date App'd: 4-21-95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10456-006 | WEST SUMP | Acetone | 84 | 10 | LEACHATE | ug/L | |
| | | Acrolein | < 25 | 25 | LEACHATE | ug/L | |
| | | Acrylonitrile | < 10 | 10 | LEACHATE | ug/L | |
| | | Benzene | < 5 | 5 | LEACHATE | ug/L | |
| | | Bromobenzene | < 5 | 5 | LEACHATE | ug/L | |
| | | Bromochloromethane | < 5 | 5 | LEACHATE | ug/L | |
| | | Bromodichloromethane | < 5 | 5 | LEACHATE | ug/L | |
| | | Bromoform | < 5 | 5 | LEACHATE | ug/L | |
| | | Bromomethane | < 10 | 10 | LEACHATE | ug/L | |
| | | 2-Butanone | < 5 | 5 | LEACHATE | ug/L | |
| | | 1-Butanol | < 100 | 100 | LEACHATE | ug/L | |
| | | 2-Butanol | < 100 | 100 | LEACHATE | ug/L | |
| | | n-Butylbenzene | < 5 | 5 | LEACHATE | ug/L | |
| | | sec-Butylbenzene | < 5 | 5 | LEACHATE | ug/L | |
| | | tert-Butylbenzene | < 5 | 5 | LEACHATE | ug/L | |
| | | Carbon Disulfide | < 5 | 5 | LEACHATE | ug/L | |
| | | Carbon tetrachloride | < 5 | 5 | LEACHATE | ug/L | |
| | | Chlorobenzene | < 5 | 5 | LEACHATE | ug/L | |
| | | Chlorodibromomethane | < 5 | 5 | LEACHATE | ug/L | |
| | | Chloroethane | < 10 | 10 | LEACHATE | ug/L | |
| | | 2-Chloroethyl vinyl ether | < 10 | 10 | LEACHATE | ug/L | |
| | | Chloroform | < 5 | 5 | LEACHATE | ug/L | |
| | | Chloromethane | < 10 | 10 | LEACHATE | ug/L | |
| | | 2-Chlorotoluene | < 5 | 5 | LEACHATE | ug/L | |
| | | 4-Chlorotoluene | < 5 | 5 | LEACHATE | ug/L | |
| | | cumene (isopropyl benzene) | < 5 | 5 | LEACHATE | ug/L | |
| | | cymene (p-isopropyl toluene) | 28 | 5 | LEACHATE | ug/L | |
| | | 1,2-Dibromo-3-chloropropane | < 5 | 5 | LEACHATE | ug/L | |
| | | trans-1,4-dichloro-2-butene | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,2-Dichlorobenzene | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,3-Dichlorobenzene | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,4-Dichlorobenzene | 24 | 5 | LEACHATE | ug/L | |
| | | Dichlorodifluoromethane | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,1-Dichloroethane | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,2-Dichloroethane | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,1-Dichloroethene | < 5 | 5 | LEACHATE | ug/L | |
| | | total-1,2-Dichloroethene | < 5 | 5 | LEACHATE | ug/L | |
| | | cis-1,2-Dichloroethene | < 5 | 5 | LEACHATE | ug/L | |

Chk'd: App'd:
Date App'd: 4-21-95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10456-006 | WEST SUMP | trans-1,2-Dichloroethene | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,2-Dichloropropane | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,3-Dichloropropane | < 5 | 5 | LEACHATE | ug/L | |
| | | 2,2-Dichloropropane | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,1-Dichloropropene | < 5 | 5 | LEACHATE | ug/L | |
| | | total-1,3-dichloropropene | < 5 | 5 | LEACHATE | ug/L | |
| | | cis-1,3-Dichloropropene | < 5 | 5 | LEACHATE | ug/L | |
| | | trans-1,3-Dichloropropene | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,4-Difluorobenzene | < 5 | 5 | LEACHATE | ug/L | |
| | | Ethyl Acetate | < 5 | 5 | LEACHATE | ug/L | |
| | | Ethanol | < 100 | 100 | LEACHATE | ug/L | |
| | | Ethyl methacrylate | < 5 | 5 | LEACHATE | ug/L | |
| | | Ethylbenzene | 42 | 5 | LEACHATE | ug/L | |
| | | 1,2-Dibromoethane | < 5 | 5 | LEACHATE | ug/L | |
| | | 2-Hexanone | < 10 | 10 | LEACHATE | ug/L | |
| | | Iodomethane | < 5 | 5 | LEACHATE | ug/L | |
| | | 4-Methyl-2-Pentanone (MIBK) | 19 | 10 | LEACHATE | ug/L | |
| | | Methylene bromide | < 5 | 5 | LEACHATE | ug/L | |
| | | Methylene chloride | < 5 | 5 | LEACHATE | ug/L | |
| | | 1-Propanol | < 100 | 100 | LEACHATE | ug/L | |
| | | 2-Propanol | < 100 | 100 | LEACHATE | ug/L | |
| | | n-Propylbenzene | 5 | 5 | LEACHATE | ug/L | |
| | | Styrene | < 10 | 10 | LEACHATE | ug/L | |
| | | 1,1,1,2-Tetrachloroethane | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,1,2,2-Tetrachloroethane | < 5 | 5 | LEACHATE | ug/L | |
| | | Tetrachloroethene | < 5 | 5 | LEACHATE | ug/L | |
| | | Tetrahydrofuran | 1,000 | 5 | LEACHATE | ug/L | |
| | | Toluene | 99 | 5 | LEACHATE | ug/L | |
| | | 1,2,3-Trichlorobenzene | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,2,4-Trichlorobenzene | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,1,1-Trichloroethane | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,1,2-Trichloroethane | < 5 | 5 | LEACHATE | ug/L | |
| | | Trichloroethene | < 5 | 5 | LEACHATE | ug/L | |
| | | Trichlorofluoromethane | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,2,3-Trichloropropane | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,2,4-Trimethylbenzene | 41 | 5 | LEACHATE | ug/L | |
| | | 1,3,5-Trimethylbenzene | 16 | 5 | LEACHATE | ug/L | |
| | | Vinyl Acetate | < 10 | 10 | LEACHATE | ug/L | |

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Date App'd: 4-21-95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10456-006 | WEST SUMP | Vinyl chloride | < 2 | 2 | LEACHATE | ug/L | |
| | | meta-Xylene | 83 | 5 | LEACHATE | ug/L | |
| | | o-Xylene | 49 | 5 | LEACHATE | ug/L | |
| | | para-Xylene | 83 | 5 | LEACHATE | ug/L | |
| | | Xylenes, Total | 130 | 5 | LEACHATE | ug/L | |
| | | bis(Chloromethyl)ether | < | | LEACHATE | ug/L | (a) |

Sample Date: 30-MAR-95
Analysis Date: 12, 13-APR-95

(a) Investigations have revealed that when this compound is in water, it decomposes to hydrochloric acid and formaldehyde. Therefore, no PQL has been established by Method 8260.

Chk'd: App'd:
Date App'd: 4.21.95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10456-007 | LEACHATE E3 | Acetone | 22 | 10 | LEACHATE | ug/L | |
| | | Acrolein | < 25 | 25 | LEACHATE | ug/L | |
| | | Acrylonitrile | < 10 | 10 | LEACHATE | ug/L | |
| | | Benzene | < 5 | 5 | LEACHATE | ug/L | |
| | | Bromobenzene | < 5 | 5 | LEACHATE | ug/L | |
| | | Bromochloromethane | < 5 | 5 | LEACHATE | ug/L | |
| | | Bromodichloromethane | < 5 | 5 | LEACHATE | ug/L | |
| | | Bromoform | < 5 | 5 | LEACHATE | ug/L | |
| | | Bromomethane | < 10 | 10 | LEACHATE | ug/L | |
| | | 2-Butanone | < 5 | 5 | LEACHATE | ug/L | |
| | | 1-Butanol | < 100 | 100 | LEACHATE | ug/L | |
| | | 2-Butanol | < 100 | 100 | LEACHATE | ug/L | |
| | | n-Butylbenzene | < 5 | 5 | LEACHATE | ug/L | |
| | | sec-Butylbenzene | < 5 | 5 | LEACHATE | ug/L | |
| | | tert-Butylbenzene | < 5 | 5 | LEACHATE | ug/L | |
| | | Carbon Disulfide | < 5 | 5 | LEACHATE | ug/L | |
| | | Carbon tetrachloride | < 5 | 5 | LEACHATE | ug/L | |
| | | Chlorobenzene | < 5 | 5 | LEACHATE | ug/L | |
| | | Chlorodibromomethane | < 5 | 5 | LEACHATE | ug/L | |
| | | Chloroethane | < 10 | 10 | LEACHATE | ug/L | |
| | | 2-Chloroethyl vinyl ether | < 10 | 10 | LEACHATE | ug/L | |
| | | Chloroform | < 5 | 5 | LEACHATE | ug/L | |
| | | Chloromethane | < 10 | 10 | LEACHATE | ug/L | |
| | | 2-Chlorotoluene | < 5 | 5 | LEACHATE | ug/L | |
| | | 4-Chlorotoluene | < 5 | 5 | LEACHATE | ug/L | |
| | | cumene (isopropyl benzene) | < 5 | 5 | LEACHATE | ug/L | |
| | | cymene (p-isopropyl toluene) | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,2-Dibromo-3-chloropropane | < 5 | 5 | LEACHATE | ug/L | |
| | | trans-1,4-dichloro-2-butene | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,2-Dichlorobenzene | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,3-Dichlorobenzene | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,4-Dichlorobenzene | 9 | 5 | LEACHATE | ug/L | |
| | | Dichlorodifluoromethane | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,1-Dichloroethane | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,2-Dichloroethane | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,1-Dichloroethene | < 5 | 5 | LEACHATE | ug/L | |
| | | total-1,2-Dichloroethene | < 5 | 5 | LEACHATE | ug/L | |
| | | cis-1,2-Dichloroethene | < 5 | 5 | LEACHATE | ug/L | |

Chk'd: Kate App'd: CAW
Date App'd: 4-21-95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10456-007 | LEACHATE E3 | trans-1,2-Dichloroethene | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,2-Dichloropropane | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,3-Dichloropropane | < 5 | 5 | LEACHATE | ug/L | |
| | | 2,2-Dichloropropane | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,1-Dichloropropene | < 5 | 5 | LEACHATE | ug/L | |
| | | total-1,3-dichloropropene | < 5 | 5 | LEACHATE | ug/L | |
| | | cis-1,3-Dichloropropene | < 5 | 5 | LEACHATE | ug/L | |
| | | trans-1,3-Dichloropropene | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,4-Difluorobenzene | < 5 | 5 | LEACHATE | ug/L | |
| | | Ethyl Acetate | < 5 | 5 | LEACHATE | ug/L | |
| | | Ethanol | < 100 | 100 | LEACHATE | ug/L | |
| | | Ethyl methacrylate | < 5 | 5 | LEACHATE | ug/L | |
| | | Ethylbenzene | 23 | 5 | LEACHATE | ug/L | |
| | | 1,2-Dibromoethane | < 5 | 5 | LEACHATE | ug/L | |
| | | 2-Hexanone | < 10 | 10 | LEACHATE | ug/L | |
| | | Iodomethane | < 5 | 5 | LEACHATE | ug/L | |
| | | 4-Methyl-2-Pentanone (MIBK) | < 10 | 10 | LEACHATE | ug/L | |
| | | Methylene bromide | < 5 | 5 | LEACHATE | ug/L | |
| | | Methylene chloride | < 5 | 5 | LEACHATE | ug/L | |
| | | 1-Propanol | < 100 | 100 | LEACHATE | ug/L | |
| | | 2-Propanol | < 100 | 100 | LEACHATE | ug/L | |
| | | n-Propylbenzene | < 5 | 5 | LEACHATE | ug/L | |
| | | Styrene | < 10 | 10 | LEACHATE | ug/L | |
| | | 1,1,1,2-Tetrachloroethane | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,1,2,2-Tetrachloroethane | < 5 | 5 | LEACHATE | ug/L | |
| | | Tetrachloroethene | < 5 | 5 | LEACHATE | ug/L | |
| | | Tetrahydrofuran | 190 | 5 | LEACHATE | ug/L | |
| | | Toluene | 18 | 5 | LEACHATE | ug/L | |
| | | 1,2,3-Trichlorobenzene | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,2,4-Trichlorobenzene | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,1,1-Trichloroethane | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,1,2-Trichloroethane | < 5 | 5 | LEACHATE | ug/L | |
| | | Trichloroethene | < 5 | 5 | LEACHATE | ug/L | |
| | | Trichlorofluoromethane | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,2,3-Trichloropropane | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,2,4-Trimethylbenzene | 12 | 5 | LEACHATE | ug/L | |
| | | 1,3,5-Trimethylbenzene | 5 | 5 | LEACHATE | ug/L | |
| | | Vinyl Acetate | < 10 | 10 | LEACHATE | ug/L | |

Chk'd: Kak App'd: CPW
Date App'd: 4-21-95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD 1L
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10456-007 | LEACHATE E3 | Vinyl chloride | 22 | 2 | LEACHATE | ug/L | |
| | | meta-Xylene | 53 | 5 | LEACHATE | ug/L | |
| | | o-Xylene | 27 | 5 | LEACHATE | ug/L | |
| | | para-Xylene | 53 | 5 | LEACHATE | ug/L | |
| | | Xylenes, Total | 80 | 5 | LEACHATE | ug/L | |
| | | bis(Chloromethyl)ether | < | | LEACHATE | ug/L | (a) |

Sample Date: 30-MAR-95
Analysis Date: 13-APR-95

(a) Investigations have revealed that when this compound is in water, it decomposes to hydrochloric acid and formaldehyde. Therefore, no PQL has been established by Method 8260.

Chk'd: Kate App'd: WRW
Date App'd: 4.21.95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10456-008 | LEACHATE G7 | Acetone | 15 | 10 | LEACHATE | ug/L | |
| | | Acrolein | < 25 | 25 | LEACHATE | ug/L | |
| | | Acrylonitrile | < 10 | 10 | LEACHATE | ug/L | |
| | | Benzene | < 5 | 5 | LEACHATE | ug/L | |
| | | Bromobenzene | < 5 | 5 | LEACHATE | ug/L | |
| | | Bromochloromethane | < 5 | 5 | LEACHATE | ug/L | |
| | | Bromodichloromethane | < 5 | 5 | LEACHATE | ug/L | |
| | | Bromoform | < 5 | 5 | LEACHATE | ug/L | |
| | | Bromomethane | < 10 | 10 | LEACHATE | ug/L | |
| | | 2-Butanone | < 5 | 5 | LEACHATE | ug/L | |
| | | 1-Butanol | < 100 | 100 | LEACHATE | ug/L | |
| | | 2-Butanol | < 100 | 100 | LEACHATE | ug/L | |
| | | n-Butylbenzene | < 5 | 5 | LEACHATE | ug/L | |
| | | sec-Butylbenzene | < 5 | 5 | LEACHATE | ug/L | |
| | | tert-Butylbenzene | < 5 | 5 | LEACHATE | ug/L | |
| | | Carbon Disulfide | < 5 | 5 | LEACHATE | ug/L | |
| | | Carbon tetrachloride | < 5 | 5 | LEACHATE | ug/L | |
| | | Chlorobenzene | < 5 | 5 | LEACHATE | ug/L | |
| | | Chlorodibromomethane | < 5 | 5 | LEACHATE | ug/L | |
| | | Chloroethane | < 10 | 10 | LEACHATE | ug/L | |
| | | 2-Chloroethyl vinyl ether | < 10 | 10 | LEACHATE | ug/L | |
| | | Chloroform | < 5 | 5 | LEACHATE | ug/L | |
| | | Chloromethane | < 10 | 10 | LEACHATE | ug/L | |
| | | 2-Chlorotoluene | < 5 | 5 | LEACHATE | ug/L | |
| | | 4-Chlorotoluene | < 5 | 5 | LEACHATE | ug/L | |
| | | cumene (isopropyl benzene) | < 5 | 5 | LEACHATE | ug/L | |
| | | cymene (p-isopropyl toluene) | 16 | 5 | LEACHATE | ug/L | |
| | | 1,2-Dibromo-3-chloropropane | < 5 | 5 | LEACHATE | ug/L | |
| | | trans-1,4-dichloro-2-butene | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,2-Dichlorobenzene | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,3-Dichlorobenzene | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,4-Dichlorobenzene | 10 | 5 | LEACHATE | ug/L | |
| | | Dichlorodifluoromethane | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,1-Dichloroethane | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,2-Dichloroethane | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,1-Dichloroethene | < 5 | 5 | LEACHATE | ug/L | |
| | | total-1,2-Dichloroethene | < 5 | 5 | LEACHATE | ug/L | |
| | | cis-1,2-Dichloroethene | < 5 | 5 | LEACHATE | ug/L | |

Chk'd: [illegible] App'd: [illegible]
Date App'd: 4.21.95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10456-008 | LEACHATE G7 | trans-1,2-Dichloroethene | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,2-Dichloropropane | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,3-Dichloropropane | < 5 | 5 | LEACHATE | ug/L | |
| | | 2,2-Dichloropropane | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,1-Dichloropropene | < 5 | 5 | LEACHATE | ug/L | |
| | | total-1,3-dichloropropene | < 5 | 5 | LEACHATE | ug/L | |
| | | cis-1,3-Dichloropropene | < 5 | 5 | LEACHATE | ug/L | |
| | | trans-1,3-Dichloropropene | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,4-Difluorobenzene | < 5 | 5 | LEACHATE | ug/L | |
| | | Ethyl Acetate | < 5 | 5 | LEACHATE | ug/L | |
| | | Ethanol | < 100 | 100 | LEACHATE | ug/L | |
| | | Ethyl methacrylate | < 5 | 5 | LEACHATE | ug/L | |
| | | Ethylbenzene | 23 | 5 | LEACHATE | ug/L | |
| | | 1,2-Dibromoethane | < 5 | 5 | LEACHATE | ug/L | |
| | | 2-Hexanone | < 10 | 10 | LEACHATE | ug/L | |
| | | Iodomethane | < 5 | 5 | LEACHATE | ug/L | |
| | | 4-Methyl-2-Pentanone (MIBK) | < 10 | 10 | LEACHATE | ug/L | |
| | | Methylene bromide | < 5 | 5 | LEACHATE | ug/L | |
| | | Methylene chloride | < 5 | 5 | LEACHATE | ug/L | |
| | | 1-Propanol | < 100 | 100 | LEACHATE | ug/L | |
| | | 2-Propanol | < 100 | 100 | LEACHATE | ug/L | |
| | | n-Propylbenzene | < 5 | 5 | LEACHATE | ug/L | |
| | | Styrene | < 10 | 10 | LEACHATE | ug/L | |
| | | 1,1,1,2-Tetrachloroethane | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,1,2,2-Tetrachloroethane | < 5 | 5 | LEACHATE | ug/L | |
| | | Tetrachloroethene | < 5 | 5 | LEACHATE | ug/L | |
| | | Tetrahydrofuran | 740 | 5 | LEACHATE | ug/L | |
| | | Toluene | 16 | 5 | LEACHATE | ug/L | |
| | | 1,2,3-Trichlorobenzene | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,2,4-Trichlorobenzene | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,1,1-Trichloroethane | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,1,2-Trichloroethane | < 5 | 5 | LEACHATE | ug/L | |
| | | Trichloroethene | < 5 | 5 | LEACHATE | ug/L | |
| | | Trichlorofluoromethane | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,2,3-Trichloropropane | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,2,4-Trimethylbenzene | 15 | 5 | LEACHATE | ug/L | |
| | | 1,3,5-Trimethylbenzene | 6 | 5 | LEACHATE | ug/L | |
| | | Vinyl Acetate | < 10 | 10 | LEACHATE | ug/L | |

Chk'd: App'd: GAW
Date App'd: 4-21-95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10456-008 | LEACHATE G7 | vinyl chloride | 12 | 2 | LEACHATE | ug/L | |
| | | meta-Xylene | 48 | 5 | LEACHATE | ug/L | |
| | | o-Xylene | 28 | 5 | LEACHATE | ug/L | |
| | | para-Xylene | 48 | 5 | LEACHATE | ug/L | |
| | | Xylenes, Total | 76 | 5 | LEACHATE | ug/L | |
| | | bis(Chloromethyl)ether | < | | LEACHATE | ug/L | (a) |

Sample Date: 30-MAR-95
Analysis Date: 13-APR-95

(a) Investigations have revealed that when this compound is in water, it decomposes to hydrochloric acid and formaldehyde. Therefore, no PQL has been established by Method 8260.

Chk'd: [illegible] App'd: [illegible]
Date App'd: 4.21.95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10456-009 | LEACHATE N1 | Acetone | 45 | 10 | LEACHATE | ug/L | |
| | | Acrolein | < 25 | 25 | LEACHATE | ug/L | |
| | | Acrylonitrile | < 10 | 10 | LEACHATE | ug/L | |
| | | Benzene | < 5 | 5 | LEACHATE | ug/L | |
| | | Bromobenzene | < 5 | 5 | LEACHATE | ug/L | |
| | | Bromochloromethane | < 5 | 5 | LEACHATE | ug/L | |
| | | Bromodichloromethane | < 5 | 5 | LEACHATE | ug/L | |
| | | Bromoform | < 5 | 5 | LEACHATE | ug/L | |
| | | Bromomethane | < 10 | 10 | LEACHATE | ug/L | |
| | | 2-Butanone | < 5 | 5 | LEACHATE | ug/L | |
| | | 1-Butanol | < 100 | 100 | LEACHATE | ug/L | |
| | | 2-Butanol | < 100 | 100 | LEACHATE | ug/L | |
| | | n-Butylbenzene | < 5 | 5 | LEACHATE | ug/L | |
| | | sec-Butylbenzene | < 5 | 5 | LEACHATE | ug/L | |
| | | tert-Butylbenzene | < 5 | 5 | LEACHATE | ug/L | |
| | | Carbon Disulfide | < 5 | 5 | LEACHATE | ug/L | |
| | | Carbon tetrachloride | < 5 | 5 | LEACHATE | ug/L | |
| | | Chlorobenzene | < 5 | 5 | LEACHATE | ug/L | |
| | | Chlorodibromomethane | < 5 | 5 | LEACHATE | ug/L | |
| | | Chloroethane | < 10 | 10 | LEACHATE | ug/L | |
| | | 2-Chloroethyl vinyl ether | < 10 | 10 | LEACHATE | ug/L | |
| | | Chloroform | < 5 | 5 | LEACHATE | ug/L | |
| | | Chloromethane | < 10 | 10 | LEACHATE | ug/L | |
| | | 2-Chlorotoluene | < 5 | 5 | LEACHATE | ug/L | |
| | | 4-Chlorotoluene | < 5 | 5 | LEACHATE | ug/L | |
| | | cumene (isopropyl benzene) | < 5 | 5 | LEACHATE | ug/L | |
| | | cymene (p-isopropyl toluene) | 19 | 5 | LEACHATE | ug/L | |
| | | 1,2-Dibromo-3-chloropropane | < 5 | 5 | LEACHATE | ug/L | |
| | | trans-1,4-dichloro-2-butene | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,2-Dichlorobenzene | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,3-Dichlorobenzene | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,4-Dichlorobenzene | 6 | 5 | LEACHATE | ug/L | |
| | | Dichlorodifluoromethane | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,1-Dichloroethane | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,2-Dichloroethane | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,1-Dichloroethene | < 5 | 5 | LEACHATE | ug/L | |
| | | total-1,2-Dichloroethene | < 5 | 5 | LEACHATE | ug/L | |
| | | cis-1,2-Dichloroethene | < 5 | 5 | LEACHATE | ug/L | |

Chk'd: [illegible] App'd: [illegible]
Date App'd: 4.21.95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10456-009 | LEACHATE N1 | trans-1,2-Dichloroethene | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,2-Dichloropropane | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,3-Dichloropropane | < 5 | 5 | LEACHATE | ug/L | |
| | | 2,2-Dichloropropane | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,1-Dichloropropene | < 5 | 5 | LEACHATE | ug/L | |
| | | total-1,3-dichloropropene | < 5 | 5 | LEACHATE | ug/L | |
| | | cis-1,3-Dichloropropene | < 5 | 5 | LEACHATE | ug/L | |
| | | trans-1,3-Dichloropropene | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,4-Difluorobenzene | < 5 | 5 | LEACHATE | ug/L | |
| | | Ethyl Acetate | < 5 | 5 | LEACHATE | ug/L | |
| | | Ethanol | < 100 | 100 | LEACHATE | ug/L | |
| | | Ethyl methacrylate | < 5 | 5 | LEACHATE | ug/L | |
| | | Ethylbenzene | 34 | 5 | LEACHATE | ug/L | |
| | | 1,2-Dibromoethane | < 5 | 5 | LEACHATE | ug/L | |
| | | 2-Hexanone | < 10 | 10 | LEACHATE | ug/L | |
| | | Iodomethane | < 5 | 5 | LEACHATE | ug/L | |
| | | 4-Methyl-2-Pentanone (MIBK) | < 10 | 10 | LEACHATE | ug/L | |
| | | Methylene bromide | < 5 | 5 | LEACHATE | ug/L | |
| | | Methylene chloride | < 5 | 5 | LEACHATE | ug/L | |
| | | 1-Propanol | < 100 | 100 | LEACHATE | ug/L | |
| | | 2-Propanol | < 100 | 100 | LEACHATE | ug/L | |
| | | n-Propylbenzene | < 5 | 5 | LEACHATE | ug/L | |
| | | Styrene | < 10 | 10 | LEACHATE | ug/L | |
| | | 1,1,1,2-Tetrachloroethane | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,1,2,2-Tetrachloroethane | < 5 | 5 | LEACHATE | ug/L | |
| | | Tetrachloroethene | < 5 | 5 | LEACHATE | ug/L | |
| | | Tetrahydrofuran | 510 | 5 | LEACHATE | ug/L | |
| | | Toluene | 26 | 5 | LEACHATE | ug/L | |
| | | 1,2,3-Trichlorobenzene | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,2,4-Trichlorobenzene | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,1,1-Trichloroethane | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,1,2-Trichloroethane | < 5 | 5 | LEACHATE | ug/L | |
| | | Trichloroethene | < 5 | 5 | LEACHATE | ug/L | |
| | | Trichlorofluoromethane | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,2,3-Trichloropropane | < 5 | 5 | LEACHATE | ug/L | |
| | | 1,2,4-Trimethylbenzene | 14 | 5 | LEACHATE | ug/L | |
| | | 1,3,5-Trimethylbenzene | 5 | 5 | LEACHATE | ug/L | |
| | | Vinyl Acetate | < 10 | 10 | LEACHATE | ug/L | |

Chk'd: Kat App'd: [illegible]
Date App'd: 4.21.95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10456-009 | LEACHATE N1 | Vinyl chloride | < 2 | 2 | LEACHATE | ug/L | |
| | | meta-Xylene | 72 | 5 | LEACHATE | ug/L | |
| | | o-Xylene | 31 | 5 | LEACHATE | ug/L | |
| | | para-Xylene | 72 | 5 | LEACHATE | ug/L | |
| | | Xylenes, Total | 100 | 5 | LEACHATE | ug/L | |
| | | bis(Chloromethyl)ether | < | | LEACHATE | ug/L | (a) |

Sample Date: 30-MAR-95
Analysis Date: 12, 13-APR-95

(a) Investigations have revealed that when this compound is in water, it decomposes to hydrochloric acid and formaldehyde. Therefore, no PQL has been established by Method 8260.

Chk'd: Kate App'd: [illegible]
Date App'd: 4-21-95

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SEMIVOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Compound | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10456-001 | GWG116A | Phenol | < 10 | 10 | GroundH2O | ug/L | |
| | | 3&4-Methylphenol | < 10 | 10 | GroundH2O | ug/L | |
| | | Nitrobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | Isophorone | < 10 | 10 | GroundH2O | ug/L | |
| | | 2,4-Dimethylphenol | < 10 | 10 | GroundH2O | ug/L | |
| | | Bis(2-chloroethoxy)methane | < 10 | 10 | GroundH2O | ug/L | |
| | | Benzoic Acid | < 50 | 50 | GroundH2O | ug/L | |
| | | Naphthalene | < 10 | 10 | GroundH2O | ug/L | |
| | | Hexachlorobutadiene | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Chloronaphthalene | < 10 | 10 | GroundH2O | ug/L | |
| | | Dimethyl phthalate | < 10 | 10 | GroundH2O | ug/L | |
| | | 4-Nitrophenol | < 50 | 50 | GroundH2O | ug/L | |
| | | Diethyl phthalate | < 10 | 10 | GroundH2O | ug/L | |
| | | Carbofuran | < 10 | 10 | GroundH2O | ug/L | |
| | | Pentachlorophenol | < 50 | 50 | GroundH2O | ug/L | |
| | | Phenanthrene | < 10 | 10 | GroundH2O | ug/L | |
| | | Di-n-butylphthalate | < 10 | 10 | GroundH2O | ug/L | |
| | | Butylbenzylphthalate | < 10 | 10 | GroundH2O | ug/L | |
| | | Bis(2-ethylhexyl)phthalate | 5.0 | 4.0 | GroundH2O | ug/L | |

Sample Date: 30-MAR-95
Extract Date: 05-APR-95
Analysis Date: 08-APR-95

Chk'd: App'd: CAW
Date App'd: 4-20-95

WI Lab Certification ID#: 113138300

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SEMIVOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Compound | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10456-002 | GWG116 | Phenol | < 10 | 10 | GroundH2O | ug/L | |
| | | 3&4-Methylphenol | < 10 | 10 | GroundH2O | ug/L | |
| | | Nitrobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | Isophorone | < 10 | 10 | GroundH2O | ug/L | |
| | | 2,4-Dimethylphenol | < 10 | 10 | GroundH2O | ug/L | |
| | | Bis(2-chloroethoxy)methane | < 10 | 10 | GroundH2O | ug/L | |
| | | Benzoic Acid | < 50 | 50 | GroundH2O | ug/L | |
| | | Naphthalene | < 10 | 10 | GroundH2O | ug/L | |
| | | Hexachlorobutadiene | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Chloronaphthalene | < 10 | 10 | GroundH2O | ug/L | |
| | | Dimethyl phthalate | < 10 | 10 | GroundH2O | ug/L | |
| | | 4-Nitrophenol | < 50 | 50 | GroundH2O | ug/L | |
| | | Diethyl phthalate | < 10 | 10 | GroundH2O | ug/L | |
| | | Carbofuran | < 10 | 10 | GroundH2O | ug/L | |
| | | Pentachlorophenol | < 50 | 50 | GroundH2O | ug/L | |
| | | Phenanthrene | < 10 | 10 | GroundH2O | ug/L | |
| | | Di-n-butylphthalate | < 10 | 10 | GroundH2O | ug/L | |
| | | Butylbenzylphthalate | < 10 | 10 | GroundH2O | ug/L | |
| | | Bis(2-ethylhexyl)phthalate | < 4.0 | 4.0 | GroundH2O | ug/L | |

Sample Date: 30-MAR-95
Extract Date: 05-APR-95
Analysis Date: 09-APR-95

Chk'd: Kate App'd: CAW
Date App'd: 4.20.95

WI Lab Certification ID#: 113138300

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SEMIVOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Compound | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10456-003 | GWG1160 | Phenol | < 10 | 10 | GroundH2O | ug/L | |
| | | 3&4-Methylphenol | < 10 | 10 | GroundH2O | ug/L | |
| | | Nitrobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | Isophorone | < 10 | 10 | GroundH2O | ug/L | |
| | | 2,4-Dimethylphenol | < 10 | 10 | GroundH2O | ug/L | |
| | | Bis(2-chloroethoxy)methane | < 10 | 10 | GroundH2O | ug/L | |
| | | Benzoic Acid | < 50 | 50 | GroundH2O | ug/L | |
| | | Naphthalene | < 10 | 10 | GroundH2O | ug/L | |
| | | Hexachlorobutadiene | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Chloronaphthalene | < 10 | 10 | GroundH2O | ug/L | |
| | | Dimethyl phthalate | < 10 | 10 | GroundH2O | ug/L | |
| | | 4-Nitrophenol | < 50 | 50 | GroundH2O | ug/L | |
| | | Diethyl phthalate | < 10 | 10 | GroundH2O | ug/L | |
| | | Carbofuran | < 10 | 10 | GroundH2O | ug/L | |
| | | Pentachlorophenol | < 50 | 50 | GroundH2O | ug/L | |
| | | Phenanthrene | < 10 | 10 | GroundH2O | ug/L | |
| | | Di-n-butylphthalate | < 10 | 10 | GroundH2O | ug/L | |
| | | Butylbenzylphthalate | < 10 | 10 | GroundH2O | ug/L | |
| | | Bis(2-ethylhexyl)phthalate | 13 | 4.0 | GroundH2O | ug/L | |

Sample Date: 30-MAR-95
Extract Date: 05-APR-95
Analysis Date: 09-APR-95

Chk'd: App'd:
Date App'd: 4.20.95

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SEMIVOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Compound | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10456-004 | GWG34S | Phenol | < 10 | 10 | GroundH2O | ug/L | |
| | | 3&4-Methylphenol | < 10 | 10 | GroundH2O | ug/L | |
| | | Nitrobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | Isophorone | < 10 | 10 | GroundH2O | ug/L | |
| | | 2,4-Dimethylphenol | < 10 | 10 | GroundH2O | ug/L | |
| | | Bis(2-chloroethoxy)methane | < 10 | 10 | GroundH2O | ug/L | |
| | | Benzoic Acid | < 50 | 50 | GroundH2O | ug/L | |
| | | Naphthalene | < 10 | 10 | GroundH2O | ug/L | |
| | | Hexachlorobutadiene | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Chloronaphthalene | < 10 | 10 | GroundH2O | ug/L | |
| | | Dimethyl phthalate | < 10 | 10 | GroundH2O | ug/L | |
| | | 4-Nitrophenol | < 50 | 50 | GroundH2O | ug/L | |
| | | Diethyl phthalate | < 10 | 10 | GroundH2O | ug/L | |
| | | Carbofuran | < 10 | 10 | GroundH2O | ug/L | |
| | | Pentachlorophenol | < 50 | 50 | GroundH2O | ug/L | |
| | | Phenanthrene | < 10 | 10 | GroundH2O | ug/L | |
| | | Di-n-butylphthalate | < 10 | 10 | GroundH2O | ug/L | |
| | | Butylbenzylphthalate | < 10 | 10 | GroundH2O | ug/L | |
| | | Bis(2-ethylhexyl)phthalate | < 4.0 | 4.0 | GroundH2O | ug/L | |

Sample Date: 30-MAR-95
Extract Date: 05-APR-95
Analysis Date: 09-APR-95

Chk'd: App'd: CAW
Date App'd: 4-20-95

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SEMIVOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Compound | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10456-005 | GWG34D | Phenol | < 10 | 10 | GroundH2O | ug/L | |
| | | 3&4-Methylphenol | < 10 | 10 | GroundH2O | ug/L | |
| | | Nitrobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | Isophorone | < 10 | 10 | GroundH2O | ug/L | |
| | | 2,4-Dimethylphenol | < 10 | 10 | GroundH2O | ug/L | |
| | | Bis(2-chloroethoxy)methane | < 10 | 10 | GroundH2O | ug/L | |
| | | Benzoic Acid | < 50 | 50 | GroundH2O | ug/L | |
| | | Naphthalene | < 10 | 10 | GroundH2O | ug/L | |
| | | Hexachlorobutadiene | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Chloronaphthalene | < 10 | 10 | GroundH2O | ug/L | |
| | | Dimethyl phthalate | < 10 | 10 | GroundH2O | ug/L | |
| | | 4-Nitrophenol | < 50 | 50 | GroundH2O | ug/L | |
| | | Diethyl phthalate | < 10 | 10 | GroundH2O | ug/L | |
| | | Carbofuran | < 10 | 10 | GroundH2O | ug/L | |
| | | Pentachlorophenol | < 50 | 50 | GroundH2O | ug/L | |
| | | Phenanthrene | < 10 | 10 | GroundH2O | ug/L | |
| | | Di-n-butylphthalate | < 10 | 10 | GroundH2O | ug/L | |
| | | Butylbenzylphthalate | < 10 | 10 | GroundH2O | ug/L | |
| | | Bis(2-ethylhexyl)phthalate | < 4.0 | 4.0 | GroundH2O | ug/L | |

Sample Date: 30-MAR-95
Extract Date: 05-APR-95
Analysis Date: 09-APR-95

Chk'd: [illegible] App'd: [illegible]
Date App'd: 4-20-95

WI Lab Certification ID#: 113138300

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SEMIVOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Compound | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10456-006 | WEST SUMP | Phenol | < 11 | 10 | LEACHATE | ug/L | A1 |
| | | 3&4-Methylphenol | 50 | 10 | LEACHATE | ug/L | |
| | | Nitrobenzene | < 11 | 10 | LEACHATE | ug/L | A1 |
| | | Isophorone | < 11 | 10 | LEACHATE | ug/L | A1 |
| | | 2,4-Dimethylphenol | 30 | 10 | LEACHATE | ug/L | |
| | | Bis(2-chloroethoxy)methane | < 11 | 10 | LEACHATE | ug/L | A1 |
| | | Benzoic Acid | 580 | 50 | LEACHATE | ug/L | G1 |
| | | Naphthalene | 51 | 10 | LEACHATE | ug/L | |
| | | Hexachlorobutadiene | < 11 | 10 | LEACHATE | ug/L | A1 |
| | | 2-Chloronaphthalene | < 11 | 10 | LEACHATE | ug/L | A1 |
| | | Dimethyl phthalate | < 11 | 10 | LEACHATE | ug/L | A1 |
| | | 4-Nitrophenol | < 56 | 50 | LEACHATE | ug/L | A1 |
| | | Diethyl phthalate | < 11 | 10 | LEACHATE | ug/L | A1 |
| | | Carbofuran | < 11 | 10 | LEACHATE | ug/L | A1 |
| | | Pentachlorophenol | < 56 | 50 | LEACHATE | ug/L | A1 |
| | | Phenanthrene | 18 | 10 | LEACHATE | ug/L | |
| | | Di-n-butylphthalate | < 11 | 10 | LEACHATE | ug/L | A1 |
| | | Butylbenzylphthalate | < 11 | 10 | LEACHATE | ug/L | A1 |
| | | Bis(2-ethylhexyl)phthalate | 49 | 4.0 | LEACHATE | ug/L | |

Sample Date: 30-MAR-95
Extract Date: 05-APR-95
Analysis Date: 09-APR-95

Chk'd: App'd:
Date App'd: 4-16-95

WI Lab Certification ID#: 113138300

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SEMIVOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Compound | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10456-007 | LEACHATE E3 | Phenol | < 11 | 10 | LEACHATE | ug/L | A1 |
| | | 3&4-Methylphenol | < 11 | 10 | LEACHATE | ug/L | A1 |
| | | Nitrobenzene | < 11 | 10 | LEACHATE | ug/L | A1 |
| | | Isophorone | < 11 | 10 | LEACHATE | ug/L | A1 |
| | | 2,4-Dimethylphenol | 280 | 10 | LEACHATE | ug/L | |
| | | Bis(2-chloroethoxy)methane | < 11 | 10 | LEACHATE | ug/L | A1 |
| | | Benzoic Acid | < 56 | 50 | LEACHATE | ug/L | A1 |
| | | Naphthalene | < 11 | 10 | LEACHATE | ug/L | A1 |
| | | Hexachlorobutadiene | < 11 | 10 | LEACHATE | ug/L | A1 |
| | | 2-Chloronaphthalene | < 11 | 10 | LEACHATE | ug/L | A1 |
| | | Dimethyl phthalate | < 11 | 10 | LEACHATE | ug/L | A1 |
| | | 4-Nitrophenol | < 56 | 50 | LEACHATE | ug/L | A1 |
| | | Diethyl phthalate | < 11 | 10 | LEACHATE | ug/L | A1 |
| | | Carbofuran | < 11 | 10 | LEACHATE | ug/L | A1 |
| | | Pentachlorophenol | < 56 | 50 | LEACHATE | ug/L | A1 |
| | | Phenanthrene | < 11 | 10 | LEACHATE | ug/L | A1 |
| | | Di-n-butylphthalate | < 11 | 10 | LEACHATE | ug/L | A1 |
| | | Butylbenzylphthalate | < 11 | 10 | LEACHATE | ug/L | A1 |
| | | Bis(2-ethylhexyl)phthalate | 14 | 4.0 | LEACHATE | ug/L | |

Sample Date: 30-MAR-95
Extract Date: 05-APR-95
Analysis Date: 09-APR-95

Chk'd: App'd:
Date App'd: 4-26-95

WI Lab Certification ID#: 113138300

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SEMIVOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Compound | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10456-008 | LEACHATE G7 | Phenol | < 11 | 10 | LEACHATE | ug/L | A1 |
| | | 3&4-Methylphenol | < 11 | 10 | LEACHATE | ug/L | A1 |
| | | Nitrobenzene | < 11 | 10 | LEACHATE | ug/L | A1 |
| | | Isophorone | < 11 | 10 | LEACHATE | ug/L | A1 |
| | | 2,4-Dimethylphenol | 86 | 10 | LEACHATE | ug/L | |
| | | Bis(2-chloroethoxy)methane | < 11 | 10 | LEACHATE | ug/L | A1 |
| | | Benzoic Acid | < 54 | 50 | LEACHATE | ug/L | A1 |
| | | Naphthalene | 21 | 10 | LEACHATE | ug/L | |
| | | Hexachlorobutadiene | < 11 | 10 | LEACHATE | ug/L | A1 |
| | | 2-Chloronaphthalene | < 11 | 10 | LEACHATE | ug/L | A1 |
| | | Dimethyl phthalate | < 11 | 10 | LEACHATE | ug/L | A1 |
| | | 4-Nitrophenol | < 54 | 50 | LEACHATE | ug/L | A1 |
| | | Diethyl phthalate | < 11 | 10 | LEACHATE | ug/L | A1 |
| | | Carbofuran | < 11 | 10 | LEACHATE | ug/L | A1 |
| | | Pentachlorophenol | < 54 | 50 | LEACHATE | ug/L | A1 |
| | | Phenanthrene | < 11 | 10 | LEACHATE | ug/L | A1 |
| | | Di-n-butylphthalate | < 11 | 10 | LEACHATE | ug/L | A1 |
| | | Butylbenzylphthalate | < 11 | 10 | LEACHATE | ug/L | A1 |
| | | Bis(2-ethylhexyl)phthalate | 20 | 4.0 | LEACHATE | ug/L | |

Sample Date: 30-MAR-95
Extract Date: 05-APR-95
Analysis Date: 09-APR-95

Chk'd: App'd:
Date App'd: 4-20-95

WI Lab Certification ID#: 113138300

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SEMIVOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Compound | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10456-009 | LEACHATE N1 | Phenol | < 100 | 10 | LEACHATE | ug/L | A2 |
| | | 3&4-Methylphenol | < 100 | 10 | LEACHATE | ug/L | A2 |
| | | Nitrobenzene | < 100 | 10 | LEACHATE | ug/L | A2 |
| | | Isophorone | < 100 | 10 | LEACHATE | ug/L | A2 |
| | | 2,4-Dimethylphenol | < 100 | 10 | LEACHATE | ug/L | A2 |
| | | Bis(2-chloroethoxy)methane | < 100 | 10 | LEACHATE | ug/L | A2 |
| | | Benzoic Acid | < 500 | 50 | LEACHATE | ug/L | A2 |
| | | Naphthalene | < 100 | 10 | LEACHATE | ug/L | A2 |
| | | Hexachlorobutadiene | < 100 | 10 | LEACHATE | ug/L | A2 |
| | | 2-Chloronaphthalene | < 100 | 10 | LEACHATE | ug/L | A2 |
| | | Dimethyl phthalate | < 100 | 10 | LEACHATE | ug/L | A2 |
| | | 4-Nitrophenol | < 500 | 50 | LEACHATE | ug/L | A2, A17 |
| | | Diethyl phthalate | < 100 | 10 | LEACHATE | ug/L | A2 |
| | | Carbofuran | < 100 | 10 | LEACHATE | ug/L | A2 |
| | | Pentachlorophenol | < 500 | 50 | LEACHATE | ug/L | A2, A17 |
| | | Phenanthrene | < 100 | 10 | LEACHATE | ug/L | A2 |
| | | Di-n-butylphthalate | < 100 | 10 | LEACHATE | ug/L | A2 |
| | | Butylbenzylphthalate | < 100 | 10 | LEACHATE | ug/L | A2 |
| | | Bis(2-ethylhexyl)phthalate | 130 | 4.0 | LEACHATE | ug/L | |

Sample Date: 30-MAR-95
Extract Date: 10-APR-95
Analysis Date: 14-APR-95

Chk'd: App'd:
Date App'd: 4.20.95

WI Lab Certification ID#: 113138300

**MONTGOMERY WATSON**
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PESTICIDE/PCB REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Compound | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10456-003 | GWG1160 | alpha-BHC | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | beta-BHC | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | delta-BHC | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | gamma-BHC (Lindane) | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | Heptachlor | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | Aldrin | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | Heptachlor epoxide | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | Endosulfan I | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | Dieldrin | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | p,p'-DDE | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | Endrin | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | Endosulfan II | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | p,p'-DDD | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | Endosulfan sulfate | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | p,p'-DDT | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | Endrin ketone | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | Methoxychlor | < 0.50 | 0.50 | GroundH2O | ug/L | |
| | | Endrin aldehyde | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | Chlordane (Technical) | < 0.50 | 0.50 | GroundH2O | ug/L | |
| | | Toxaphene | < 1.0 | 1.0 | GroundH2O | ug/L | |
| | | PCB-1016 | < 0.50 | 0.50 | GroundH2O | ug/L | |
| | | PCB-1221 | < 1.0 | 1.0 | GroundH2O | ug/L | |
| | | PCB-1232 | < 1.0 | 1.0 | GroundH2O | ug/L | |
| | | PCB-1242 | < 0.50 | 0.50 | GroundH2O | ug/L | |
| | | PCB-1248 | < 0.50 | 0.50 | GroundH2O | ug/L | |
| | | PCB-1254 | < 1.0 | 1.0 | GroundH2O | ug/L | |
| | | PCB-1260 | < 1.0 | 1.0 | GroundH2O | ug/L | |
| | | Alachlor | < 0.20 | 0.20 | GroundH2O | ug/L | |

Sample Date: 30-MAR-95
Extract Date: 04-APR-95
Analysis Date: 04, 05-APR-95

Chk'd: [illegible] App'd: CAW
Date App'd: 4-20-95

WI Lab Certification ID#: 113138300

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PESTICIDE/PCB REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Compound | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10456-006 | WEST SUMP | alpha-BHC | < 0.50 | 0.050 | LEACHATE | ug/L | A2 |
| | | beta-BHC | < 0.50 | 0.050 | LEACHATE | ug/L | A2 |
| | | delta-BHC | < 0.50 | 0.050 | LEACHATE | ug/L | A2 |
| | | gamma-BHC (Lindane) | < 0.50 | 0.050 | LEACHATE | ug/L | A2 |
| | | Heptachlor | < 0.50 | 0.050 | LEACHATE | ug/L | A2 |
| | | Aldrin | < 0.50 | 0.050 | LEACHATE | ug/L | A2 |
| | | Heptachlor epoxide | < 0.50 | 0.050 | LEACHATE | ug/L | A2 |
| | | Endosulfan I | < 0.50 | 0.050 | LEACHATE | ug/L | A2 |
| | | Dieldrin | < 1.0 | 0.10 | LEACHATE | ug/L | A2 |
| | | p,p'-DDE | < 1.0 | 0.10 | LEACHATE | ug/L | A2 |
| | | Endrin | < 1.0 | 0.10 | LEACHATE | ug/L | A2 |
| | | Endosulfan II | < 1.0 | 0.10 | LEACHATE | ug/L | A2 |
| | | p,p'-DDD | < 1.0 | 0.10 | LEACHATE | ug/L | A2 |
| | | Endosulfan sulfate | < 1.0 | 0.10 | LEACHATE | ug/L | A2 |
| | | p,p'-DDT | < 1.0 | 0.10 | LEACHATE | ug/L | A2 |
| | | Endrin ketone | < 1.0 | 0.10 | LEACHATE | ug/L | A2 |
| | | Methoxychlor | < 5.0 | 0.50 | LEACHATE | ug/L | A2 |
| | | Endrin aldehyde | < 1.0 | 0.10 | LEACHATE | ug/L | A2 |
| | | Chlordane (Technical) | < 5.0 | 0.50 | LEACHATE | ug/L | A2 |
| | | Toxaphene | < 10 | 1.0 | LEACHATE | ug/L | A2 |
| | | PCB-1016 | < 5.0 | 0.50 | LEACHATE | ug/L | A2 |
| | | PCB-1221 | < 10 | 1.0 | LEACHATE | ug/L | A2 |
| | | PCB-1232 | < 10 | 1.0 | LEACHATE | ug/L | A2 |
| | | PCB-1242 | < 5.0 | 0.50 | LEACHATE | ug/L | A2 |
| | | PCB-1248 | < 5.0 | 0.50 | LEACHATE | ug/L | A2 |
| | | PCB-1254 | < 10 | 1.0 | LEACHATE | ug/L | A2 |
| | | PCB-1260 | < 10 | 1.0 | LEACHATE | ug/L | A2 |
| | | Alachlor | < 2.0 | 0.20 | LEACHATE | ug/L | A2 |

Sample Date: 30-MAR-95
Extract Date: 04-APR-95
Analysis Date: 12-APR-95

Chk'd: [illegible] App'd: [illegible]
Date App'd: 4.20.95

WI Lab Certification ID#: 113138300

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PESTICIDE/PCB REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Compound | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10456-007 | LEACHATE E3 | alpha-BHC | < 0.050 | 0.050 | LEACHATE | ug/L | A4 |
| | | beta-BHC | < 0.050 | 0.050 | LEACHATE | ug/L | A4 |
| | | delta-BHC | < 0.050 | 0.050 | LEACHATE | ug/L | A4 |
| | | gamma-BHC (Lindane) | < 0.050 | 0.050 | LEACHATE | ug/L | A4 |
| | | Heptachlor | < 0.050 | 0.050 | LEACHATE | ug/L | A4 |
| | | Aldrin | < 0.050 | 0.050 | LEACHATE | ug/L | A4 |
| | | Heptachlor epoxide | < 0.050 | 0.050 | LEACHATE | ug/L | A4 |
| | | Endosulfan I | < 0.050 | 0.050 | LEACHATE | ug/L | A4 |
| | | Dieldrin | < 0.10 | 0.10 | LEACHATE | ug/L | A4 |
| | | p,p'-DDE | < 0.10 | 0.10 | LEACHATE | ug/L | A4 |
| | | Endrin | < 0.10 | 0.10 | LEACHATE | ug/L | A4 |
| | | Endosulfan II | < 0.10 | 0.10 | LEACHATE | ug/L | A4 |
| | | p,p'-DDD | < 0.10 | 0.10 | LEACHATE | ug/L | A4 |
| | | Endosulfan sulfate | < 0.10 | 0.10 | LEACHATE | ug/L | A4 |
| | | p,p'-DDT | < 0.10 | 0.10 | LEACHATE | ug/L | A4 |
| | | Endrin ketone | < 0.10 | 0.10 | LEACHATE | ug/L | A4 |
| | | Methoxychlor | < 0.50 | 0.50 | LEACHATE | ug/L | A4 |
| | | Endrin aldehyde | < 0.10 | 0.10 | LEACHATE | ug/L | A4 |
| | | Chlordane (Technical) | < 0.50 | 0.50 | LEACHATE | ug/L | A4 |
| | | Toxaphene | < 1.0 | 1.0 | LEACHATE | ug/L | A4 |
| | | PCB-1016 | < 0.50 | 0.50 | LEACHATE | ug/L | A4 |
| | | PCB-1221 | < 1.0 | 1.0 | LEACHATE | ug/L | A4 |
| | | PCB-1232 | < 1.0 | 1.0 | LEACHATE | ug/L | A4 |
| | | PCB-1242 | < 0.50 | 0.50 | LEACHATE | ug/L | A4 |
| | | PCB-1248 | < 0.50 | 0.50 | LEACHATE | ug/L | A4 |
| | | PCB-1254 | < 1.0 | 1.0 | LEACHATE | ug/L | A4 |
| | | PCB-1260 | < 1.0 | 1.0 | LEACHATE | ug/L | A4 |
| | | Alachlor | < 0.20 | 0.20 | LEACHATE | ug/L | A4 |

Sample Date: 30-MAR-95
Extract Date: 04-APR-95
Analysis Date: 04, 05-APR-95

Chk'd: App'd: CAW
Date App'd: 4.20.95

WI Lab Certification ID#: 113138300

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PESTICIDE/PCB REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Compound | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10456-008 | LEACHATE G7 | alpha-BHC | < 0.050 | 0.050 | LEACHATE | ug/L | A4 |
| | | beta-BHC | < 0.050 | 0.050 | LEACHATE | ug/L | A4 |
| | | delta-BHC | < 0.050 | 0.050 | LEACHATE | ug/L | A4 |
| | | gamma-BHC (Lindane) | < 0.050 | 0.050 | LEACHATE | ug/L | A4 |
| | | Heptachlor | < 0.050 | 0.050 | LEACHATE | ug/L | A4 |
| | | Aldrin | < 0.050 | 0.050 | LEACHATE | ug/L | A4 |
| | | Heptachlor epoxide | < 0.050 | 0.050 | LEACHATE | ug/L | A4 |
| | | Endosulfan I | < 0.050 | 0.050 | LEACHATE | ug/L | A4 |
| | | Dieldrin | < 0.10 | 0.10 | LEACHATE | ug/L | A4 |
| | | p,p'-DDE | < 0.10 | 0.10 | LEACHATE | ug/L | A4 |
| | | Endrin | < 0.10 | 0.10 | LEACHATE | ug/L | A4 |
| | | Endosulfan II | < 0.10 | 0.10 | LEACHATE | ug/L | A4 |
| | | p,p'-DDD | < 0.10 | 0.10 | LEACHATE | ug/L | A4 |
| | | Endosulfan sulfate | < 0.10 | 0.10 | LEACHATE | ug/L | A4 |
| | | p,p'-DDT | < 0.10 | 0.10 | LEACHATE | ug/L | A4 |
| | | Endrin ketone | < 0.10 | 0.10 | LEACHATE | ug/L | A4 |
| | | Methoxychlor | < 0.50 | 0.50 | LEACHATE | ug/L | A4 |
| | | Endrin aldehyde | < 0.10 | 0.10 | LEACHATE | ug/L | A4 |
| | | Chlordane (Technical) | < 0.50 | 0.50 | LEACHATE | ug/L | A4 |
| | | Toxaphene | < 1.0 | 1.0 | LEACHATE | ug/L | A4 |
| | | PCB-1016 | < 0.50 | 0.50 | LEACHATE | ug/L | A4 |
| | | PCB-1221 | < 1.0 | 1.0 | LEACHATE | ug/L | A4 |
| | | PCB-1232 | < 1.0 | 1.0 | LEACHATE | ug/L | A4 |
| | | PCB-1242 | < 0.50 | 0.50 | LEACHATE | ug/L | A4 |
| | | PCB-1248 | < 0.50 | 0.50 | LEACHATE | ug/L | A4 |
| | | PCB-1254 | < 1.0 | 1.0 | LEACHATE | ug/L | A4 |
| | | PCB-1260 | < 1.0 | 1.0 | LEACHATE | ug/L | A4 |
| | | Alachlor | < 0.20 | 0.20 | LEACHATE | ug/L | A4 |

Sample Date: 30-MAR-95
Extract Date: 04-APR-95
Analysis Date: 04, 05-APR-95

Chk'd: App'd:
Date App'd: 4.20.95

WI Lab Certification ID#: 113138300

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PESTICIDE/PCB REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Compound | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10456-009 | LEACHATE N1 | alpha-BHC | < 0.050 | 0.050 | LEACHATE | ug/L | A4 |
| | | beta-BHC | < 0.050 | 0.050 | LEACHATE | ug/L | A4 |
| | | delta-BHC | < 0.050 | 0.050 | LEACHATE | ug/L | A4 |
| | | gamma-BHC (Lindane) | < 0.050 | 0.050 | LEACHATE | ug/L | A4 |
| | | Heptachlor | < 0.050 | 0.050 | LEACHATE | ug/L | A4 |
| | | Aldrin | < 0.050 | 0.050 | LEACHATE | ug/L | A4 |
| | | Heptachlor epoxide | < 0.050 | 0.050 | LEACHATE | ug/L | A4 |
| | | Endosulfan I | < 0.050 | 0.050 | LEACHATE | ug/L | A4 |
| | | Dieldrin | < 0.10 | 0.10 | LEACHATE | ug/L | A4 |
| | | p,p'-DDE | < 0.10 | 0.10 | LEACHATE | ug/L | A4 |
| | | Endrin | < 0.10 | 0.10 | LEACHATE | ug/L | A4 |
| | | Endosulfan II | < 0.10 | 0.10 | LEACHATE | ug/L | A4 |
| | | p,p'-DDD | < 0.10 | 0.10 | LEACHATE | ug/L | A4 |
| | | Endosulfan sulfate | < 0.10 | 0.10 | LEACHATE | ug/L | A4 |
| | | p,p'-DDT | < 0.10 | 0.10 | LEACHATE | ug/L | A4 |
| | | Endrin ketone | < 0.10 | 0.10 | LEACHATE | ug/L | A4 |
| | | Methoxychlor | < 0.50 | 0.50 | LEACHATE | ug/L | A4 |
| | | Endrin aldehyde | < 0.10 | 0.10 | LEACHATE | ug/L | A4 |
| | | Chlordane (Technical) | < 0.50 | 0.50 | LEACHATE | ug/L | A4 |
| | | Toxaphene | < 1.0 | 1.0 | LEACHATE | ug/L | A4 |
| | | PCB-1016 | < 0.50 | 0.50 | LEACHATE | ug/L | A4 |
| | | PCB-1221 | < 1.0 | 1.0 | LEACHATE | ug/L | A4 |
| | | PCB-1232 | < 1.0 | 1.0 | LEACHATE | ug/L | A4 |
| | | PCB-1242 | < 0.50 | 0.50 | LEACHATE | ug/L | A4 |
| | | PCB-1248 | < 0.50 | 0.50 | LEACHATE | ug/L | A4 |
| | | PCB-1254 | < 1.0 | 1.0 | LEACHATE | ug/L | A4 |
| | | PCB-1260 | < 1.0 | 1.0 | LEACHATE | ug/L | A4 |
| | | Alachlor | < 0.20 | 0.20 | LEACHATE | ug/L | A4 |

Sample Date: 30-MAR-95
Extract Date: 04-APR-95
Analysis Date: 04, 05-APR-95

Chk'd: [illegible] App'd: [illegible]
Date App'd: 4-20-95

WI Lab Certification ID#: 113138300

— Leachate Well — Program:
Lists: 1, 2, 3 and 4



| Name of Sampler | Sample No. | TD | T.O.C. Elev. | Depth to Water | GW Elev. | Odor | Color | Turb. | Time Purged | Volume Purged | Well Capacity | Time Sampled | pH | Cond ~~Comments~~ | Temp |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dup/RTW | West Sump | N/A | | N/A | | Leachate | Dark Brown | None | N/A | N/A | N/A | 1415 | 7.54 | 26,000 | 20.4°C |
| Dup/RTW | N1 | N/A | | N/A | | Leachate | Dark Brown | None | N/A | N/A | N/A | 1600 | 7.40 | 16,000 | 15.1°C |
| Dup/RTW | E3 | N/A | | N/A | | Leachate | Brown | None | N/A | N/A | N/A | 1445 | 7.40 | 17,000 | 20.7°C |
| | [redacted] | | | | | | | | | | | | | | |
| Dup/RTW | G7 | N/A | | N/A | | Leachate | Brown | None | N/A | N/A | N/A | 1530 | 7.45 | 15,000 | 18.7°C |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

Filter:
l-poly metals ($HNO_3$)
l-poly TDS, Chloride

Unfiltered:
4 VOAs VOCs HCL
2 Ambers l - SVOCs
2 Ambers l - Pest/PCBs
1 Amber l - Pest
l-poly - BOD
l-poly - Total CN (NaOH)
l-poly - TOC, COD, $NH_4$, Nitrate [redacted] ($H_2SO_4$)

Sampling Device: Disposable PVC Bailer

Purging Method: Sampled Direct - No purging

Cleaning Method: Form #

[jlv/Wiskes/Winna-18]

PROGRAM 2

LISS: 1, 2, 3, and 4



| Name of Sampler | Sample No. | TD | T.O.C. Elev. | Depth to Water | GW Elev. | Odor | Color | Turb. | Time Purged | Volume Purged | Well Capacity | Time Sampled | pH | COND. ~~Comments~~ | Temp |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MOR | MW 106 | 62.00 | | 18.80 | | MUSTY | Yellowish Brown | Moderate | 12:00 | 22 gallons | 7.2 gallons | 12:25 | 7.31 | 3100 | 7.1°C |
| RTW | P1 | 37.74 | | 20.62 | | MUSTY | Yellowish | moderate | 11:30 | 8.6 gallons | 2.85 gallons | 11:55 | 7.09 | 1600 | 15.2°C |
| RTW/LMS | B15P | 66.72 | | 35.66 | | NONE | Light Yellow | NONE | 15:00 | 16 gallons | 5.2 gallons | 15:30 | 7.47 | 500 | 12.5°C |
| RTW/LMS | B15R | 47.68 | | 38.63 | | MUSTY | Light Brown | moderate | 15:00 | 4.5 gallons | 1.5 gallons | 15:30 | 7.06 | 1700 | 12.6°C |
| Dep | G132 | 101.30 | | 20.44 | | NONE | clear | NONE | 12:15 | 41 gallons | 13.5 gallons | 12:45 | 7.89 | 500 | 7.0°C |
| MOR | G35S | 20.10 | | 7.21 | | NONE | yellow orange | very turbid | 16:30 | 6.5 gallons | 2.15 gallons | 16:45 | 7.36 | 500 | 7.8°C |
| RTW | G35D | 50.60 | | 7.26 | | NONE | ORANGE | very turbid | 16:30 | 22 gallons | 7.2 gallons | 16:45 | 7.39 | 1700 | 9.2°C |
| Dep | G116D | 97.3 | | 5.88 | | NONE | Clear | NONE | 9:00 | 46 gallons | 15.3 gallons | 9:30 | 7.11 | 450 | 8.5°C |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

Filter:
1 - poly - metals ($HNO_3$)
1 - poly - TDS, chloride

Unfiltered:
4 VOAs - VOCs (HCL)
2 Amber 1 - SVOCs
2 Amber 1 - Pest/PCBs
1 Amber 1 - Pesticides
2 Amber 1 Herbicides
1 1 - poly - BOD
1 1 poly - Total cyanide ($NaOH$)
1 1 - poly - TOC, [illegible], nitrate ($H_2SO_4$)

Sampling Device: Stainless Steel Bailer

Purging Method: Stainless Steel Bailer

Cleaning Method: Form #

[jlv/Wiskes/Winna-18]

Pri Am 2

LISTS: 1, 2, 3, and 5



| Name of Sampler | Sample No. | TD | T.O.C. Elev. | Depth to Water | GW Elev. | Odor | Color | Turb. | Time Purged | Volume Purged | Well Capacity | Time Sampled | pH | Conductivity ~~Comments~~ | Temp |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dap | G117 | 26.20 | | 16.09 | | None | Light Yellow Brown | Slight to moderate | 8:00 | 5 gallons | 1.65 gallons | 8:30 | 7.39 | 1150 | 8.9°C |
| RTM | G37S | 7.30? | | 5.40 | | None | Light Brown | moderate to turbid | 8:00 | .9 gallons | .3 gallons | 845 | 7.06 | 560 | 9.2°C |
| MOR | G37D | 83.10 | | 4.30 | | None | light Brown | moderate to turbid | 9:00 | 39 gallons | 15 gallons | 930 | 7.57 | 495 | 8.5°C |
| MOR | G119R | 23.20 | | 13.34 | | None | Yellow Orange | moderate to turbid | 1100 | 5 gallons | 1.6 gallons | 1130 | 7.63 | 500 | 9.0°C |
| RTW | G119A | 50.24 | | 13.86 | | None | light Yellow | Weak to None | 1100 | 18 gallons | 6 gallons | 1130 | 7.28 | 500 | 9.6°C |
| Dap | G118R | 15.90 | | 9.98 | | None | Choc Brown | Very Turbid | 915 | 3 gallons | 1 gallon | 9:30 | 7.68 | 1,000 | 6.1°C |
| Dap | G118A | 45.50 | | 10.78 | | None | clear - light gray | None (weak) | 1000 | 17.5 gallons | 5.75 gallons | 1030 | 7.40 | 500 | 9.9°C |
| Dap | G115 | 23.00 | | 16.16 | | None | Dark Brown | Turbid | 1430 | 3.5 gallons | 1.1 gallons | 1500 | 6.84 | 1050 | 9.5°C |
| RTW | G130 | 16.40 | | 6.67 | | None | Choc. Brown | Turbid | 1330 | 5 gallons | 1.6 gallons | 1345 | 7.83 | 500 | 8.9°C |
| MOR | G130A | 45.65 | | 6.58 | | None | Clear | None | 1330 | 20 gallons | 6.5 gallons | 1400 | 7.76 | 500 | 9.9°C |

Filter:

l-poly-metals ($HNO_3$)
l-poly-TDS, chloride

Unfiltered:

3 VOAs - VOCs (HCl)
2-amber l - SVOCs
l-poly - BOD
l-poly - Total CN - (NaOH)
l-poly - TOC, COD, $NH_4$, Nitrate ($H_2SO_4$)

Sampling Device: Stainless Steel Bailer

Purging Method: Stainless Steel Bailer

Cleaning Method: _____ Form # _____

[jlv/Wiskes/Winne-1B]

PROGRAM

LISIS 1, 2, 3 and 5



| Name of Sampler | Sample No. | TD | T.O.C. Elev. | Depth to Water | GW Elev. | Odor | Color | Turb. | Time Purged | Volume Purged | Well Capacity | Time Sampled | PH | COND. ~~Comments~~ | Temp. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JOP | G36 | 40.10 | | 4.8 | | None | light yellow | moderate | 1300 | 18 gallons | 5.9 gallons | 1345 | 7.77 | 500 | 9.2°C |
| RTW | G34S | 19.72 | | 8.00 | | NONE | Yellow to orange-brown | very turbid | 930 | 6 gallons | 1.9 gallons | 1000 | 7.17 | 750 | 8.0°C |
| RTW | G34D | 84.92 | | 6.88 | | None | light yellow | moderate | 1100 | 39 gallons | 13 gallons | 1150 | 7.42 | 500 | 8.5°C |
| MOR | G33S | 19.92 | | 6.48 | | None | yellow orange | very silty-turbid | 1515 | 7 gallons | 2.2 gallons | 1545 | 7.84 | 495 | 7.5°C |
| RTW | G33D | 49.20 | | 7.18 | | NONE | light yellow | moderate | 1530 | 21 gallons | 7 gallons | 1600 | 7.77 | 500 | 9.2°C |
| RTW | G116 | 15.00 | | 6.45 | | None | Yellow brown | turbid | 850 | 4.1 gallons | 1.35 gallons | 900 | 6.93 | 400 | 8.0°C |
| MOR | G116A | 45.24 | | 7.18 | | None | clear | None | 850 | 19 gallons | 6.3 gallons | 915 | 6.99 | 550 | 8.0°C |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

Filter:

l-poly Metals ($HNO_3$)
l-poly TDS, chloride

Unfiltered:

3 VOAs - VOCs (HCl)
2 - Amber l - SVOCs
l-poly - BOD
l-poly - Total Cyanide (NaOH)
l-poly - TOC, COD, $NH_4$, Nitrate ($H_2SO_4$)
Stopal poly - Sulfur, Alkalinity, Flouride, PH

Sampling Device: Stainless Steel Bailer

Purging Method: Stainless Steel Bailer

Cleaning Method: Form #

[jlv/Viskes/Winne-1B]

MONTGOMERY WATSON

# CHAIN OF CUSTODY RECORD

SPECIAL INSTRUCTIONS:
- [ ] PECFA
- [ ] WI LUST
- [ ] ACT 307
- [ ] REPORT DRY WT
- [ ] OTHER:

TURNAROUND
- [x] 2 WEEKS (standard)
- [ ] 1 WEEK
- [ ] 3 DAYS
- [ ] 1 DAY

PROJECT NAME: Winnebago Rec. Landfill
PROJECT #: 4122.0031
CITY: Rockford
STATE: Illinois
SAMPLER(S): [illegible], Mike Rowe [illegible]

| COLLECTION DATE | COLLECTION TIME | GRAB / COMP | SAMPLE ID | NO. OF CONTAINERS | SVOCs | Pest/PCBs | Herb | Metals (dissolved) | TDS, Chloride | TOC, COD, Nitrate | TOTAL CN- | Sulfate, Alkalinity, pH, fluoride | REMARKS | LAB USE ONLY MATRIX | LAB NO. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/30/95 | 930 | X | WRL-GWG116D | 10 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | LIST 4 | GW | 10856-03 |
| | 845 | X | WRL-GWG116 | 7 | 2 | | | 1 | 1 | 1 | 1 | 1 | | | 02 |
| | 915 | X | WRL-GWG116A | 7 | 2 | | | 1 | 1 | 1 | 1 | 1 | | | 01 |
| | 1000 | X | WRL-GWG34S | 7 | 2 | | | 1 | 1 | 1 | 1 | 1 | | | 04 |
| | 1150 | X | WRL-GWG34D | 7 | 2 | | | 1 | 1 | 1 | 1 | 1 | | | 05 |
| | 1415 | X | WRL-West Sump (LIST 4) | 10 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | Leachate | Leachate | 06 |
| | 1445 | X | WRL-Leachate E3 (LIST 4) | 10 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | Samples | | 07 |
| | 1530 | X | WRL-Leachate G7 (LIST 4) | 10 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | from Landfill | | 08 |
| 3/30/95 | 1600 | X | WRL-Leachate N1 (LIST 4) | 10 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | | | 09 |
| | | | | | ✓ | ✓ | ✓ | | | | | | | | |

SPECIAL INSTRUCTIONS:

RECEIVED: [X] INTACT [X] ON ICE TEMP _____ °F

PROJ. MGR.: Sheila Taeschek

COC seal #s 92-01413, 14, 15, 16, 17, 18
92-01419, 20, 21, 22, 23, 24

Ship to: Montgomery Watson
One Science Ct.
Madison, Wisconsin 53711

| | SIGNATURE | PRINT NAME | COMPANY / TITLE | DATE | TIME |
|---|---|---|---|---|---|
| RELINQUISHED BY: | [signature] | David A. Pieczynski | Montgomery Watson / Hydrogeologist | 3/31/95 | 1600 |
| RECEIVED BY: | | | | | |
| RELINQUISHED BY: | | | | | |
| RECEIVED BY: | [signature] | Randy Meinholz | M.W. Lab Langan | 4-1-95 | 8:40 |

C-O-C No. 010622

NAME OF COURIER: Fedex

AIRBILL NUMBER: 111 7986 231, 222, 213, 186, 204 and 177

MONTGOMERY WATSON

# CHAIN OF CUSTODY RECORD

SPECIAL INSTRUCTIONS:
- [ ] PECFA
- [ ] WI LUST
- [ ] ACT 307
- [ ] REPORT DRY WT
- [ ] OTHER:

TURNAROUND
- [x] 2 WEEKS (standard)
- [ ] 1 WEEK
- [ ] 3 DAYS
- [ ] 1 DAY

PROJECT NAME: WINNEBAGO LANDFILL
PROJECT #: 4122-0031
CITY: ROCKFORD
STATE: ILLINOIS
SAMPLER(S): [illegible], Randy [illegible]

| COLLECTION DATE | COLLECTION TIME | GRAB / COMP | SAMPLE ID | NO. OF CONTAINERS | BOD | | | | | | | | REMARKS | LAB USE ONLY MATRIX | LAB USE ONLY LAB NO. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/30/95 | 915 | X | WRL-GWG116A | 1 | X | | | | | | | | | GW | 10956-01 |
| | 845 | X | WRL-GWG116 | 1 | X | | | | | | | | | | 02 |
| | 930 | X | WRL-GWG116D | 1 | X | | | | | | | | | | 03 |
| | 1000 | X | WRL-GWG34S | 1 | X | | | | | | | | | | 04 |
| | 1155 | X | WRL-GWG34D | 1 | X | | | | | | | | | | 05 |
| | 1415 | X | WRL-West Sump | 1 | X | | | | | | | | | Leachate | 06 |
| | 1445 | X | WRL-Leachate E3 | 1 | X | | | | | | | | | | 07 |
| | 1530 | X | WRL-Leachate G7 | 1 | X | | | | | | | | | | 08 |
| 3/30/95 | 1600 | X | WRL-Leachate N1 | 1 | X | | | | | | | | | | 09 |

SPECIAL INSTRUCTIONS: * BOD's

RECEIVED: [X] INTACT [X] ON ICE TEMP _____ °F

COC seal #'s 92-00581, 02

PROJ. MGR.: Sheila TAUSCHEK

| | SIGNATURE | PRINT NAME | COMPANY / TITLE | DATE | TIME |
|---|---|---|---|---|---|
| RELINQUISHED BY: | [signature] | DAVID A. PIECZYNSKI | Montgomery WATSON / Hydrogeologist | 3/30/95 | 1800 |
| RECEIVED BY: | | | | | |
| RELINQUISHED BY: | | | | | |
| RECEIVED BY: | [signature] | RANDY MEINHOLZ | M. W. Lab Long [illegible] | 3-31-95 | 10:30 |

C-O-C No. 010621

NAME OF COURIER: Fed Ex

AIRBILL NUMBER: 3692436915

**MONTGOMERY WATSON**
Analytical Testing Services

April 21, 1995

Mr. Thomas Hilbert
Enviromental Engineer
Winnebago Reclamation
8403 Lindenwood Road
Rockford, Illinois 61109

Re: Winnebago Reclamation
Program 2
Sampled March 1995

Dear Mr. Hilbert:

Enclosed are two copies of the analytical results, diskette and chain-of-custody for the samples collected in March 1995. Please feel free to call if you have any questions.

Sincerely,

MONTGOMERY WATSON
Analytical Testing Services

Sheila M. Tauschek/CAW

Sheila M. Tauschek
Project Manager

Enclosures: As Stated

cc: S. Tauschek

SMT/kak/GLG
G:\DMGMT\LETTERS\41220031.DOC
L10438

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**MONTGOMERY WATSON**
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## METHOD REFERENCES

| Analytes | Aqueous | Non-Aqueous |
|---|---|---|
| Acidity | 305.2 | - |
| Alkalinity, Total | 310.1 / 310.2 | - |
| Alkalinity, Phenolphthalein | SM2320 | - |
| Alkalinity, Bicarbonate | SM2320 | - |
| Alkalinity, Carbonate | SM2320 | - |
| BOD-5 day | SM5210,4500-0 | - |
| Carbon, Percent Organic | - | 29-3.5.3 |
| Carbon, Total Organic (TOC) | 415.1 | - |
| Chloride | 325.2 | - |
| Chlorine, Residual | 330.3 | - |
| Chromium, Hexavalent | SM3500D | - |
| COD | 410.4 | - |
| Cyanide, Total | 335.3 | 9012 |
| Cyanide, Amenable | 335.1 | 9012 |
| Cyanide, Reactive | SW7.3 | SW7.3 |
| Density | SM2710F | SM2710F |
| Flashpoint, Closed Cup | SW1010 | SW1010 |
| Flashpoint, Open Cup | ASTMD4206 | ASTMD4206 |
| Fluoride | 340.2 | - |
| Hardness, Total | 130.1 | - |
| Nitrogen, Ammonia | 350.2 | 350.2 |
| Nitrogen, Nitrate | 353.2 | - |
| Nitrogen, Nitrite | 353.2 | - |
| Nitrogen, Nitrate + Nitrite | 353.2 | - |
| Nitrogen, Total Kjeldahl (TKN) | 351.3 | 351.3 |
| Nitrogen, Total Organic (TON) | 350.2 & 351.3 | 350.2 & 351.3 |
| Oil & grease | 413.1 | 9071 |
| Oil & grease (Polar) | 413.1 | 9071 |
| Oil & grease (Non-polar) | 5520F | - |
| Paint Filter Test | 9095 | 9095 |
| pH | 150.1 | 9045 |
| Phenol, Total | 420.2 | 9066 |
| Phosphorus, Total | 365.1 | 365.1 |
| Phosphorus, Ortho | 365.2 | - |
| Solids, Total | 160.3 | 160.3 |
| Solids, Total Dissolved | 160.1 | - |
| Solids, Total Suspended | 160.2 | - |
| Solids, Total Volatile | 160.4 | - |
| Solids, Total Volatile Suspended | 160.4 | - |
| Specific Conductance | 120.1 | - |
| Specific Weight | SM2710F | SM2710F |
| Sulfate | 375.2 | - |
| Sulfide, Total | 376.1 | 9030 |
| Sulfide, Reactive | SW7.3 | SW7.3 |
| Sulfite | 377.1 | - |
| Turbidity | 180.1 | - |
| TRPH | 418.1 & 9073 | 418.1 & 9073 |

SW846, "Test Methods for Evaluating Solid Waste", 3rd Ed., December 1987.

EPA-600, "Methods for Chemical Analysis of Water and Wastes", March 1984.

Standard Methods for the Examination of Water and Wastewater", 17th Edition, 1989.

ASTM, Annual Book of American Society for Testing and Materials Standards, 1983, Volume 6.01.

**MONTGOMERY WATSON**
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One Science Court
Madison, Wisconsin 53711
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## METHOD REFERENCES

| | Soil/Groundwater | | | | Wastewater | | | |
|---|---|---|---|---|---|---|---|---|
| **Analytes** | **ICP** | **Flame** | **Furnace** | **CV** | **ICP** | **Flame** | **Furnace** | **CV** |
| Aluminium | 6010 | 7020 | - | - | 200.7 | 202.1 | - | - |
| Antimony | 6010 | 7040 | 7041 | - | 200.7 | - | 204.2 | - |
| Arsenic | 6010 | - | 7060 | - | 200.7 | - | 206.2 | - |
| Barium | 6010 | 7080 | 7081 | - | 200.7 | 208.1 | 208.2 | - |
| Beryllium | 6010 | 7090 | 7091 | - | 200.7 | 210.1 | 210.2 | - |
| Boron | 6010 | - | - | - | 200.7 | - | - | - |
| Cadmium | 6010 | 7130 | 7131 | - | 200.7 | 213.1 | 213.2 | - |
| Calcium | 6010 | 7140 | | - | 200.7 | 215.1 | - | - |
| Chromium, Total | 6010 | 7190 | 7191 | - | 200.7 | 218.1 | 218.2 | - |
| Cobalt | 6010 | 7200 | - | - | 200.7 | 219.1 | - | - |
| Copper | 6010 | 7210 | - | - | 200.7 | 220.1 | - | - |
| Iron | 6010 | 7380 | - | - | 200.7 | 236.1 | - | - |
| Lead | 6010 | 7420 | 7421 | - | 200.7 | 239.1 | 239.2 | - |
| Magnesium | 6010 | 7450 | - | - | 200.7 | 242.1 | - | - |
| Manganese | 6010 | 7460 | - | - | 200.7 | 243.1 | - | - |
| Mercury | - | - | - | 7470/7471 | | | | 245.1 |
| Molybdenum | 6010 | 7480 | - | - | 200.7 | 246.1 | - | - |
| Nickel | 6010 | 7520 | - | - | 200.7 | 249.1 | - | - |
| Potassium | - | SM3500D | - | - | - | SM3500D | - | - |
| Selenium | 6010 | - | 7740 | - | 200.7 | - | 270.2 | - |
| Silver | 6010 | 7760 | 7761 | - | 200.7 | 272.1 | 272.2 | - |
| Sodium | 6010 | SM3500D | - | - | 200.7 | SM3500D | - | - |
| Strontium | 6010 | - | - | - | 200.7 | - | - | - |
| Thallium | 6010 | 7840 | 7841 | - | 200.7 | 279.1 | 279.2 | - |
| Tin | 6010 | - | - | - | 200.7 | - | - | - |
| Titanium | 6010 | - | - | - | 200.7 | - | - | - |
| Vanadium | 6010 | 7910 | 7911 | - | 200.7 | 286.1 | 286.2 | - |
| Zinc | 6010 | 7950 | - | - | 200.7 | 289.1 | - | - |

SW846, "Test Methods for Evaluating Solid Waste", 3rd Ed., December 1987.

EPA-600, "Methods for Chemical Analysis of Water and Wastes", March 1984.

Standard Methods for the Examination of Water and Wastewater", 17th Edition, 1989.

**MONTGOMERY WATSON**
Analytical Testing Services

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## METHOD REFERENCES

| Compounds | Soil/Groundwater | Wastewater |
|---|---|---|
| Alcohol | 8015* | 8015* |
| BEXT | 8020*** | 602 |
| DRO | Modified DRO | Modified DRO |
| GRO | Modified GRO*** | Modified GRO |
| Herbicides | 8150 | 8150 |
| Pesticides | 8080 | 608 |
| Pesticide/PCBs | 8080 | 608 |
| PCBs | 8080** | 608 |
| PCBs | 8080**** | 608 |
| PCP Screen | 8040**** | 8040**** |
| PNA (GC/MS) | 8270 | 8270 |
| PNA (HPLC) | 8310 | 8310 |
| PVOCs | 8020*** | 8020 |
| SVOCs | 8270 | 8270 |
| TPH | D-3328-78* | D-3328-78* |
| TRPH | 418.1 & 9073 | 418.1 & 9073 |
| VOCs | 8021 | 8021 |
| VOCs | 8010/8020*** | 601/602 |
| Solids, Total | 160.3 | 160.3 |

SW846, "Test Methods for Evaluating Solid Waste", 3rd Ed., December 1987.

EPA-600, "Methods for Organic Chemical Analysis of Water and Wastes", March, 1984.

ASTM, "Annual Book of ASTM Standards", 1990.

Wisconsin DNR Modified 9073 TRPH, PUBL-SW-140, Wisconsin DNR, April 1992.

Wisconsin DNR Modified DRO, PUBL-SW-141, Wisconsin DNR, July 1993.

Wisconsin DNR Modified GRO, PUBL-SW-140, Wisconsin DNR, July 1993.

* With Modifications
** With Modfications for Oil Matrix
*** With Modfications for Soil Gas Matrix
**** With Modifications for Wipe Matrix

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# STANDARD REPORT FOOTNOTES

A1 Elevated quantitation limit due to low sample volume.

A2 Elevated quantitation limit necessary to overcome interference.

A4 Result should be considered estimated due to sample-related problems encountered during analysis.

A11 Sample received past recommended hold time.

A12 Analysis requested past recommended hold time.

A13 Initial analysis performed within hold time; confirmation analysis performed past recommended hold time. Results from repeat analysis are reported.

A14 Initial analysis performed within hold time; necessary dilution performed past recommended hold time. Results from repeat analysis are reported.

A15 Result should be considered estimated; analyte detected in method blank.

A17 Result should be considered estimated as indicated by method QC.

M3 Total analysis performed due to insufficient solid for TCLP extraction.

G1 Result should be considered estimated, concentration exceeds working calibration range.

G2 Elevated quantitation limit due to the concentration of petroleum hydrocarbons in the sample.

G3 Elevated quantitation limit due to the concentration of non-specific hydrocarbons in the sample.

G4 Analyte coelutes with _____; result calculated from calibration standards in a 1:1 ratio of these two compounds.

G5 Sample required extensive cleanup; Endrin Aldehyde is not recovered from these techniques.

G6 Petroleum-type odor detected from this sample.

G7 Elevated quantitation limit due to the concentration of PCBs in the sample.

G8 Result should be considered estimated due to coelution with an additional hydrocarbon product.

G9 Results are influenced by the presence of extraneous peaks which are not representative of petroleum hydrocarbon products.

G10 Presence of one or more unidentified peaks eluting earlier than the retention time window.

G11 Presence of one or more unidentified peaks eluting later than the retention time window.

G12 Result is estimated. The method used is a screening procedure for this compound.

G13 Measurement performed using test strips.

G15 n-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine.

G16 Measurement upon receipt performed using test strips. Adjusted to pH <2.

G17 Results are influenced by the presence of extraneous peaks which are not representative of petroleum hydrocarbon products. Final results pending GC/MS confirmation.

**MONTGOMERY WATSON**
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INORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Sample Date | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| L10438-001 | GWP1 | Alkalinity, Total | 668 | 10 | GroundH2O | mg/L | 28-MAR-95 | 04-APR-95 |
| | | Aluminum | < 0.05 | 0.05 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Antimony | 0.003 | 0.002 | GroundH2O | mg/L | 28-MAR-95 | 13-APR-95 |
| | | Arsenic | 0.013 | 0.001 | GroundH2O | mg/L | 28-MAR-95 | 04-APR-95 |
| | | Barium | 0.34 | 0.01 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Beryllium | < 0.0002 | 0.0002 | GroundH2O | mg/L | 28-MAR-95 | 07-APR-95 |
| | | Biochemical Oxygen Demand | 9 | 1 | GroundH2O | mg/L | 28-MAR-95 | 29-MAR-95 |
| | | Boron | 0.55 | 0.10 | GroundH2O | mg/L | 28-MAR-95 | 07-APR-95 |
| | | Cadmium | < 0.0002 | 0.0002 | GroundH2O | mg/L | 28-MAR-95 | 07-APR-95 |
| | | Calcium | 48.4 | 1.00 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Chemical Oxygen Demand | 85 | 20 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Chloride | 202 | 2 | GroundH2O | mg/L | 28-MAR-95 | 03-APR-95 |
| | | Chromium, Total | < 0.01 | 0.01 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Cobalt | < 0.01 | 0.01 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Copper | < 0.01 | 0.01 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Cyanide, Total | < 0.005 | 0.005 | GroundH2O | mg/L | 28-MAR-95 | 07-APR-95 |
| | | Fluoride | 0.17 | 0.10 | GroundH2O | mg/L | 28-MAR-95 | 10-APR-95 |
| | | Iron | 0.48 | 0.02 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Lead | < 0.0015 | 0.0015 | GroundH2O | mg/L | 28-MAR-95 | 12-APR-95 |
| | | Magnesium | 43.5 | 1.00 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Manganese | 0.06 | 0.01 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Mercury | < 0.0002 | 0.0002 | GroundH2O | mg/L | 28-MAR-95 | 04-APR-95 |
| | | Nickel | < 0.02 | 0.02 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Nitrogen, Ammonia | 94.2 | 0.10 | GroundH2O | mg/L | 28-MAR-95 | 07-APR-95 |
| | | Nitrogen, Nitrate | 0.17 | 0.02 | GroundH2O | mg/L | 28-MAR-95 | 07-APR-95 |
| | | Potassium | 61.5 | 0.10 | GroundH2O | mg/L | 28-MAR-95 | 13-APR-95 |
| | | Selenium | < 0.002 | 0.002 | GroundH2O | mg/L | 28-MAR-95 | 05-APR-95 |
| | | Silver | < 0.01 | 0.01 | GroundH2O | mg/L | 28-MAR-95 | 17-APR-95 |
| | | Sodium | 91.6 | 2.00 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Solids, Total Dissolved | 700 | 20 | GroundH2O | mg/L | 28-MAR-95 | 03-APR-95 |
| | | Sulfate | 11 | 10 | GroundH2O | mg/L | 28-MAR-95 | 05-APR-95 |
| | | Thallium | < 0.001 | 0.001 | GroundH2O | mg/L | 28-MAR-95 | 14-APR-95 |
| | | Tin | < 0.20 | 0.20 | GroundH2O | mg/L | 28-MAR-95 | 08-APR-95 |
| | | Vanadium | < 0.02 | 0.02 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Zinc | < 0.01 | 0.01 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | pH | 7.00 | 0.01 | GroundH2O | S.U. | 28-MAR-95 | 29-MAR-95 |

Chk'd: Kob App'd: CAW
Date App'd: 4-20-95

WI Lab Certification ID#: 113138300

**MONTGOMERY WATSON**
Analytical Testing Services

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INORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Sample Date | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| L10438-002 | GWMW106 | Alkalinity, Total | 1110 | 10 | GroundH20 | mg/L | 28-MAR-95 | 04-APR-95 |
| | | Aluminum | < 0.05 | 0.05 | GroundH20 | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Antimony | 0.005 | 0.002 | GroundH20 | mg/L | 28-MAR-95 | 13-APR-95 |
| | | Arsenic | 0.007 | 0.001 | GroundH20 | mg/L | 28-MAR-95 | 04-APR-95 |
| | | Barium | 0.77 | 0.01 | GroundH20 | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Beryllium | < 0.0002 | 0.0002 | GroundH20 | mg/L | 28-MAR-95 | 07-APR-95 |
| | | Biochemical Oxygen Demand | 31 | 1 | GroundH20 | mg/L | 28-MAR-95 | 29-MAR-95 |
| | | Boron | 1.33 | 0.10 | GroundH20 | mg/L | 28-MAR-95 | 07-APR-95 |
| | | Cadmium | 0.0004 | 0.0002 | GroundH20 | mg/L | 28-MAR-95 | 07-APR-95 |
| | | Calcium | 69.7 | 1.00 | GroundH20 | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Chemical Oxygen Demand | 339 | 20 | GroundH20 | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Chloride | 629 | 2 | GroundH20 | mg/L | 28-MAR-95 | 03-APR-95 |
| | | Chromium, Total | 0.01 | 0.01 | GroundH20 | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Cobalt | 0.02 | 0.01 | GroundH20 | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Copper | < 0.01 | 0.01 | GroundH20 | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Cyanide, Total | < 0.005 | 0.005 | GroundH20 | mg/L | 28-MAR-95 | 07-APR-95 |
| | | Fluoride | 0.16 | 0.10 | GroundH20 | mg/L | 28-MAR-95 | 10-APR-95 |
| | | Iron | 0.05 | 0.02 | GroundH20 | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Lead | < 0.0015 | 0.0015 | GroundH20 | mg/L | 28-MAR-95 | 12-APR-95 |
| | | Magnesium | 55.2 | 1.00 | GroundH20 | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Manganese | 0.34 | 0.01 | GroundH20 | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Mercury | < 0.0002 | 0.0002 | GroundH20 | mg/L | 28-MAR-95 | 04-APR-95 |
| | | Nickel | 0.16 | 0.02 | GroundH20 | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Nitrogen, Ammonia | 208 | 0.10 | GroundH20 | mg/L | 28-MAR-95 | 07-APR-95 |
| | | Nitrogen, Nitrate | 0.05 | 0.02 | GroundH20 | mg/L | 28-MAR-95 | 07-APR-95 |
| | | Potassium | 104 | 0.10 | GroundH20 | mg/L | 28-MAR-95 | 13-APR-95 |
| | | Selenium | < 0.002 | 0.002 | GroundH20 | mg/L | 28-MAR-95 | 05-APR-95 |
| | | Silver | < 0.01 | 0.01 | GroundH20 | mg/L | 28-MAR-95 | 17-APR-95 |
| | | Sodium | 253 | 2.00 | GroundH20 | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Solids, Total Dissolved | 1420 | 20 | GroundH20 | mg/L | 28-MAR-95 | 03-APR-95 |
| | | Sulfate | < 10 | 10 | GroundH20 | mg/L | 28-MAR-95 | 05-APR-95 |
| | | Thallium | < 0.001 | 0.001 | GroundH20 | mg/L | 28-MAR-95 | 14-APR-95 |
| | | Tin | < 0.20 | 0.20 | GroundH20 | mg/L | 28-MAR-95 | 08-APR-95 |
| | | Vanadium | < 0.02 | 0.02 | GroundH20 | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Zinc | 3.60 | 0.01 | GroundH20 | mg/L | 28-MAR-95 | 06-APR-95 |
| | | pH | 7.16 | 0.01 | GroundH20 | S.U. | 28-MAR-95 | 29-MAR-95 |

Chk'd: [illegible] App'd: CAW
Date App'd: 4.20.95

WI Lab Certification ID#: 113138300

**MONTGOMERY WATSON**
Analytical Testing Services

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INORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
*Project Number:* 4122.0031

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Sample Date | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| L10438-003 | GWG35S | Alkalinity, Total | 291 | 10 | GroundH20 | mg/L | 28-MAR-95 | 04-APR-95 |
| | | Aluminum | < 0.05 | 0.05 | GroundH20 | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Antimony | 0.002 | 0.002 | GroundH20 | mg/L | 28-MAR-95 | 13-APR-95 |
| | | Arsenic | < 0.001 | 0.001 | GroundH20 | mg/L | 28-MAR-95 | 04-APR-95 |
| | | Barium | 0.24 | 0.01 | GroundH20 | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Beryllium | < 0.0002 | 0.0002 | GroundH20 | mg/L | 28-MAR-95 | 07-APR-95 |
| | | Biochemical Oxygen Demand | < 3 | 1 | GroundH20 | mg/L | 28-MAR-95 | 29-MAR-95 |
| | | Boron | 0.10 | 0.10 | GroundH20 | mg/L | 28-MAR-95 | 07-APR-95 |
| | | Cadmium | 0.0002 | 0.0002 | GroundH20 | mg/L | 28-MAR-95 | 07-APR-95 |
| | | Calcium | 72.2 | 1.00 | GroundH20 | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Chemical Oxygen Demand | 175 | 20 | GroundH20 | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Chloride | 41 | 2 | GroundH20 | mg/L | 28-MAR-95 | 03-APR-95 |
| | | Chromium, Total | < 0.01 | 0.01 | GroundH20 | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Cobalt | < 0.01 | 0.01 | GroundH20 | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Copper | < 0.01 | 0.01 | GroundH20 | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Cyanide, Total | < 0.005 | 0.005 | GroundH20 | mg/L | 28-MAR-95 | 07-APR-95 |
| | | Fluoride | 0.15 | 0.10 | GroundH20 | mg/L | 28-MAR-95 | 10-APR-95 |
| | | Iron | < 0.02 | 0.02 | GroundH20 | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Lead | < 0.0015 | 0.0015 | GroundH20 | mg/L | 28-MAR-95 | 12-APR-95 |
| | | Magnesium | 32.9 | 1.00 | GroundH20 | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Manganese | 0.07 | 0.01 | GroundH20 | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Mercury | < 0.0002 | 0.0002 | GroundH20 | mg/L | 28-MAR-95 | 04-APR-95 |
| | | Nickel | < 0.02 | 0.02 | GroundH20 | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Nitrogen, Ammonia | 6.10 | 0.10 | GroundH20 | mg/L | 28-MAR-95 | 07-APR-95 |
| | | Nitrogen, Nitrate | 7.09 | 0.02 | GroundH20 | mg/L | 28-MAR-95 | 07-APR-95 |
| | | Potassium | 14.2 | 0.10 | GroundH20 | mg/L | 28-MAR-95 | 13-APR-95 |
| | | Selenium | < 0.002 | 0.002 | GroundH20 | mg/L | 28-MAR-95 | 05-APR-95 |
| | | Silver | < 0.01 | 0.01 | GroundH20 | mg/L | 28-MAR-95 | 17-APR-95 |
| | | Sodium | 27.7 | 2.00 | GroundH20 | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Solids, Total Dissolved | 398 | 20 | GroundH20 | mg/L | 28-MAR-95 | 03-APR-95 |
| | | Sulfate | 25 | 10 | GroundH20 | mg/L | 28-MAR-95 | 05-APR-95 |
| | | Thallium | < 0.001 | 0.001 | GroundH20 | mg/L | 28-MAR-95 | 14-APR-95 |
| | | Tin | < 0.20 | 0.20 | GroundH20 | mg/L | 28-MAR-95 | 08-APR-95 |
| | | Vanadium | < 0.02 | 0.02 | GroundH20 | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Zinc | < 0.01 | 0.01 | GroundH20 | mg/L | 28-MAR-95 | 06-APR-95 |
| | | pH | 7.36 | 0.01 | GroundH20 | S.U. | 28-MAR-95 | 29-MAR-95 |

Chk'd: App'd:
Date App'd: 4.20.95

WI Lab Certification ID#: 113138300

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INORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Sample Date | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| L10438-004 | GWG350 | Alkalinity, Total | 743 | 10 | GroundH2O | mg/L | 28-MAR-95 | 04-APR-95 |
| | | Aluminum | 0.07 | 0.05 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Antimony | < 0.002 | 0.002 | GroundH2O | mg/L | 28-MAR-95 | 13-APR-95 |
| | | Arsenic | 0.004 | 0.001 | GroundH2O | mg/L | 28-MAR-95 | 04-APR-95 |
| | | Barium | 0.56 | 0.01 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Beryllium | < 0.0002 | 0.0002 | GroundH2O | mg/L | 28-MAR-95 | 07-APR-95 |
| | | Biochemical Oxygen Demand | 10 | 1 | GroundH2O | mg/L | 28-MAR-95 | 29-MAR-95 |
| | | Boron | 0.71 | 0.10 | GroundH2O | mg/L | 28-MAR-95 | 14-APR-95 |
| | | Cadmium | < 0.0002 | 0.0002 | GroundH2O | mg/L | 28-MAR-95 | 07-APR-95 |
| | | Calcium | 50.5 | 1.00 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Chemical Oxygen Demand | 225 | 20 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Chloride | 324 | 2 | GroundH2O | mg/L | 28-MAR-95 | 03-APR-95 |
| | | Chromium, Total | < 0.01 | 0.01 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Cobalt | < 0.01 | 0.01 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Copper | 0.02 | 0.01 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Cyanide, Total | < 0.005 | 0.005 | GroundH2O | mg/L | 28-MAR-95 | 07-APR-95 |
| | | Fluoride | 0.10 | 0.10 | GroundH2O | mg/L | 28-MAR-95 | 10-APR-95 |
| | | Iron | 0.18 | 0.02 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Lead | < 0.0015 | 0.0015 | GroundH2O | mg/L | 28-MAR-95 | 12-APR-95 |
| | | Magnesium | 42.3 | 1.00 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Manganese | 0.32 | 0.01 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Mercury | < 0.0002 | 0.0002 | GroundH2O | mg/L | 28-MAR-95 | 04-APR-95 |
| | | Nickel | 0.06 | 0.02 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Nitrogen, Ammonia | 121 | 0.10 | GroundH2O | mg/L | 28-MAR-95 | 07-APR-95 |
| | | Nitrogen, Nitrate | 0.05 | 0.02 | GroundH2O | mg/L | 28-MAR-95 | 07-APR-95 |
| | | Potassium | 70.0 | 0.10 | GroundH2O | mg/L | 28-MAR-95 | 13-APR-95 |
| | | Selenium | < 0.002 | 0.002 | GroundH2O | mg/L | 28-MAR-95 | 05-APR-95 |
| | | Silver | < 0.01 | 0.01 | GroundH2O | mg/L | 28-MAR-95 | 17-APR-95 |
| | | Sodium | 133 | 2.00 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Solids, Total Dissolved | 872 | 20 | GroundH2O | mg/L | 28-MAR-95 | 03-APR-95 |
| | | Sulfate | 13 | 10 | GroundH2O | mg/L | 28-MAR-95 | 05-APR-95 |
| | | Thallium | < 0.001 | 0.001 | GroundH2O | mg/L | 28-MAR-95 | 14-APR-95 |
| | | Tin | < 0.20 | 0.20 | GroundH2O | mg/L | 28-MAR-95 | 14-APR-95 |
| | | Vanadium | < 0.02 | 0.02 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Zinc | < 0.01 | 0.01 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | pH | 7.32 | 0.01 | GroundH2O | S.U. | 28-MAR-95 | 29-MAR-95 |

Chk'd: App'd:
Date App'd: 4-20-95

WI Lab Certification ID#: 113138300

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INORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Sample Date | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| L10438-005 | GWG132 | Alkalinity, Total | 278 | 10 | GroundH2O | mg/L | 28-MAR-95 | 04-APR-95 |
| | | Aluminum | < 0.05 | 0.05 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Antimony | < 0.002 | 0.002 | GroundH2O | mg/L | 28-MAR-95 | 13-APR-95 |
| | | Arsenic | < 0.001 | 0.001 | GroundH2O | mg/L | 28-MAR-95 | 04-APR-95 |
| | | Barium | 0.06 | 0.01 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Beryllium | < 0.0002 | 0.0002 | GroundH2O | mg/L | 28-MAR-95 | 07-APR-95 |
| | | Biochemical Oxygen Demand | < 1 | 1 | GroundH2O | mg/L | 28-MAR-95 | 29-MAR-95 |
| | | Boron | < 0.10 | 0.10 | GroundH2O | mg/L | 28-MAR-95 | 07-APR-95 |
| | | Cadmium | < 0.0002 | 0.0002 | GroundH2O | mg/L | 28-MAR-95 | 07-APR-95 |
| | | Calcium | 68.6 | 1.00 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Chemical Oxygen Demand | < 20 | 20 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Chloride | 14 | 2 | GroundH2O | mg/L | 28-MAR-95 | 03-APR-95 |
| | | Chromium, Total | < 0.01 | 0.01 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Cobalt | < 0.01 | 0.01 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Copper | < 0.01 | 0.01 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Cyanide, Total | < 0.005 | 0.005 | GroundH2O | mg/L | 28-MAR-95 | 07-APR-95 |
| | | Fluoride | 0.12 | 0.10 | GroundH2O | mg/L | 28-MAR-95 | 10-APR-95 |
| | | Iron | < 0.02 | 0.02 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Lead | < 0.0015 | 0.0015 | GroundH2O | mg/L | 28-MAR-95 | 12-APR-95 |
| | | Magnesium | 36.0 | 1.00 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Manganese | < 0.01 | 0.01 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Mercury | < 0.0002 | 0.0002 | GroundH2O | mg/L | 28-MAR-95 | 04-APR-95 |
| | | Nickel | < 0.02 | 0.02 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Nitrogen, Ammonia | < 0.10 | 0.10 | GroundH2O | mg/L | 28-MAR-95 | 07-APR-95 |
| | | Nitrogen, Nitrate | 6.28 | 0.02 | GroundH2O | mg/L | 28-MAR-95 | 07-APR-95 |
| | | Potassium | 1.16 | 0.10 | GroundH2O | mg/L | 28-MAR-95 | 13-APR-95 |
| | | Selenium | < 0.002 | 0.002 | GroundH2O | mg/L | 28-MAR-95 | 05-APR-95 |
| | | Silver | < 0.01 | 0.01 | GroundH2O | mg/L | 28-MAR-95 | 17-APR-95 |
| | | Sodium | 5.07 | 2.00 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Solids, Total Dissolved | 344 | 20 | GroundH2O | mg/L | 28-MAR-95 | 03-APR-95 |
| | | Sulfate | 26 | 10 | GroundH2O | mg/L | 28-MAR-95 | 05-APR-95 |
| | | Thallium | < 0.001 | 0.001 | GroundH2O | mg/L | 28-MAR-95 | 14-APR-95 |
| | | Tin | < 0.20 | 0.20 | GroundH2O | mg/L | 28-MAR-95 | 08-APR-95 |
| | | Vanadium | < 0.02 | 0.02 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Zinc | < 0.01 | 0.01 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | pH | 7.33 | 0.01 | GroundH2O | S.U. | 28-MAR-95 | 29-MAR-95 |

Chk'd: [illegible] App'd: [illegible]
Date App'd: 4-20-95

WI Lab Certification ID#: 113138300

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INORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Sample Date | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| L10438-006 | GWB15P | Alkalinity, Total | 268 | 10 | GroundH2O | mg/L | 28-MAR-95 | 04-APR-95 |
| | | Aluminum | < 0.05 | 0.05 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Antimony | 0.004 | 0.002 | GroundH2O | mg/L | 28-MAR-95 | 13-APR-95 |
| | | Arsenic | < 0.001 | 0.001 | GroundH2O | mg/L | 28-MAR-95 | 04-APR-95 |
| | | Barium | 0.02 | 0.01 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Beryllium | < 0.0002 | 0.0002 | GroundH2O | mg/L | 28-MAR-95 | 07-APR-95 |
| | | Biochemical Oxygen Demand | < 1 | 1 | GroundH2O | mg/L | 28-MAR-95 | 29-MAR-95 |
| | | Boron | < 0.10 | 0.10 | GroundH2O | mg/L | 28-MAR-95 | 07-APR-95 |
| | | Cadmium | 0.0002 | 0.0002 | GroundH2O | mg/L | 28-MAR-95 | 07-APR-95 |
| | | Calcium | 58.6 | 1.00 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Chemical Oxygen Demand | < 20 | 20 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Chloride | 12 | 2 | GroundH2O | mg/L | 28-MAR-95 | 03-APR-95 |
| | | Chromium, Total | < 0.01 | 0.01 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Cobalt | < 0.01 | 0.01 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Copper | < 0.01 | 0.01 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Cyanide, Total | 0.015 | 0.005 | GroundH2O | mg/L | 28-MAR-95 | 07-APR-95 |
| | | Fluoride | 0.10 | 0.10 | GroundH2O | mg/L | 28-MAR-95 | 10-APR-95 |
| | | Iron | < 0.02 | 0.02 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Lead | < 0.0015 | 0.0015 | GroundH2O | mg/L | 28-MAR-95 | 12-APR-95 |
| | | Magnesium | 38.1 | 1.00 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Manganese | < 0.01 | 0.01 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Mercury | < 0.0002 | 0.0002 | GroundH2O | mg/L | 28-MAR-95 | 04-APR-95 |
| | | Nickel | < 0.02 | 0.02 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Nitrogen, Ammonia | 0.15 | 0.10 | GroundH2O | mg/L | 28-MAR-95 | 07-APR-95 |
| | | Nitrogen, Nitrate | 7.32 | 0.02 | GroundH2O | mg/L | 28-MAR-95 | 07-APR-95 |
| | | Potassium | 0.97 | 0.10 | GroundH2O | mg/L | 28-MAR-95 | 13-APR-95 |
| | | Selenium | < 0.002 | 0.002 | GroundH2O | mg/L | 28-MAR-95 | 05-APR-95 |
| | | Silver | < 0.01 | 0.01 | GroundH2O | mg/L | 28-MAR-95 | 17-APR-95 |
| | | Sodium | 5.13 | 2.00 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Solids, Total Dissolved | 344 | 20 | GroundH2O | mg/L | 28-MAR-95 | 03-APR-95 |
| | | Sulfate | 25 | 10 | GroundH2O | mg/L | 28-MAR-95 | 05-APR-95 |
| | | Thallium | < 0.001 | 0.001 | GroundH2O | mg/L | 28-MAR-95 | 14-APR-95 |
| | | Tin | < 0.20 | 0.20 | GroundH2O | mg/L | 28-MAR-95 | 08-APR-95 |
| | | Vanadium | < 0.02 | 0.02 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Zinc | 0.30 | 0.01 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | pH | 7.42 | 0.01 | GroundH2O | S.U. | 28-MAR-95 | 29-MAR-95 |

Chk'd: [illegible] App'd: CAW
Date App'd: 4-20-95

WI Lab Certification ID#: 113138300

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INORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Sample Date | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| L10438-007 | GWB15R | Alkalinity, Total | 739 | 10 | GroundH2O | mg/L | 28-MAR-95 | 04-APR-95 |
| | | Aluminum | < 0.05 | 0.05 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Antimony | 0.002 | 0.002 | GroundH2O | mg/L | 28-MAR-95 | 13-APR-95 |
| | | Arsenic | 0.008 | 0.001 | GroundH2O | mg/L | 28-MAR-95 | 04-APR-95 |
| | | Barium | 0.34 | 0.01 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Beryllium | < 0.0002 | 0.0002 | GroundH2O | mg/L | 28-MAR-95 | 07-APR-95 |
| | | Biochemical Oxygen Demand | 27 | 1 | GroundH2O | mg/L | 28-MAR-95 | 29-MAR-95 |
| | | Boron | 0.30 | 0.10 | GroundH2O | mg/L | 28-MAR-95 | 07-APR-95 |
| | | Cadmium | < 0.0002 | 0.0002 | GroundH2O | mg/L | 28-MAR-95 | 07-APR-95 |
| | | Calcium | 86.5 | 1.00 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Chemical Oxygen Demand | 228 | 20 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Chloride | 252 | 2 | GroundH2O | mg/L | 28-MAR-95 | 03-APR-95 |
| | | Chromium, Total | < 0.01 | 0.01 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Cobalt | 0.02 | 0.01 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Copper | < 0.01 | 0.01 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Cyanide, Total | < 0.005 | 0.005 | GroundH2O | mg/L | 28-MAR-95 | 07-APR-95 |
| | | Fluoride | < 0.10 | 0.10 | GroundH2O | mg/L | 28-MAR-95 | 10-APR-95 |
| | | Iron | 0.50 | 0.02 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Lead | < 0.0015 | 0.0015 | GroundH2O | mg/L | 28-MAR-95 | 12-APR-95 |
| | | Magnesium | 64.9 | 1.00 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Manganese | 1.24 | 0.01 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Mercury | < 0.0002 | 0.0002 | GroundH2O | mg/L | 28-MAR-95 | 04-APR-95 |
| | | Nickel | 0.15 | 0.02 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Nitrogen, Ammonia | 73.2 | 0.10 | GroundH2O | mg/L | 28-MAR-95 | 07-APR-95 |
| | | Nitrogen, Nitrate | < 0.02 | 0.02 | GroundH2O | mg/L | 28-MAR-95 | 07-APR-95 |
| | | Potassium | 43.8 | 0.10 | GroundH2O | mg/L | 28-MAR-95 | 13-APR-95 |
| | | Selenium | < 0.002 | 0.002 | GroundH2O | mg/L | 28-MAR-95 | 05-APR-95 |
| | | Silver | < 0.01 | 0.01 | GroundH2O | mg/L | 28-MAR-95 | 17-APR-95 |
| | | Sodium | 105 | 2.00 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Solids, Total Dissolved | 902 | 20 | GroundH2O | mg/L | 28-MAR-95 | 03-APR-95 |
| | | Sulfate | 44 | 10 | GroundH2O | mg/L | 28-MAR-95 | 05-APR-95 |
| | | Thallium | < 0.001 | 0.001 | GroundH2O | mg/L | 28-MAR-95 | 14-APR-95 |
| | | Tin | < 0.20 | 0.20 | GroundH2O | mg/L | 28-MAR-95 | 08-APR-95 |
| | | Vanadium | < 0.02 | 0.02 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | Zinc | 0.34 | 0.01 | GroundH2O | mg/L | 28-MAR-95 | 06-APR-95 |
| | | pH | 7.02 | 0.01 | GroundH2O | S.U. | 28-MAR-95 | 29-MAR-95 |

Chk'd: [illegible] App'd: CAW
Date App'd: 4.20.95

WI Lab Certification ID#: 113138300

**MONTGOMERY WATSON**
Analytical Testing Services

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INORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Sample Date | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| L10438-008 | GWG117 | Alkalinity, Total | 441 | 10 | GroundH20 | mg/L | 29-MAR-95 | 04-APR-95 |
| | | Aluminum | < 0.05 | 0.05 | GroundH20 | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Antimony | 0.003 | 0.002 | GroundH20 | mg/L | 29-MAR-95 | 13-APR-95 |
| | | Arsenic | < 0.001 | 0.001 | GroundH20 | mg/L | 29-MAR-95 | 04-APR-95 |
| | | Barium | 0.07 | 0.01 | GroundH20 | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Beryllium | < 0.0002 | 0.0002 | GroundH20 | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Biochemical Oxygen Demand | < 1 | 1 | GroundH20 | mg/L | 29-MAR-95 | 30-MAR-95 |
| | | Boron | < 0.10 | 0.10 | GroundH20 | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Cadmium | 0.0002 | 0.0002 | GroundH20 | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Calcium | 142 | 1.00 | GroundH20 | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Chemical Oxygen Demand | 85 | 20 | GroundH20 | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Chloride | 229 | 2 | GroundH20 | mg/L | 29-MAR-95 | 03-APR-95 |
| | | Chromium, Total | < 0.01 | 0.01 | GroundH20 | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Cobalt | < 0.01 | 0.01 | GroundH20 | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Copper | < 0.01 | 0.01 | GroundH20 | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Cyanide, Total | < 0.005 | 0.005 | GroundH20 | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Fluoride | < 0.10 | 0.10 | GroundH20 | mg/L | 29-MAR-95 | 10-APR-95 |
| | | Iron | < 0.02 | 0.02 | GroundH20 | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Lead | < 0.0015 | 0.0015 | GroundH20 | mg/L | 29-MAR-95 | 12-APR-95 |
| | | Magnesium | 71.7 | 1.00 | GroundH20 | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Manganese | 0.01 | 0.01 | GroundH20 | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Mercury | < 0.0002 | 0.0002 | GroundH20 | mg/L | 29-MAR-95 | 04-APR-95 |
| | | Nickel | < 0.02 | 0.02 | GroundH20 | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Nitrogen, Ammonia | < 0.10 | 0.10 | GroundH20 | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Nitrogen, Nitrate | 4.08 | 0.02 | GroundH20 | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Potassium | 2.74 | 0.10 | GroundH20 | mg/L | 29-MAR-95 | 13-APR-95 |
| | | Selenium | < 0.002 | 0.002 | GroundH20 | mg/L | 29-MAR-95 | 05-APR-95 |
| | | Silver | < 0.01 | 0.01 | GroundH20 | mg/L | 29-MAR-95 | 17-APR-95 |
| | | Sodium | 42.8 | 2.00 | GroundH20 | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Solids, Total Dissolved | 836 | 20 | GroundH20 | mg/L | 29-MAR-95 | 03-APR-95 |
| | | Sulfate | 52 | 10 | GroundH20 | mg/L | 29-MAR-95 | 05-APR-95 |
| | | Thallium | < 0.001 | 0.001 | GroundH20 | mg/L | 29-MAR-95 | 14-APR-95 |
| | | Tin | < 0.20 | 0.20 | GroundH20 | mg/L | 29-MAR-95 | 08-APR-95 |
| | | Vanadium | < 0.02 | 0.02 | GroundH20 | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Zinc | 0.04 | 0.01 | GroundH20 | mg/L | 29-MAR-95 | 06-APR-95 |
| | | pH | 7.33 | 0.01 | GroundH20 | S.U. | 29-MAR-95 | 30-MAR-95 |

Chk'd: Kate App'd: CAW
Date App'd: 4-20-95

WI Lab Certification ID#: 113138300

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INORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Sample Date | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| L10438-009 | GWG37S | Alkalinity, Total | 328 | 10 | GroundH2O | mg/L | 29-MAR-95 | 04-APR-95 |
| | | Aluminum | < 0.05 | 0.05 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Antimony | < 0.002 | 0.002 | GroundH2O | mg/L | 29-MAR-95 | 13-APR-95 |
| | | Arsenic | < 0.001 | 0.001 | GroundH2O | mg/L | 29-MAR-95 | 04-APR-95 |
| | | Barium | 0.05 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Beryllium | < 0.0002 | 0.0002 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Biochemical Oxygen Demand | < 3 | 1 | GroundH2O | mg/L | 29-MAR-95 | 30-MAR-95 |
| | | Boron | < 0.10 | 0.10 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Cadmium | < 0.0002 | 0.0002 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Calcium | 81.2 | 1.00 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Chemical Oxygen Demand | 202 | 20 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Chloride | 41 | 2 | GroundH2O | mg/L | 29-MAR-95 | 03-APR-95 |
| | | Chromium, Total | 0.01 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Cobalt | < 0.01 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Copper | < 0.01 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Cyanide, Total | < 0.005 | 0.005 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Fluoride | < 0.10 | 0.10 | GroundH2O | mg/L | 29-MAR-95 | 10-APR-95 |
| | | Iron | < 0.02 | 0.02 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Lead | < 0.0015 | 0.0015 | GroundH2O | mg/L | 29-MAR-95 | 12-APR-95 |
| | | Magnesium | 40.1 | 1.00 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Manganese | 0.25 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Mercury | 0.0002 | 0.0002 | GroundH2O | mg/L | 29-MAR-95 | 04-APR-95 |
| | | Nickel | < 0.02 | 0.02 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Nitrogen, Ammonia | 0.27 | 0.10 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Nitrogen, Nitrate | 1.58 | 0.02 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Potassium | 3.57 | 0.10 | GroundH2O | mg/L | 29-MAR-95 | 13-APR-95 |
| | | Selenium | < 0.002 | 0.002 | GroundH2O | mg/L | 29-MAR-95 | 05-APR-95 |
| | | Silver | < 0.01 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 17-APR-95 |
| | | Sodium | 8.09 | 2.00 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Solids, Total Dissolved | 422 | 20 | GroundH2O | mg/L | 29-MAR-95 | 03-APR-95 |
| | | Sulfate | 25 | 10 | GroundH2O | mg/L | 29-MAR-95 | 05-APR-95 |
| | | Thallium | < 0.001 | 0.001 | GroundH2O | mg/L | 29-MAR-95 | 14-APR-95 |
| | | Tin | < 0.20 | 0.20 | GroundH2O | mg/L | 29-MAR-95 | 08-APR-95 |
| | | Vanadium | < 0.02 | 0.02 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Zinc | < 0.01 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | pH | 7.29 | 0.01 | GroundH2O | S.U. | 29-MAR-95 | 30-MAR-95 |

Chk'd: Kab App'd: CAW
Date App'd: 4.20.95

WI Lab Certification ID#: 113138300

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INORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Sample Date | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| L10438-010 | GWG37D | Alkalinity, Total | 297 | 10 | GroundH2O | mg/L | 29-MAR-95 | 04-APR-95 |
| | | Aluminum | < 0.05 | 0.05 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Antimony | < 0.002 | 0.002 | GroundH2O | mg/L | 29-MAR-95 | 13-APR-95 |
| | | Arsenic | < 0.001 | 0.001 | GroundH2O | mg/L | 29-MAR-95 | 04-APR-95 |
| | | Barium | 0.07 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Beryllium | < 0.0002 | 0.0002 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Biochemical Oxygen Demand | < 3 | 1 | GroundH2O | mg/L | 29-MAR-95 | 30-MAR-95 |
| | | Boron | < 0.10 | 0.10 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Cadmium | < 0.0002 | 0.0002 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Calcium | 69.4 | 1.00 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Chemical Oxygen Demand | 58 | 20 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Chloride | 25 | 2 | GroundH2O | mg/L | 29-MAR-95 | 03-APR-95 |
| | | Chromium, Total | < 0.01 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Cobalt | < 0.01 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Copper | < 0.01 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Cyanide, Total | < 0.005 | 0.005 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Fluoride | 0.10 | 0.10 | GroundH2O | mg/L | 29-MAR-95 | 10-APR-95 |
| | | Iron | < 0.02 | 0.02 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Lead | < 0.0015 | 0.0015 | GroundH2O | mg/L | 29-MAR-95 | 12-APR-95 |
| | | Magnesium | 34.7 | 1.00 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Manganese | 0.28 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Mercury | < 0.0002 | 0.0002 | GroundH2O | mg/L | 29-MAR-95 | 04-APR-95 |
| | | Nickel | < 0.02 | 0.02 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Nitrogen, Ammonia | 6.11 | 0.10 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Nitrogen, Nitrate | 9.98 | 0.02 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Potassium | 5.77 | 0.10 | GroundH2O | mg/L | 29-MAR-95 | 13-APR-95 |
| | | Selenium | < 0.002 | 0.002 | GroundH2O | mg/L | 29-MAR-95 | 05-APR-95 |
| | | Silver | < 0.01 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 17-APR-95 |
| | | Sodium | 8.85 | 2.00 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Solids, Total Dissolved | 396 | 20 | GroundH2O | mg/L | 29-MAR-95 | 03-APR-95 |
| | | Sulfate | 21 | 10 | GroundH2O | mg/L | 29-MAR-95 | 05-APR-95 |
| | | Thallium | < 0.001 | 0.001 | GroundH2O | mg/L | 29-MAR-95 | 14-APR-95 |
| | | Tin | < 0.20 | 0.20 | GroundH2O | mg/L | 29-MAR-95 | 08-APR-95 |
| | | Vanadium | < 0.02 | 0.02 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Zinc | < 0.01 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | pH | 7.34 | 0.01 | GroundH2O | S.U. | 29-MAR-95 | 30-MAR-95 |

Chk'd: Kok App'd: CAW
Date App'd: 4.20.95

WI Lab Certification ID#: 113138300

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INORGANIC REPORT
*WINNEBAGO LANDFILL-PROGRAM 2*
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Sample Date | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| L10438-011 | GWG118R | Alkalinity, Total | 241 | 10 | GroundH2O | mg/L | 29-MAR-95 | 04-APR-95 |
| | | Aluminum | < 0.05 | 0.05 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Antimony | 0.002 | 0.002 | GroundH2O | mg/L | 29-MAR-95 | 13-APR-95 |
| | | Arsenic | < 0.001 | 0.001 | GroundH2O | mg/L | 29-MAR-95 | 04-APR-95 |
| | | Barium | 0.18 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Beryllium | < 0.0002 | 0.0002 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Biochemical Oxygen Demand | < 3 | 1 | GroundH2O | mg/L | 29-MAR-95 | 30-MAR-95 |
| | | Boron | < 0.10 | 0.10 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Cadmium | < 0.0002 | 0.0002 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Calcium | 121 | 1.00 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Chemical Oxygen Demand | 312 | 20 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Chloride | 314 | 2 | GroundH2O | mg/L | 29-MAR-95 | 03-APR-95 |
| | | Chromium, Total | < 0.01 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Cobalt | < 0.01 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Copper | < 0.01 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Cyanide, Total | < 0.005 | 0.005 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Fluoride | < 0.10 | 0.10 | GroundH2O | mg/L | 29-MAR-95 | 10-APR-95 |
| | | Iron | < 0.02 | 0.02 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Lead | < 0.0015 | 0.0015 | GroundH2O | mg/L | 29-MAR-95 | 12-APR-95 |
| | | Magnesium | 43.2 | 1.00 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Manganese | < 0.01 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Mercury | < 0.0002 | 0.0002 | GroundH2O | mg/L | 29-MAR-95 | 04-APR-95 |
| | | Nickel | < 0.02 | 0.02 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Nitrogen, Ammonia | 0.12 | 0.10 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Nitrogen, Nitrate | 4.21 | 0.02 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Potassium | 7.85 | 0.10 | GroundH2O | mg/L | 29-MAR-95 | 13-APR-95 |
| | | Selenium | < 0.002 | 0.002 | GroundH2O | mg/L | 29-MAR-95 | 05-APR-95 |
| | | Silver | < 0.01 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 17-APR-95 |
| | | Sodium | 102 | 2.00 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Solids, Total Dissolved | 790 | 20 | GroundH2O | mg/L | 29-MAR-95 | 03-APR-95 |
| | | Sulfate | 23 | 10 | GroundH2O | mg/L | 29-MAR-95 | 05-APR-95 |
| | | Thallium | < 0.001 | 0.001 | GroundH2O | mg/L | 29-MAR-95 | 14-APR-95 |
| | | Tin | < 0.20 | 0.20 | GroundH2O | mg/L | 29-MAR-95 | 08-APR-95 |
| | | Vanadium | < 0.02 | 0.02 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Zinc | < 0.01 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | pH | 7.03 | 0.01 | GroundH2O | S.U. | 29-MAR-95 | 30-MAR-95 |

Chk'd: App'd: CAW
Date App'd: 4.20.95

WI Lab Certification ID#: 113138300

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INORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Sample Date | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| L10438-012 | GWG119A | Alkalinity, Total | 282 | 10 | GroundH2O | mg/L | 29-MAR-95 | 04-APR-95 |
| | | Aluminum | < 0.05 | 0.05 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Antimony | 0.003 | 0.002 | GroundH2O | mg/L | 29-MAR-95 | 13-APR-95 |
| | | Arsenic | < 0.001 | 0.001 | GroundH2O | mg/L | 29-MAR-95 | 04-APR-95 |
| | | Barium | 0.03 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Beryllium | < 0.0002 | 0.0002 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Biochemical Oxygen Demand | < 1 | 1 | GroundH2O | mg/L | 29-MAR-95 | 30-MAR-95 |
| | | Boron | < 0.10 | 0.10 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Cadmium | 0.0004 | 0.0002 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Calcium | 71.6 | 1.00 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Chemical Oxygen Demand | < 20 | 20 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Chloride | 20 | 2 | GroundH2O | mg/L | 29-MAR-95 | 03-APR-95 |
| | | Chromium, Total | < 0.01 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Cobalt | < 0.01 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Copper | < 0.01 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Cyanide, Total | < 0.005 | 0.005 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Fluoride | 0.10 | 0.10 | GroundH2O | mg/L | 29-MAR-95 | 10-APR-95 |
| | | Iron | < 0.02 | 0.02 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Lead | < 0.0015 | 0.0015 | GroundH2O | mg/L | 29-MAR-95 | 12-APR-95 |
| | | Magnesium | 36.5 | 1.00 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Manganese | < 0.01 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Mercury | < 0.0002 | 0.0002 | GroundH2O | mg/L | 29-MAR-95 | 04-APR-95 |
| | | Nickel | < 0.02 | 0.02 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Nitrogen, Ammonia | < 0.10 | 0.10 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Nitrogen, Nitrate | 6.56 | 0.02 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Potassium | 2.11 | 0.10 | GroundH2O | mg/L | 29-MAR-95 | 13-APR-95 |
| | | Selenium | < 0.002 | 0.002 | GroundH2O | mg/L | 29-MAR-95 | 05-APR-95 |
| | | Silver | < 0.01 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 17-APR-95 |
| | | Sodium | 5.70 | 2.00 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Solids, Total Dissolved | 376 | 20 | GroundH2O | mg/L | 29-MAR-95 | 03-APR-95 |
| | | Sulfate | 23 | 10 | GroundH2O | mg/L | 29-MAR-95 | 05-APR-95 |
| | | Thallium | < 0.001 | 0.001 | GroundH2O | mg/L | 29-MAR-95 | 14-APR-95 |
| | | Tin | < 0.20 | 0.20 | GroundH2O | mg/L | 29-MAR-95 | 08-APR-95 |
| | | Vanadium | < 0.02 | 0.02 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Zinc | < 0.01 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | pH | 7.37 | 0.01 | GroundH2O | S.U. | 29-MAR-95 | 30-MAR-95 |

Chk'd: Kak App'd: CAW
Date App'd: 4-20-95

WI Lab Certification ID#: 113138300

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INORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Sample Date | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| L10438-013 | GWG119 | Alkalinity, Total | 297 | 10 | GroundH20 | mg/L | 29-MAR-95 | 04-APR-95 |
| | | Aluminum | 0.08 | 0.05 | GroundH20 | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Antimony | < 0.002 | 0.002 | GroundH20 | mg/L | 29-MAR-95 | 13-APR-95 |
| | | Arsenic | < 0.001 | 0.001 | GroundH20 | mg/L | 29-MAR-95 | 04-APR-95 |
| | | Barium | 0.02 | 0.01 | GroundH20 | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Beryllium | < 0.0002 | 0.0002 | GroundH20 | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Biochemical Oxygen Demand | < 3 | 1 | GroundH20 | mg/L | 29-MAR-95 | 30-MAR-95 |
| | | Boron | < 0.10 | 0.10 | GroundH20 | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Cadmium | < 0.0002 | 0.0002 | GroundH20 | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Calcium | 71.2 | 1.00 | GroundH20 | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Chemical Oxygen Demand | 51 | 20 | GroundH20 | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Chloride | 10 | 2 | GroundH20 | mg/L | 29-MAR-95 | 03-APR-95 |
| | | Chromium, Total | < 0.01 | 0.01 | GroundH20 | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Cobalt | < 0.01 | 0.01 | GroundH20 | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Copper | < 0.01 | 0.01 | GroundH20 | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Cyanide, Total | < 0.005 | 0.005 | GroundH20 | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Fluoride | 0.10 | 0.10 | GroundH20 | mg/L | 29-MAR-95 | 10-APR-95 |
| | | Iron | 0.09 | 0.02 | GroundH20 | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Lead | < 0.0015 | 0.0015 | GroundH20 | mg/L | 29-MAR-95 | 12-APR-95 |
| | | Magnesium | 35.7 | 1.00 | GroundH20 | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Manganese | < 0.01 | 0.01 | GroundH20 | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Mercury | < 0.0002 | 0.0002 | GroundH20 | mg/L | 29-MAR-95 | 04-APR-95 |
| | | Nickel | < 0.02 | 0.02 | GroundH20 | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Nitrogen, Ammonia | < 0.10 | 0.10 | GroundH20 | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Nitrogen, Nitrate | 0.06 | 0.02 | GroundH20 | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Potassium | 1.12 | 0.10 | GroundH20 | mg/L | 29-MAR-95 | 13-APR-95 |
| | | Selenium | < 0.002 | 0.002 | GroundH20 | mg/L | 29-MAR-95 | 05-APR-95 |
| | | Silver | < 0.01 | 0.01 | GroundH20 | mg/L | 29-MAR-95 | 17-APR-95 |
| | | Sodium | 3.52 | 2.00 | GroundH20 | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Solids, Total Dissolved | 360 | 20 | GroundH20 | mg/L | 29-MAR-95 | 03-APR-95 |
| | | Sulfate | 11 | 10 | GroundH20 | mg/L | 29-MAR-95 | 05-APR-95 |
| | | Thallium | < 0.001 | 0.001 | GroundH20 | mg/L | 29-MAR-95 | 14-APR-95 |
| | | Tin | < 0.20 | 0.20 | GroundH20 | mg/L | 29-MAR-95 | 08-APR-95 |
| | | Vanadium | < 0.02 | 0.02 | GroundH20 | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Zinc | < 0.01 | 0.01 | GroundH20 | mg/L | 29-MAR-95 | 06-APR-95 |
| | | pH | 7.33 | 0.01 | GroundH20 | S.U. | 29-MAR-95 | 30-MAR-95 |

Chk'd: App'd: CAW
Date App'd: 4.20.95

WI Lab Certification ID#: 113138300

**MONTGOMERY WATSON**
Analytical Testing Services

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INORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Sample Date | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| L10438-014 | GWG115 | Alkalinity, Total | 595 | 10 | GroundH2O | mg/L | 29-MAR-95 | 04-APR-95 |
| | | Aluminum | 0.05 | 0.05 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Antimony | < 0.002 | 0.002 | GroundH2O | mg/L | 29-MAR-95 | 13-APR-95 |
| | | Arsenic | 0.037 | 0.001 | GroundH2O | mg/L | 29-MAR-95 | 04-APR-95 |
| | | Barium | 0.36 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Beryllium | < 0.0002 | 0.0002 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Biochemical Oxygen Demand | 16 | 1 | GroundH2O | mg/L | 29-MAR-95 | 30-MAR-95 |
| | | Boron | < 0.10 | 0.10 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Cadmium | < 0.0002 | 0.0002 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Calcium | 156 | 1.00 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Chemical Oxygen Demand | 65 | 20 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Chloride | 110 | 2 | GroundH2O | mg/L | 29-MAR-95 | 03-APR-95 |
| | | Chromium, Total | < 0.01 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Cobalt | 0.01 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Copper | < 0.01 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Cyanide, Total | < 0.005 | 0.005 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Fluoride | < 0.10 | 0.10 | GroundH2O | mg/L | 29-MAR-95 | 10-APR-95 |
| | | Iron | 50.2 | 0.02 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Lead | < 0.0015 | 0.0015 | GroundH2O | mg/L | 29-MAR-95 | 12-APR-95 |
| | | Magnesium | 53.8 | 1.00 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Manganese | 1.21 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Mercury | < 0.0002 | 0.0002 | GroundH2O | mg/L | 29-MAR-95 | 04-APR-95 |
| | | Nickel | 0.03 | 0.02 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Nitrogen, Ammonia | 1.09 | 0.10 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Nitrogen, Nitrate | 12.7 | 0.02 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Potassium | 2.36 | 0.10 | GroundH2O | mg/L | 29-MAR-95 | 13-APR-95 |
| | | Selenium | < 0.002 | 0.002 | GroundH2O | mg/L | 29-MAR-95 | 05-APR-95 |
| | | Silver | < 0.01 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 17-APR-95 |
| | | Sodium | 16.6 | 2.00 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Solids, Total Dissolved | 718 | 20 | GroundH2O | mg/L | 29-MAR-95 | 03-APR-95 |
| | | Sulfate | < 10 | 10 | GroundH2O | mg/L | 29-MAR-95 | 05-APR-95 |
| | | Thallium | < 0.001 | 0.001 | GroundH2O | mg/L | 29-MAR-95 | 14-APR-95 |
| | | Tin | < 0.20 | 0.20 | GroundH2O | mg/L | 29-MAR-95 | 08-APR-95 |
| | | Vanadium | < 0.02 | 0.02 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Zinc | 0.06 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | pH | 6.51 | 0.01 | GroundH2O | S.U. | 29-MAR-95 | 30-MAR-95 |

Chk'd: Kak App'd: GAW
Date App'd: 4-10-95

WI Lab Certification ID#: 113138300

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*INORGANIC REPORT*
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Sample Date | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| L10438-015 | GWG36 | Alkalinity, Total | 268 | 10 | GroundH2O | mg/L | 29-MAR-95 | 04-APR-95 |
| | | Aluminum | < 0.05 | 0.05 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Antimony | < 0.002 | 0.002 | GroundH2O | mg/L | 29-MAR-95 | 13-APR-95 |
| | | Arsenic | < 0.001 | 0.001 | GroundH2O | mg/L | 29-MAR-95 | 04-APR-95 |
| | | Barium | 0.16 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Beryllium | < 0.0002 | 0.0002 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Biochemical Oxygen Demand | < 3 | 1 | GroundH2O | mg/L | 29-MAR-95 | 30-MAR-95 |
| | | Boron | < 0.10 | 0.10 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Cadmium | < 0.0002 | 0.0002 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Calcium | 70.2 | 1.00 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Chemical Oxygen Demand | 61 | 20 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Chloride | 28 | 2 | GroundH2O | mg/L | 29-MAR-95 | 03-APR-95 |
| | | Chromium, Total | < 0.01 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Cobalt | < 0.01 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Copper | < 0.01 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Cyanide, Total | < 0.005 | 0.005 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Fluoride | 0.10 | 0.10 | GroundH2O | mg/L | 29-MAR-95 | 10-APR-95 |
| | | Iron | 0.03 | 0.02 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Lead | < 0.0015 | 0.0015 | GroundH2O | mg/L | 29-MAR-95 | 12-APR-95 |
| | | Magnesium | 39.0 | 1.00 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Manganese | < 0.01 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Mercury | < 0.0002 | 0.0002 | GroundH2O | mg/L | 29-MAR-95 | 04-APR-95 |
| | | Nickel | < 0.02 | 0.02 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Nitrogen, Ammonia | < 0.10 | 0.10 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Nitrogen, Nitrate | 12.7 | 0.02 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Potassium | 0.97 | 0.10 | GroundH2O | mg/L | 29-MAR-95 | 13-APR-95 |
| | | Selenium | < 0.002 | 0.002 | GroundH2O | mg/L | 29-MAR-95 | 05-APR-95 |
| | | Silver | < 0.01 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 17-APR-95 |
| | | Sodium | 6.22 | 2.00 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Solids, Total Dissolved | 402 | 20 | GroundH2O | mg/L | 29-MAR-95 | 03-APR-95 |
| | | Sulfate | 28 | 10 | GroundH2O | mg/L | 29-MAR-95 | 05-APR-95 |
| | | Thallium | < 0.001 | 0.001 | GroundH2O | mg/L | 29-MAR-95 | 14-APR-95 |
| | | Tin | < 0.20 | 0.20 | GroundH2O | mg/L | 29-MAR-95 | 08-APR-95 |
| | | Vanadium | < 0.02 | 0.02 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Zinc | < 0.01 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | pH | 7.32 | 0.01 | GroundH2O | S.U. | 29-MAR-95 | 30-MAR-95 |

Chk'd: Kak App'd: CAW
Date App'd: 4-20-95

WI Lab Certification ID#: 113138300

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INORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Sample Date | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| L10438-016 | GWG130 | Alkalinity, Total | 267 | 10 | GroundH2O | mg/L | 29-MAR-95 | 04-APR-95 |
| | | Aluminum | < 0.05 | 0.05 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Antimony | < 0.002 | 0.002 | GroundH2O | mg/L | 29-MAR-95 | 13-APR-95 |
| | | Arsenic | < 0.001 | 0.001 | GroundH2O | mg/L | 29-MAR-95 | 04-APR-95 |
| | | Barium | 0.09 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Beryllium | < 0.0002 | 0.0002 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Biochemical Oxygen Demand | < 3 | 1 | GroundH2O | mg/L | 29-MAR-95 | 30-MAR-95 |
| | | Boron | < 0.10 | 0.10 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Cadmium | < 0.0002 | 0.0002 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Calcium | 72.3 | 1.00 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Chemical Oxygen Demand | 332 | 20 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Chloride | 29 | 2 | GroundH2O | mg/L | 29-MAR-95 | 03-APR-95 |
| | | Chromium, Total | < 0.01 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Cobalt | < 0.01 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Copper | < 0.01 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Cyanide, Total | < 0.005 | 0.005 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Fluoride | 0.11 | 0.10 | GroundH2O | mg/L | 29-MAR-95 | 10-APR-95 |
| | | Iron | < 0.02 | 0.02 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Lead | < 0.0015 | 0.0015 | GroundH2O | mg/L | 29-MAR-95 | 12-APR-95 |
| | | Magnesium | 39.9 | 1.00 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Manganese | < 0.01 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Mercury | < 0.0002 | 0.0002 | GroundH2O | mg/L | 29-MAR-95 | 04-APR-95 |
| | | Nickel | < 0.02 | 0.02 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Nitrogen, Ammonia | 0.10 | 0.10 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Nitrogen, Nitrate | 12.9 | 0.02 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Potassium | 0.88 | 0.10 | GroundH2O | mg/L | 29-MAR-95 | 13-APR-95 |
| | | Selenium | < 0.002 | 0.002 | GroundH2O | mg/L | 29-MAR-95 | 05-APR-95 |
| | | Silver | < 0.01 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 17-APR-95 |
| | | Sodium | 5.87 | 2.00 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Solids, Total Dissolved | 402 | 20 | GroundH2O | mg/L | 29-MAR-95 | 03-APR-95 |
| | | Sulfate | 29 | 10 | GroundH2O | mg/L | 29-MAR-95 | 05-APR-95 |
| | | Thallium | < 0.001 | 0.001 | GroundH2O | mg/L | 29-MAR-95 | 14-APR-95 |
| | | Tin | < 0.20 | 0.20 | GroundH2O | mg/L | 29-MAR-95 | 08-APR-95 |
| | | Vanadium | < 0.02 | 0.02 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Zinc | < 0.01 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | pH | 7.30 | 0.01 | GroundH2O | S.U. | 29-MAR-95 | 30-MAR-95 |

Chk'd: Kak App'd: CAW
Date App'd: 4.20.95

WI Lab Certification ID#: 113138300

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INORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Sample Date | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| L10438-017 | GWG130A | Alkalinity, Total | 272 | 10 | GroundH2O | mg/L | 29-MAR-95 | 04-APR-95 |
| | | Aluminum | < 0.05 | 0.05 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Antimony | < 0.002 | 0.002 | GroundH2O | mg/L | 29-MAR-95 | 13-APR-95 |
| | | Arsenic | < 0.001 | 0.001 | GroundH2O | mg/L | 29-MAR-95 | 04-APR-95 |
| | | Barium | 0.14 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Beryllium | < 0.0002 | 0.0002 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Biochemical Oxygen Demand | < 1 | 1 | GroundH2O | mg/L | 29-MAR-95 | 30-MAR-95 |
| | | Boron | < 0.10 | 0.10 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Cadmium | 0.0003 | 0.0002 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Calcium | 77.8 | 1.00 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Chemical Oxygen Demand | < 20 | 20 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Chloride | 27 | 2 | GroundH2O | mg/L | 29-MAR-95 | 03-APR-95 |
| | | Chromium, Total | < 0.01 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Cobalt | < 0.01 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Copper | < 0.01 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Cyanide, Total | < 0.005 | 0.005 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Fluoride | 0.12 | 0.10 | GroundH2O | mg/L | 29-MAR-95 | 10-APR-95 |
| | | Iron | < 0.02 | 0.02 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Lead | < 0.0015 | 0.0015 | GroundH2O | mg/L | 29-MAR-95 | 12-APR-95 |
| | | Magnesium | 41.4 | 1.00 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Manganese | < 0.01 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Mercury | < 0.0002 | 0.0002 | GroundH2O | mg/L | 29-MAR-95 | 04-APR-95 |
| | | Nickel | < 0.02 | 0.02 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Nitrogen, Ammonia | < 0.10 | 0.10 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Nitrogen, Nitrate | 12.6 | 0.02 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Potassium | 0.91 | 0.10 | GroundH2O | mg/L | 29-MAR-95 | 13-APR-95 |
| | | Selenium | < 0.002 | 0.002 | GroundH2O | mg/L | 29-MAR-95 | 05-APR-95 |
| | | Silver | < 0.01 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 17-APR-95 |
| | | Sodium | 7.81 | 2.00 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Solids, Total Dissolved | 392 | 20 | GroundH2O | mg/L | 29-MAR-95 | 03-APR-95 |
| | | Sulfate | 29 | 10 | GroundH2O | mg/L | 29-MAR-95 | 05-APR-95 |
| | | Thallium | < 0.001 | 0.001 | GroundH2O | mg/L | 29-MAR-95 | 14-APR-95 |
| | | Tin | < 0.20 | 0.20 | GroundH2O | mg/L | 29-MAR-95 | 08-APR-95 |
| | | Vanadium | < 0.02 | 0.02 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Zinc | < 0.01 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | pH | 7.29 | 0.01 | GroundH2O | S.U. | 29-MAR-95 | 30-MAR-95 |

Chk'd: App'd: CAW
Date App'd: 4.20.95

WI Lab Certification ID#: 113138300

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INORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Sample Date | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| L10438-018 | GWG33S | Alkalinity, Total | 277 | 10 | GroundH2O | mg/L | 29-MAR-95 | 04-APR-95 |
| | | Aluminum | 1.05 | 0.05 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Antimony | < 0.002 | 0.002 | GroundH2O | mg/L | 29-MAR-95 | 13-APR-95 |
| | | Arsenic | < 0.001 | 0.001 | GroundH2O | mg/L | 29-MAR-95 | 04-APR-95 |
| | | Barium | 0.08 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Beryllium | < 0.0002 | 0.0002 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Biochemical Oxygen Demand | < 3 | 1 | GroundH2O | mg/L | 29-MAR-95 | 30-MAR-95 |
| | | Boron | < 0.10 | 0.10 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Cadmium | < 0.0002 | 0.0002 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-[illegible] |
| | | Calcium | 78.0 | 1.00 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Chemical Oxygen Demand | 232 | 20 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Chloride | 15 | 2 | GroundH2O | mg/L | 29-MAR-95 | 03-APR-95 |
| | | Chromium, Total | < 0.01 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Cobalt | < 0.01 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Copper | < 0.01 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Cyanide, Total | < 0.005 | 0.005 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Fluoride | 0.12 | 0.10 | GroundH2O | mg/L | 29-MAR-95 | 10-APR-95 |
| | | Iron | 1.06 | 0.02 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Lead | < 0.0015 | 0.0015 | GroundH2O | mg/L | 29-MAR-95 | 12-APR-95 |
| | | Magnesium | 38.3 | 1.00 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Manganese | 0.06 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Mercury | < 0.0002 | 0.0002 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Nickel | < 0.02 | 0.02 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Nitrogen, Ammonia | < 0.10 | 0.10 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Nitrogen, Nitrate | 9.07 | 0.02 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Potassium | 1.68 | 0.10 | GroundH2O | mg/L | 29-MAR-95 | 13-APR-95 |
| | | Selenium | < 0.002 | 0.002 | GroundH2O | mg/L | 29-MAR-95 | 05-APR-95 |
| | | Silver | < 0.01 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 17-APR-95 |
| | | Sodium | 3.78 | 2.00 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Solids, Total Dissolved | 382 | 20 | GroundH2O | mg/L | 29-MAR-95 | 03-APR-95 |
| | | Sulfate | 32 | 10 | GroundH2O | mg/L | 29-MAR-95 | 05-APR-95 |
| | | Thallium | < 0.001 | 0.001 | GroundH2O | mg/L | 29-MAR-95 | 14-APR-95 |
| | | Tin | < 0.20 | 0.20 | GroundH2O | mg/L | 29-MAR-95 | 08-APR-95 |
| | | Vanadium | < 0.02 | 0.02 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Zinc | < 0.01 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | pH | 7.41 | 0.01 | GroundH2O | S.U. | 29-MAR-95 | 30-MAR-95 |

Chk'd: [illegible] App'd: [illegible]
Date App'd: 4.10.95

WI Lab Certification ID#: 113138300

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INORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Sample Date | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| L10438-019 | GWG33D | Alkalinity, Total | 282 | 10 | GroundH2O | mg/L | 29-MAR-95 | 04-APR-95 |
| | | Aluminum | < 0.05 | 0.05 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Antimony | < 0.002 | 0.002 | GroundH2O | mg/L | 29-MAR-95 | 13-APR-95 |
| | | Arsenic | < 0.001 | 0.001 | GroundH2O | mg/L | 29-MAR-95 | 04-APR-95 |
| | | Barium | 0.08 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Beryllium | < 0.0002 | 0.0002 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Biochemical Oxygen Demand | < 1 | 1 | GroundH2O | mg/L | 29-MAR-95 | 30-MAR-95 |
| | | Boron | < 0.10 | 0.10 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Cadmium | < 0.0002 | 0.0002 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Calcium | 67.7 | 1.00 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Chemical Oxygen Demand | < 20 | 20 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Chloride | 21 | 2 | GroundH2O | mg/L | 29-MAR-95 | 03-APR-95 |
| | | Chromium, Total | < 0.01 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Cobalt | < 0.01 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Copper | < 0.01 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Cyanide, Total | < 0.005 | 0.005 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Fluoride | 0.15 | 0.10 | GroundH2O | mg/L | 29-MAR-95 | 10-APR-95 |
| | | Iron | < 0.02 | 0.02 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Lead | < 0.0015 | 0.0015 | GroundH2O | mg/L | 29-MAR-95 | 12-APR-95 |
| | | Magnesium | 38.4 | 1.00 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Manganese | 0.02 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Mercury | < 0.0002 | 0.0002 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Nickel | < 0.02 | 0.02 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Nitrogen, Ammonia | < 0.10 | 0.10 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Nitrogen, Nitrate | 12.0 | 0.02 | GroundH2O | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Potassium | 1.29 | 0.10 | GroundH2O | mg/L | 29-MAR-95 | 13-APR-95 |
| | | Selenium | < 0.002 | 0.002 | GroundH2O | mg/L | 29-MAR-95 | 05-APR-95 |
| | | Silver | < 0.01 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 17-APR-95 |
| | | Sodium | 5.76 | 2.00 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Solids, Total Dissolved | 388 | 20 | GroundH2O | mg/L | 29-MAR-95 | 03-APR-95 |
| | | Sulfate | 30 | 10 | GroundH2O | mg/L | 29-MAR-95 | 05-APR-95 |
| | | Thallium | < 0.001 | 0.001 | GroundH2O | mg/L | 29-MAR-95 | 14-APR-95 |
| | | Tin | < 0.20 | 0.20 | GroundH2O | mg/L | 29-MAR-95 | 08-APR-95 |
| | | Vanadium | < 0.02 | 0.02 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Zinc | < 0.01 | 0.01 | GroundH2O | mg/L | 29-MAR-95 | 06-APR-95 |
| | | pH | 7.40 | 0.01 | GroundH2O | S.U. | 29-MAR-95 | 30-MAR-95 |

Chk'd: [illegible] App'd: [illegible]
Date App'd: 4-20-95

WI Lab Certification ID#: 113138300

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INORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Sample Date | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| L10438-020 | GWG118A | Alkalinity, Total | 277 | 10 | GroundH20 | mg/L | 29-MAR-95 | 04-APR-95 |
| | | Aluminum | < 0.05 | 0.05 | GroundH20 | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Antimony | < 0.002 | 0.002 | GroundH20 | mg/L | 29-MAR-95 | 13-APR-95 |
| | | Arsenic | < 0.001 | 0.001 | GroundH20 | mg/L | 29-MAR-95 | 04-APR-95 |
| | | Barium | 0.05 | 0.01 | GroundH20 | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Beryllium | < 0.0002 | 0.0002 | GroundH20 | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Biochemical Oxygen Demand | < 1 | 1 | GroundH20 | mg/L | 29-MAR-95 | 30-MAR-95 |
| | | Boron | < 0.10 | 0.10 | GroundH20 | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Cadmium | 0.0004 | 0.0002 | GroundH20 | mg/L | 29-MAR-95 | 07-APR-[illegible] |
| | | Calcium | 89.2 | 1.00 | GroundH20 | mg/L | 29-MAR-95 | 13-APR-95 |
| | | Chemical Oxygen Demand | < 20 | 20 | GroundH20 | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Chloride | 22 | 2 | GroundH20 | mg/L | 29-MAR-95 | 03-APR-95 |
| | | Chromium, Total | < 0.01 | 0.01 | GroundH20 | mg/L | 29-MAR-95 | 13-APR-95 |
| | | Cobalt | < 0.01 | 0.01 | GroundH20 | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Copper | < 0.01 | 0.01 | GroundH20 | mg/L | 29-MAR-95 | 13-APR-95 |
| | | Cyanide, Total | < 0.005 | 0.005 | GroundH20 | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Fluoride | < 0.10 | 0.10 | GroundH20 | mg/L | 29-MAR-95 | 10-APR-95 |
| | | Iron | < 0.02 | 0.02 | GroundH20 | mg/L | 29-MAR-95 | 17-APR-95 |
| | | Lead | < 0.0015 | 0.0015 | GroundH20 | mg/L | 29-MAR-95 | 12-APR-95 |
| | | Magnesium | 47.1 | 1.00 | GroundH20 | mg/L | 29-MAR-95 | 13-APR-95 |
| | | Manganese | < 0.01 | 0.01 | GroundH20 | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Mercury | < 0.0002 | 0.0002 | GroundH20 | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Nickel | < 0.02 | 0.02 | GroundH20 | mg/L | 29-MAR-95 | 06-APR-95 |
| | | Nitrogen, Ammonia | < 0.10 | 0.10 | GroundH20 | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Nitrogen, Nitrate | 11.8 | 0.02 | GroundH20 | mg/L | 29-MAR-95 | 07-APR-95 |
| | | Potassium | 2.55 | 0.10 | GroundH20 | mg/L | 29-MAR-95 | 13-APR-[illegible] |
| | | Selenium | < 0.002 | 0.002 | GroundH20 | mg/L | 29-MAR-95 | 05-APR-95 |
| | | Silver | < 0.01 | 0.01 | GroundH20 | mg/L | 29-MAR-95 | 17-APR-95 |
| | | Sodium | 8.62 | 2.00 | GroundH20 | mg/L | 29-MAR-95 | 13-APR-95 |
| | | Solids, Total Dissolved | 386 | 20 | GroundH20 | mg/L | 29-MAR-95 | 03-APR-95 |
| | | Sulfate | 19 | 10 | GroundH20 | mg/L | 29-MAR-95 | 05-APR-95 |
| | | Thallium | < 0.001 | 0.001 | GroundH20 | mg/L | 29-MAR-95 | 14-APR-95 |
| | | Tin | < 0.20 | 0.20 | GroundH20 | mg/L | 29-MAR-95 | 14-APR-95 |
| | | Vanadium | < 0.02 | 0.02 | GroundH20 | mg/L | 29-MAR-95 | 13-APR-95 |
| | | Zinc | < 0.01 | 0.01 | GroundH20 | mg/L | 29-MAR-95 | 06-APR-95 |
| | | pH | 7.29 | 0.01 | GroundH20 | S.U. | 29-MAR-95 | 30-MAR-95 |

Chk'd: [illegible] App'd: CAW
Date App'd: 4.20.95

WI Lab Certification ID#: 113138300

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INORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

Footnotes
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| Sample # | Test | Footnote |
|---|---|---|
| L10438-002 | Cyanide, Total | A4 |
| L10438-003 | Biochemical Oxygen Demand | A2 |
| 10438-009 | Biochemical Oxygen Demand | A2 |
| L10438-010 | Biochemical Oxygen Demand | A2 |
| L10438-011 | Biochemical Oxygen Demand | A2 |
| L10438-013 | Biochemical Oxygen Demand | A2 |
| L10438-015 | Biochemical Oxygen Demand | A2 |
| L10438-016 | Biochemical Oxygen Demand | A2 |
| L10438-018 | Biochemical Oxygen Demand | A2 |

Chk'd: Kak App'd: CHD
Date App'd: 4.20.95

WI Lab Certification ID#: 113138300

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INORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|---|
| L10438-001 | GWP1 | Carbon, Total Organic | | 24 | 0.25 | GroundH2O | mg/L | |
| | | Sample Date: | 28-MAR-95 | | | | | |
| | | Analysis Date: | 04-APR-95 | | | | | |
| L10438-002 | GWMW106 | Carbon, Total Organic | | 86 | 0.25 | GroundH2O | mg/L | |
| | | Sample Date: | 28-MAR-95 | | | | | |
| | | Analysis Date: | 04-APR-95 | | | | | |
| L10438-003 | GWG35S | Carbon, Total Organic | | 2.3 | 0.25 | GroundH2O | mg/L | |
| | | Sample Date: | 28-MAR-95 | | | | | |
| | | Analysis Date: | 04-APR-95 | | | | | |
| L10438-004 | GWG35D | Carbon, Total Organic | | 36 | 0.25 | GroundH2O | mg/L | |
| | | Sample Date: | 28-MAR-95 | | | | | |
| | | Analysis Date: | 04-APR-95 | | | | | |
| L10438-005 | GWG132 | Carbon, Total Organic | | 0.35 | 0.25 | GroundH2O | mg/L | |
| | | Sample Date: | 28-MAR-95 | | | | | |
| | | Analysis Date: | 04-APR-95 | | | | | |
| L10438-006 | GWB15P | Carbon, Total Organic | | 0.68 | 0.25 | GroundH2O | mg/L | |
| | | Sample Date: | 28-MAR-95 | | | | | |
| | | Analysis Date: | 04-APR-95 | | | | | |
| L10438-007 | GWB15R | Carbon, Total Organic | | 15 | 0.25 | GroundH2O | mg/L | |
| | | Sample Date: | 28-MAR-95 | | | | | |
| | | Analysis Date: | 04-APR-95 | | | | | |

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Date App'd: 4.21.95

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INORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|---|
| L10438-008 | GWG117 | Carbon, Total Organic | | 2.6 | 0.25 | GroundH2O | mg/L | |
| | | Sample Date: | 29-MAR-95 | | | | | |
| | | Analysis Date: | 04-APR-95 | | | | | |
| L10438-009 | GWG37S | Carbon, Total Organic | | 2.1 | 0.25 | GroundH2O | mg/L | |
| | | Sample Date: | 29-MAR-95 | | | | | |
| | | Analysis Date: | 04-APR-95 | | | | | |
| L10438-010 | GWG37D | Carbon, Total Organic | | 0.87 | 0.25 | GroundH2O | mg/L | |
| | | Sample Date: | 29-MAR-95 | | | | | |
| | | Analysis Date: | 04-APR-95 | | | | | |
| L10438-011 | GWG118R | Carbon, Total Organic | | 2.9 | 0.25 | GroundH2O | mg/L | |
| | | Sample Date: | 29-MAR-95 | | | | | |
| | | Analysis Date: | 04-APR-95 | | | | | |
| L10438-012 | GWG119A | Carbon, Total Organic | | 0.33 | 0.25 | GroundH2O | mg/L | |
| | | Sample Date: | 29-MAR-95 | | | | | |
| | | Analysis Date: | 04-APR-95 | | | | | |
| L10438-013 | GWG119 | Carbon, Total Organic | | 0.43 | 0.25 | GroundH2O | mg/L | |
| | | Sample Date: | 29-MAR-95 | | | | | |
| | | Analysis Date: | 04-APR-95 | | | | | |
| L10438-014 | GWG115 | Carbon, Total Organic | | 9.3 | 0.25 | GroundH2O | mg/L | |
| | | Sample Date: | 29-MAR-95 | | | | | |
| | | Analysis Date: | 04-APR-95 | | | | | |

Chk'd: [illegible] App'd: CAW
Date App'd: 4.21.95

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INORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|---|
| L10438-015 | GWG36 | Carbon, Total Organic | | 0.4 | 0.25 | GroundH2O | mg/L | |
| | | Sample Date: | 29-MAR-95 | | | | | |
| | | Analysis Date: | 04-APR-95 | | | | | |
| L10438-016 | GWG130 | Carbon, Total Organic | | 1.2 | 0.25 | GroundH2O | mg/L | |
| | | Sample Date: | 29-MAR-95 | | | | | |
| | | Analysis Date: | 04-APR-95 | | | | | |
| L10438-017 | GWG130A | Carbon, Total Organic | | 0.35 | 0.25 | GroundH2O | mg/L | |
| | | Sample Date: | 29-MAR-95 | | | | | |
| | | Analysis Date: | 04-APR-95 | | | | | |
| L10438-018 | GWG33S | Carbon, Total Organic | | 1.4 | 0.25 | GroundH2O | mg/L | |
| | | Sample Date: | 29-MAR-95 | | | | | |
| | | Analysis Date: | 04-APR-95 | | | | | |
| L10438-019 | GWG33D | Carbon, Total Organic | | < 0.25 | 0.25 | GroundH2O | mg/L | |
| | | Sample Date: | 29-MAR-95 | | | | | |
| | | Analysis Date: | 04-APR-95 | | | | | |
| L10438-020 | GWG118A | Carbon, Total Organic | | 0.48 | 0.25 | GroundH2O | mg/L | |
| | | Sample Date: | 29-MAR-95 | | | | | |
| | | Analysis Date: | 04-APR-95 | | | | | |

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Date App'd: 4.21.95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-008 | GWG117 | Acetone | < 10 | 10 | GroundH2O | ug/L | |
| | | Benzene | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromochloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromodichloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromoform | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromomethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Butanone | < 10 | 10 | GroundH2O | ug/L | |
| | | Carbon Disulfide | < 10 | 10 | GroundH2O | ug/L | |
| | | Carbon tetrachloride | < 10 | 10 | GroundH2O | ug/L | |
| | | Chlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | Chlorodibromomethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloroform | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dibromo-3-chloropropane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dichlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,3-Dichlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,4-Dichlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1-Dichloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dichloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | total-1,2-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | cis-1,2-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | trans-1,2-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dichloropropane | < 10 | 10 | GroundH2O | ug/L | |
| | | cis-1,3-Dichloropropene | < 10 | 10 | GroundH2O | ug/L | |
| | | trans-1,3-Dichloropropene | < 10 | 10 | GroundH2O | ug/L | |
| | | Ethylbenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dibromoethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Hexanone | < 10 | 10 | GroundH2O | ug/L | |
| | | 4-Methyl-2-Pentanone (MIBK) | < 10 | 10 | GroundH2O | ug/L | |
| | | Methylene chloride | < 10 | 10 | GroundH2O | ug/L | |
| | | Styrene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,2,2-Tetrachloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Tetrachloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | Toluene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,1-Trichloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,2-Trichloroethane | < 10 | 10 | GroundH2O | ug/L | |

Chk'd: [illegible] App'd: [illegible]
Date App'd: 4.21.95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-008 | GWG117 | Trichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | Vinyl chloride | < 10 | 10 | GroundH2O | ug/L | |
| | | Xylenes, Total | < 10 | 10 | GroundH2O | ug/L | |

Sample Date: 29-MAR-95
Analysis Date: 11-APR-95

Chk'd: App'd: CAW
Date App'd: 4-21-95

**MONTGOMERY WATSON**
Analytical Testing Services

University Research Park
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Madison, Wisconsin 53711
Tel: 608 231 4747 • Fax: 608 231 4777

VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-009 | GWG37S | Acetone | < 10 | 10 | GroundH2O | ug/L | |
| | | Benzene | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromochloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromodichloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromoform | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromomethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Butanone | < 10 | 10 | GroundH2O | ug/L | |
| | | Carbon Disulfide | < 10 | 10 | GroundH2O | ug/L | |
| | | Carbon tetrachloride | < 10 | 10 | GroundH2O | ug/L | |
| | | Chlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | Chlorodibromomethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloroform | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dibromo-3-chloropropane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dichlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,3-Dichlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,4-Dichlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1-Dichloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dichloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | total-1,2-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | cis-1,2-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | trans-1,2-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dichloropropane | < 10 | 10 | GroundH2O | ug/L | |
| | | cis-1,3-Dichloropropene | < 10 | 10 | GroundH2O | ug/L | |
| | | trans-1,3-Dichloropropene | < 10 | 10 | GroundH2O | ug/L | |
| | | Ethylbenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dibromoethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Hexanone | < 10 | 10 | GroundH2O | ug/L | |
| | | 4-Methyl-2-Pentanone (MIBK) | < 10 | 10 | GroundH2O | ug/L | |
| | | Methylene chloride | < 10 | 10 | GroundH2O | ug/L | |
| | | Styrene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,2,2-Tetrachloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Tetrachloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | Toluene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,1-Trichloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,2-Trichloroethane | < 10 | 10 | GroundH2O | ug/L | |

Chk'd: K.K. App'd: CAW
Date App'd: 4.21.95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-009 | GWG37S | Trichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | Vinyl chloride | < 10 | 10 | GroundH2O | ug/L | |
| | | Xylenes, Total | < 10 | 10 | GroundH2O | ug/L | |

Sample Date: 29-MAR-95
Analysis Date: 11-APR-95

Chk'd: App'd: CAW
Date App'd: 4.21.95

MONTGOMERY WATSON
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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-010 | GWG37D | Acetone | 12 | 10 | GroundH2O | ug/L | |
| | | Benzene | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromochloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromodichloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromoform | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromomethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Butanone | < 10 | 10 | GroundH2O | ug/L | |
| | | Carbon Disulfide | < 10 | 10 | GroundH2O | ug/L | |
| | | Carbon tetrachloride | < 10 | 10 | GroundH2O | ug/L | |
| | | Chlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | Chlorodibromomethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloroform | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dibromo-3-chloropropane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dichlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,3-Dichlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,4-Dichlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1-Dichloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dichloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | total-1,2-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | cis-1,2-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | trans-1,2-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dichloropropane | < 10 | 10 | GroundH2O | ug/L | |
| | | cis-1,3-Dichloropropene | < 10 | 10 | GroundH2O | ug/L | |
| | | trans-1,3-Dichloropropene | < 10 | 10 | GroundH2O | ug/L | |
| | | Ethylbenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dibromoethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Hexanone | < 10 | 10 | GroundH2O | ug/L | |
| | | 4-Methyl-2-Pentanone (MIBK) | < 10 | 10 | GroundH2O | ug/L | |
| | | Methylene chloride | < 10 | 10 | GroundH2O | ug/L | |
| | | Styrene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,2,2-Tetrachloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Tetrachloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | Toluene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,1-Trichloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,2-Trichloroethane | < 10 | 10 | GroundH2O | ug/L | |

Chk'd: Kate App'd: CMW
Date App'd: 4.21.95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-010 | GWG37D | Trichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | Vinyl chloride | < 10 | 10 | GroundH2O | ug/L | |
| | | Xylenes, Total | < 10 | 10 | GroundH2O | ug/L | |

Sample Date: 29-MAR-95
Analysis Date: 11-APR-95

Chk'd: App'd:
Date App'd: 4.21.95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-011 | GWG118R | Acetone | 12 | 10 | GroundH2O | ug/L | |
| | | Benzene | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromochloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromodichloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromoform | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromomethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Butanone | < 10 | 10 | GroundH2O | ug/L | |
| | | Carbon Disulfide | < 10 | 10 | GroundH2O | ug/L | |
| | | Carbon tetrachloride | < 10 | 10 | GroundH2O | ug/L | |
| | | Chlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | Chlorodibromomethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloroform | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dibromo-3-chloropropane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dichlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,3-Dichlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,4-Dichlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1-Dichloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dichloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | total-1,2-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | cis-1,2-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | trans-1,2-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dichloropropane | < 10 | 10 | GroundH2O | ug/L | |
| | | cis-1,3-Dichloropropene | < 10 | 10 | GroundH2O | ug/L | |
| | | trans-1,3-Dichloropropene | < 10 | 10 | GroundH2O | ug/L | |
| | | Ethylbenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dibromoethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Hexanone | < 10 | 10 | GroundH2O | ug/L | |
| | | 4-Methyl-2-Pentanone (MIBK) | < 10 | 10 | GroundH2O | ug/L | |
| | | Methylene chloride | < 10 | 10 | GroundH2O | ug/L | |
| | | Styrene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,2,2-Tetrachloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Tetrachloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | Toluene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,1-Trichloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,2-Trichloroethane | < 10 | 10 | GroundH2O | ug/L | |

Chk'd: App'd: GAW
Date App'd: 4-21-95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-011 | GWG118R | Trichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | Vinyl chloride | < 10 | 10 | GroundH2O | ug/L | |
| | | Xylenes, Total | < 10 | 10 | GroundH2O | ug/L | |

Sample Date: 29-MAR-95
Analysis Date: 11-APR-95

Chk'd: K App'd: CAW
Date App'd: 4-29-95

**MONTGOMERY WATSON**
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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-012 | GWG119A | Acetone | 13 | 10 | GroundH2O | ug/L | |
| | | Benzene | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromochloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromodichloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromoform | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromomethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Butanone | < 10 | 10 | GroundH2O | ug/L | |
| | | Carbon Disulfide | < 10 | 10 | GroundH2O | ug/L | |
| | | Carbon tetrachloride | < 10 | 10 | GroundH2O | ug/L | |
| | | Chlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | Chlorodibromomethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloroform | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dibromo-3-chloropropane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dichlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,3-Dichlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,4-Dichlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1-Dichloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dichloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | total-1,2-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | cis-1,2-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | trans-1,2-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dichloropropane | < 10 | 10 | GroundH2O | ug/L | |
| | | cis-1,3-Dichloropropene | < 10 | 10 | GroundH2O | ug/L | |
| | | trans-1,3-Dichloropropene | < 10 | 10 | GroundH2O | ug/L | |
| | | Ethylbenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dibromoethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Hexanone | < 10 | 10 | GroundH2O | ug/L | |
| | | 4-Methyl-2-Pentanone (MIBK) | < 10 | 10 | GroundH2O | ug/L | |
| | | Methylene chloride | < 10 | 10 | GroundH2O | ug/L | |
| | | Styrene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,2,2-Tetrachloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Tetrachloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | Toluene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,1-Trichloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,2-Trichloroethane | < 10 | 10 | GroundH2O | ug/L | |

Chk'd: App'd:
Date App'd: 4-21-95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-012 | GWG119A | Trichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | Vinyl chloride | < 10 | 10 | GroundH2O | ug/L | |
| | | Xylenes, Total | < 10 | 10 | GroundH2O | ug/L | |

Sample Date: 29-MAR-95
Analysis Date: 11-APR-95

Chk'd: Kate App'd: CAW
Date App'd: 4.21.95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-013 | GWG119 | Acetone | 11 | 10 | GroundH2O | ug/L | |
| | | Benzene | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromochloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromodichloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromoform | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromomethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Butanone | < 10 | 10 | GroundH2O | ug/L | |
| | | Carbon Disulfide | < 10 | 10 | GroundH2O | ug/L | |
| | | Carbon tetrachloride | < 10 | 10 | GroundH2O | ug/L | |
| | | Chlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | Chlorodibromomethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloroform | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dibromo-3-chloropropane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dichlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,3-Dichlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,4-Dichlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1-Dichloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dichloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | total-1,2-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | cis-1,2-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | trans-1,2-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dichloropropane | < 10 | 10 | GroundH2O | ug/L | |
| | | cis-1,3-Dichloropropene | < 10 | 10 | GroundH2O | ug/L | |
| | | trans-1,3-Dichloropropene | < 10 | 10 | GroundH2O | ug/L | |
| | | Ethylbenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dibromoethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Hexanone | < 10 | 10 | GroundH2O | ug/L | |
| | | 4-Methyl-2-Pentanone (MIBK) | < 10 | 10 | GroundH2O | ug/L | |
| | | Methylene chloride | < 10 | 10 | GroundH2O | ug/L | |
| | | Styrene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,2,2-Tetrachloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Tetrachloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | Toluene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,1-Trichloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,2-Trichloroethane | < 10 | 10 | GroundH2O | ug/L | |

Chk'd: [illegible] App'd: CAW
Date App'd: 4.21.95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-013 | GWG119 | Trichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | Vinyl chloride | < 10 | 10 | GroundH2O | ug/L | |
| | | Xylenes, Total | < 10 | 10 | GroundH2O | ug/L | |

Sample Date: 29-MAR-95
Analysis Date: 11-APR-95

Chk'd: Kalc. App'd: CHW
Date App'd: 4.21.95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-014 | GWG115 | Acetone | < 10 | 10 | GroundH2O | ug/L | |
| | | Benzene | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromochloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromodichloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromoform | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromomethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Butanone | < 10 | 10 | GroundH2O | ug/L | |
| | | Carbon Disulfide | < 10 | 10 | GroundH2O | ug/L | |
| | | Carbon tetrachloride | < 10 | 10 | GroundH2O | ug/L | |
| | | Chlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | Chlorodibromomethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloroform | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dibromo-3-chloropropane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dichlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,3-Dichlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,4-Dichlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1-Dichloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dichloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | total-1,2-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | cis-1,2-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | trans-1,2-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dichloropropane | < 10 | 10 | GroundH2O | ug/L | |
| | | cis-1,3-Dichloropropene | < 10 | 10 | GroundH2O | ug/L | |
| | | trans-1,3-Dichloropropene | < 10 | 10 | GroundH2O | ug/L | |
| | | Ethylbenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dibromoethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Hexanone | < 10 | 10 | GroundH2O | ug/L | |
| | | 4-Methyl-2-Pentanone (MIBK) | < 10 | 10 | GroundH2O | ug/L | |
| | | Methylene chloride | < 10 | 10 | GroundH2O | ug/L | |
| | | Styrene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,2,2-Tetrachloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Tetrachloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | Toluene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,1-Trichloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,2-Trichloroethane | < 10 | 10 | GroundH2O | ug/L | |

Chk'd: Kk App'd: GAW
Date App'd: 4.21.95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-014 | GWG115 | Trichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | Vinyl chloride | < 10 | 10 | GroundH2O | ug/L | |
| | | Xylenes, Total | < 10 | 10 | GroundH2O | ug/L | |

Sample Date: 29-MAR-95
Analysis Date: 11-APR-95

Chk'd: App'd: CAW
Date App'd: 4.21.95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-015 | GWG36 | Acetone | 17 | 10 | GroundH2O | ug/L | |
| | | Benzene | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromochloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromodichloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromoform | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromomethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Butanone | < 10 | 10 | GroundH2O | ug/L | |
| | | Carbon Disulfide | < 10 | 10 | GroundH2O | ug/L | |
| | | Carbon tetrachloride | < 10 | 10 | GroundH2O | ug/L | |
| | | Chlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | Chlorodibromomethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloroform | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dibromo-3-chloropropane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dichlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,3-Dichlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,4-Dichlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1-Dichloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dichloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | total-1,2-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | cis-1,2-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | trans-1,2-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dichloropropane | < 10 | 10 | GroundH2O | ug/L | |
| | | cis-1,3-Dichloropropene | < 10 | 10 | GroundH2O | ug/L | |
| | | trans-1,3-Dichloropropene | < 10 | 10 | GroundH2O | ug/L | |
| | | Ethylbenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dibromoethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Hexanone | < 10 | 10 | GroundH2O | ug/L | |
| | | 4-Methyl-2-Pentanone (MIBK) | < 10 | 10 | GroundH2O | ug/L | |
| | | Methylene chloride | < 10 | 10 | GroundH2O | ug/L | |
| | | Styrene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,2,2-Tetrachloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Tetrachloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | Toluene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,1-Trichloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,2-Trichloroethane | < 10 | 10 | GroundH2O | ug/L | |

Chk'd: Kek App'd: LAW
Date App'd: 4-21-95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-015 | GWG36 | Trichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | Vinyl chloride | < 10 | 10 | GroundH2O | ug/L | |
| | | Xylenes, Total | < 10 | 10 | GroundH2O | ug/L | |

Sample Date: 29-MAR-95
Analysis Date: 06-APR-95

Chk'd: Kate App'd: cdw
Date App'd: 4.21.95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-016 | GWG130 | Acetone | < 10 | 10 | GroundH2O | ug/L | |
| | | Benzene | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromochloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromodichloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromoform | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromomethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Butanone | < 10 | 10 | GroundH2O | ug/L | |
| | | Carbon Disulfide | < 10 | 10 | GroundH2O | ug/L | |
| | | Carbon tetrachloride | < 10 | 10 | GroundH2O | ug/L | |
| | | Chlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | Chlorodibromomethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloroform | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dibromo-3-chloropropane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dichlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,3-Dichlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,4-Dichlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1-Dichloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dichloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | total-1,2-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | cis-1,2-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | trans-1,2-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dichloropropane | < 10 | 10 | GroundH2O | ug/L | |
| | | cis-1,3-Dichloropropene | < 10 | 10 | GroundH2O | ug/L | |
| | | trans-1,3-Dichloropropene | < 10 | 10 | GroundH2O | ug/L | |
| | | Ethylbenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dibromoethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Hexanone | < 10 | 10 | GroundH2O | ug/L | |
| | | 4-Methyl-2-Pentanone (MIBK) | < 10 | 10 | GroundH2O | ug/L | |
| | | Methylene chloride | < 10 | 10 | GroundH2O | ug/L | |
| | | Styrene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,2,2-Tetrachloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Tetrachloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | Toluene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,1-Trichloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,2-Trichloroethane | < 10 | 10 | GroundH2O | ug/L | |

Chk'd: KCB App'd: CAW
Date App'd: 4.21.95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-016 | GWG130 | Trichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | Vinyl chloride | < 10 | 10 | GroundH2O | ug/L | |
| | | Xylenes, Total | < 10 | 10 | GroundH2O | ug/L | |

Sample Date: 29-MAR-95
Analysis Date: 11-APR-95

Chk'd: [illegible] App'd: [illegible]
Date App'd: 4.21.95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-017 | GWG130A | Acetone | 10 | 10 | GroundH2O | ug/L | |
| | | Benzene | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromochloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromodichloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromoform | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromomethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Butanone | < 10 | 10 | GroundH2O | ug/L | |
| | | Carbon Disulfide | < 10 | 10 | GroundH2O | ug/L | |
| | | Carbon tetrachloride | < 10 | 10 | GroundH2O | ug/L | |
| | | Chlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | Chlorodibromomethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloroform | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dibromo-3-chloropropane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dichlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,3-Dichlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,4-Dichlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1-Dichloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dichloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | total-1,2-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | cis-1,2-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | trans-1,2-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dichloropropane | < 10 | 10 | GroundH2O | ug/L | |
| | | cis-1,3-Dichloropropene | < 10 | 10 | GroundH2O | ug/L | |
| | | trans-1,3-Dichloropropene | < 10 | 10 | GroundH2O | ug/L | |
| | | Ethylbenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dibromoethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Hexanone | < 10 | 10 | GroundH2O | ug/L | |
| | | 4-Methyl-2-Pentanone (MIBK) | < 10 | 10 | GroundH2O | ug/L | |
| | | Methylene chloride | < 10 | 10 | GroundH2O | ug/L | |
| | | Styrene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,2,2-Tetrachloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Tetrachloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | Toluene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,1-Trichloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,2-Trichloroethane | < 10 | 10 | GroundH2O | ug/L | |

Chk'd: [illegible] App'd: [illegible]
Date App'd: 4.21.95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-017 | GWG130A | Trichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | Vinyl chloride | < 10 | 10 | GroundH2O | ug/L | |
| | | Xylenes, Total | < 10 | 10 | GroundH2O | ug/L | |

Sample Date: 29-MAR-95
Analysis Date: 11-APR-95

Chk'd: Kik App'd: [illegible]
Date App'd: 4-21-95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-018 | GWG33S | Acetone | 11 | 10 | GroundH2O | ug/L | |
| | | Benzene | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromochloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromodichloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromoform | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromomethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Butanone | < 10 | 10 | GroundH2O | ug/L | |
| | | Carbon Disulfide | < 10 | 10 | GroundH2O | ug/L | |
| | | Carbon tetrachloride | < 10 | 10 | GroundH2O | ug/L | |
| | | Chlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | Chlorodibromomethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloroform | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dibromo-3-chloropropane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dichlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,3-Dichlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,4-Dichlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1-Dichloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dichloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | total-1,2-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | cis-1,2-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | trans-1,2-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dichloropropane | < 10 | 10 | GroundH2O | ug/L | |
| | | cis-1,3-Dichloropropene | < 10 | 10 | GroundH2O | ug/L | |
| | | trans-1,3-Dichloropropene | < 10 | 10 | GroundH2O | ug/L | |
| | | Ethylbenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dibromoethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Hexanone | < 10 | 10 | GroundH2O | ug/L | |
| | | 4-Methyl-2-Pentanone (MIBK) | < 10 | 10 | GroundH2O | ug/L | |
| | | Methylene chloride | < 10 | 10 | GroundH2O | ug/L | |
| | | Styrene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,2,2-Tetrachloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Tetrachloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | Toluene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,1-Trichloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,2-Trichloroethane | < 10 | 10 | GroundH2O | ug/L | |

Chk'd: Kule App'd: CMW
Date App'd: 4.21.95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-018 | GWG33S | Trichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | Vinyl chloride | < 10 | 10 | GroundH2O | ug/L | |
| | | Xylenes, Total | < 10 | 10 | GroundH2O | ug/L | |

Sample Date: 29-MAR-95
Analysis Date: 06-APR-95

Chk'd: Kate App'd: CMW
Date App'd: 4.21.95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-019 | GWG33D | Acetone | 11 | 10 | GroundH2O | ug/L | |
| | | Benzene | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromochloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromodichloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromoform | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromomethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Butanone | < 10 | 10 | GroundH2O | ug/L | |
| | | Carbon Disulfide | < 10 | 10 | GroundH2O | ug/L | |
| | | Carbon tetrachloride | < 10 | 10 | GroundH2O | ug/L | |
| | | Chlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | Chlorodibromomethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloroform | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dibromo-3-chloropropane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dichlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,3-Dichlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,4-Dichlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1-Dichloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dichloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | total-1,2-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | cis-1,2-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | trans-1,2-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dichloropropane | < 10 | 10 | GroundH2O | ug/L | |
| | | cis-1,3-Dichloropropene | < 10 | 10 | GroundH2O | ug/L | |
| | | trans-1,3-Dichloropropene | < 10 | 10 | GroundH2O | ug/L | |
| | | Ethylbenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dibromoethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Hexanone | < 10 | 10 | GroundH2O | ug/L | |
| | | 4-Methyl-2-Pentanone (MIBK) | < 10 | 10 | GroundH2O | ug/L | |
| | | Methylene chloride | < 10 | 10 | GroundH2O | ug/L | |
| | | Styrene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,2,2-Tetrachloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Tetrachloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | Toluene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,1-Trichloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,2-Trichloroethane | < 10 | 10 | GroundH2O | ug/L | |

Chk'd: Kak App'd: CMW
Date App'd: 4.21.95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-019 | GWG33D | Trichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | Vinyl chloride | < 10 | 10 | GroundH2O | ug/L | |
| | | Xylenes, Total | < 10 | 10 | GroundH2O | ug/L | |

Sample Date: 29-MAR-95
Analysis Date: 06-APR-95

Chk'd: App'd: CAW
Date App'd: 4.21.95

MONTGOMERY WATSON
Analytical Testing Services

University Research Park
One Science Court
Madison, Wisconsin 53711
Tel: 608 231 4747 • Fax: 608 231 4777

VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-020 | GWG118A | Acetone | < 10 | 10 | GroundH2O | ug/L | |
| | | Benzene | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromochloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromodichloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromoform | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromomethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Butanone | < 10 | 10 | GroundH2O | ug/L | |
| | | Carbon Disulfide | < 10 | 10 | GroundH2O | ug/L | |
| | | Carbon tetrachloride | < 10 | 10 | GroundH2O | ug/L | |
| | | Chlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | Chlorodibromomethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloroform | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dibromo-3-chloropropane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dichlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,3-Dichlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,4-Dichlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1-Dichloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dichloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | total-1,2-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | cis-1,2-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | trans-1,2-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dichloropropane | < 10 | 10 | GroundH2O | ug/L | |
| | | cis-1,3-Dichloropropene | < 10 | 10 | GroundH2O | ug/L | |
| | | trans-1,3-Dichloropropene | < 10 | 10 | GroundH2O | ug/L | |
| | | Ethylbenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dibromoethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Hexanone | < 10 | 10 | GroundH2O | ug/L | |
| | | 4-Methyl-2-Pentanone (MIBK) | < 10 | 10 | GroundH2O | ug/L | |
| | | Methylene chloride | < 10 | 10 | GroundH2O | ug/L | |
| | | Styrene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,2,2-Tetrachloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Tetrachloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | Toluene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,1-Trichloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,2-Trichloroethane | < 10 | 10 | GroundH2O | ug/L | |

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WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-020 | GWG118A | Trichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | Vinyl chloride | < 10 | 10 | GroundH2O | ug/L | |
| | | Xylenes, Total | < 10 | 10 | GroundH2O | ug/L | |

Sample Date: 29-MAR-95
Analysis Date: 11-APR-95

Chk'd: [illegible] App'd: [illegible]
Date App'd: 4/21/95

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WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-021 | TB | Acetone | 32 | 10 | GroundH2O | ug/L | |
| | | Benzene | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromochloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromodichloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromoform | < 10 | 10 | GroundH2O | ug/L | |
| | | Bromomethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Butanone | < 10 | 10 | GroundH2O | ug/L | |
| | | Carbon Disulfide | < 10 | 10 | GroundH2O | ug/L | |
| | | Carbon tetrachloride | < 10 | 10 | GroundH2O | ug/L | |
| | | Chlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | Chlorodibromomethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloroform | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dibromo-3-chloropropane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dichlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,3-Dichlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,4-Dichlorobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1-Dichloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dichloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | total-1,2-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | cis-1,2-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | trans-1,2-Dichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dichloropropane | < 10 | 10 | GroundH2O | ug/L | |
| | | cis-1,3-Dichloropropene | < 10 | 10 | GroundH2O | ug/L | |
| | | trans-1,3-Dichloropropene | < 10 | 10 | GroundH2O | ug/L | |
| | | Ethylbenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,2-Dibromoethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Hexanone | < 10 | 10 | GroundH2O | ug/L | |
| | | 4-Methyl-2-Pentanone (MIBK) | < 10 | 10 | GroundH2O | ug/L | |
| | | Methylene chloride | < 10 | 10 | GroundH2O | ug/L | |
| | | Styrene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,2,2-Tetrachloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | Tetrachloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | Toluene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,1-Trichloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,2-Trichloroethane | < 10 | 10 | GroundH2O | ug/L | |

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Date App'd: 4.21.95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-021 | TB | Trichloroethene | < 10 | 10 | GroundH2O | ug/L | |
| | | Vinyl chloride | < 10 | 10 | GroundH2O | ug/L | |
| | | Xylenes, Total | < 10 | 10 | GroundH2O | ug/L | |

Sample Date: 29-MAR-95
Analysis Date: 11-APR-95

Chk'd: KRK App'd: GAW
Date App'd: 4.21.95

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WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-001 | GWP1 | Acetone | 14 | 10 | GroundH2O | ug/L | |
| | | Acrolein | < 25 | 25 | GroundH2O | ug/L | |
| | | Acrylonitrile | < 10 | 10 | GroundH2O | ug/L | |
| | | Benzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromochloromethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromodichloromethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromoform | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromomethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Butanone | < 5 | 5 | GroundH2O | ug/L | |
| | | 1-Butanol | < 100 | 100 | GroundH2O | ug/L | |
| | | 2-Butanol | < 100 | 100 | GroundH2O | ug/L | |
| | | n-Butylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | sec-Butylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | tert-Butylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Carbon Disulfide | < 5 | 5 | GroundH2O | ug/L | |
| | | Carbon tetrachloride | < 5 | 5 | GroundH2O | ug/L | |
| | | Chlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Chlorodibromomethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Chloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Chloroethyl vinyl ether | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloroform | < 5 | 5 | GroundH2O | ug/L | |
| | | Chloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Chlorotoluene | < 5 | 5 | GroundH2O | ug/L | |
| | | 4-Chlorotoluene | < 5 | 5 | GroundH2O | ug/L | |
| | | cumene (isopropyl benzene) | < 5 | 5 | GroundH2O | ug/L | |
| | | cymene (p-isopropyl toluene) | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dibromo-3-chloropropane | < 5 | 5 | GroundH2O | ug/L | |
| | | trans-1,4-dichloro-2-butene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dichlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,3-Dichlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,4-Dichlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Dichlorodifluoromethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1-Dichloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dichloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1-Dichloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | total-1,2-Dichloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | cis-1,2-Dichloroethene | < 5 | 5 | GroundH2O | ug/L | |

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WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-001 | GWP1 | trans-1,2-Dichloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dichloropropane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,3-Dichloropropane | < 5 | 5 | GroundH2O | ug/L | |
| | | 2,2-Dichloropropane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1-Dichloropropene | < 5 | 5 | GroundH2O | ug/L | |
| | | total-1,3-dichloropropene | < 5 | 5 | GroundH2O | ug/L | |
| | | cis-1,3-Dichloropropene | < 5 | 5 | GroundH2O | ug/L | |
| | | trans-1,3-Dichloropropene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,4-Difluorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Ethyl Acetate | < 5 | 5 | GroundH2O | ug/L | |
| | | Ethanol | < 100 | 100 | GroundH2O | ug/L | |
| | | Ethyl methacrylate | < 5 | 5 | GroundH2O | ug/L | |
| | | Ethylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dibromoethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 2-Hexanone | < 10 | 10 | GroundH2O | ug/L | |
| | | Iodomethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 4-Methyl-2-Pentanone (MIBK) | < 10 | 10 | GroundH2O | ug/L | |
| | | Methylene bromide | < 5 | 5 | GroundH2O | ug/L | |
| | | Methylene chloride | < 5 | 5 | GroundH2O | ug/L | |
| | | 1-Propanol | < 100 | 100 | GroundH2O | ug/L | |
| | | 2-Propanol | < 100 | 100 | GroundH2O | ug/L | |
| | | n-Propylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Styrene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,1,2-Tetrachloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1,2,2-Tetrachloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Tetrachloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | Tetrahydrofuran | 24 | 5 | GroundH2O | ug/L | |
| | | Toluene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2,3-Trichlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2,4-Trichlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1,1-Trichloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1,2-Trichloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Trichloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | Trichlorofluoromethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2,3-Trichloropropane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2,4-Trimethylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,3,5-Trimethylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Vinyl Acetate | < 10 | 10 | GroundH2O | ug/L | |

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Date App'd: 4-21-95

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WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-001 | GWP1 | Vinyl chloride | < 2 | 2 | GroundH2O | ug/L | |
| | | meta-Xylene | < 5 | 5 | GroundH2O | ug/L | |
| | | o-Xylene | < 5 | 5 | GroundH2O | ug/L | |
| | | para-Xylene | < 5 | 5 | GroundH2O | ug/L | |
| | | Xylenes, Total | < 5 | 5 | GroundH2O | ug/L | |
| | | bis(Chloromethyl)ether | < | | GroundH2O | ug/L | (a) |

Sample Date: 28-MAR-95
Analysis Date: 06-APR-95

(a) Investigations have revealed that when this compound is in water, it decomposes to hydrochloric acid and formaldehyde. Therefore, no PQL has been established by Method 8260.

Chk'd: [illegible] App'd: CHW
Date App'd: 4.21.95

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WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-002 | GWMW106 | Acetone | 18 | 10 | GroundH2O | ug/L | |
| | | Acrolein | < 25 | 25 | GroundH2O | ug/L | |
| | | Acrylonitrile | < 10 | 10 | GroundH2O | ug/L | |
| | | Benzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromochloromethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromodichloromethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromoform | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromomethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Butanone | < 5 | 5 | GroundH2O | ug/L | |
| | | 1-Butanol | < 100 | 100 | GroundH2O | ug/L | |
| | | 2-Butanol | 130 | 100 | GroundH2O | ug/L | |
| | | n-Butylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | sec-Butylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | tert-Butylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Carbon Disulfide | < 5 | 5 | GroundH2O | ug/L | |
| | | Carbon tetrachloride | < 5 | 5 | GroundH2O | ug/L | |
| | | Chlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Chlorodibromomethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Chloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Chloroethyl vinyl ether | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloroform | < 5 | 5 | GroundH2O | ug/L | |
| | | Chloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Chlorotoluene | < 5 | 5 | GroundH2O | ug/L | |
| | | 4-Chlorotoluene | < 5 | 5 | GroundH2O | ug/L | |
| | | cumene (isopropyl benzene) | < 5 | 5 | GroundH2O | ug/L | |
| | | cymene (p-isopropyl toluene) | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dibromo-3-chloropropane | < 5 | 5 | GroundH2O | ug/L | |
| | | trans-1,4-dichloro-2-butene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dichlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,3-Dichlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,4-Dichlorobenzene | 6 | 5 | GroundH2O | ug/L | |
| | | Dichlorodifluoromethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1-Dichloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dichloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1-Dichloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | total-1,2-Dichloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | cis-1,2-Dichloroethene | < 5 | 5 | GroundH2O | ug/L | |

Chk'd: [illegible] App'd: CAW
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ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-002 | GWMW106 | trans-1,2-Dichloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dichloropropane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,3-Dichloropropane | < 5 | 5 | GroundH2O | ug/L | |
| | | 2,2-Dichloropropane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1-Dichloropropene | < 5 | 5 | GroundH2O | ug/L | |
| | | total-1,3-dichloropropene | < 5 | 5 | GroundH2O | ug/L | |
| | | cis-1,3-Dichloropropene | < 5 | 5 | GroundH2O | ug/L | |
| | | trans-1,3-Dichloropropene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,4-Difluorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Ethyl Acetate | < 5 | 5 | GroundH2O | ug/L | |
| | | Ethanol | < 100 | 100 | GroundH2O | ug/L | |
| | | Ethyl methacrylate | < 5 | 5 | GroundH2O | ug/L | |
| | | Ethylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dibromoethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 2-Hexanone | < 10 | 10 | GroundH2O | ug/L | |
| | | Iodomethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 4-Methyl-2-Pentanone (MIBK) | < 10 | 10 | GroundH2O | ug/L | |
| | | Methylene bromide | < 5 | 5 | GroundH2O | ug/L | |
| | | Methylene chloride | < 5 | 5 | GroundH2O | ug/L | |
| | | 1-Propanol | < 100 | 100 | GroundH2O | ug/L | |
| | | 2-Propanol | < 100 | 100 | GroundH2O | ug/L | |
| | | n-Propylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Styrene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,1,2-Tetrachloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1,2,2-Tetrachloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Tetrachloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | Tetrahydrofuran | 87 | 5 | GroundH2O | ug/L | |
| | | Toluene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2,3-Trichlorobenzene | 10 | 5 | GroundH2O | ug/L | |
| | | 1,2,4-Trichlorobenzene | 6 | 5 | GroundH2O | ug/L | |
| | | 1,1,1-Trichloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1,2-Trichloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Trichloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | Trichlorofluoromethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2,3-Trichloropropane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2,4-Trimethylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,3,5-Trimethylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Vinyl Acetate | < 10 | 10 | GroundH2O | ug/L | |

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Date App'd: 11.21.95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-002 | GWMW106 | Vinyl chloride | < 2 | 2 | GroundH2O | ug/L | |
| | | meta-Xylene | < 5 | 5 | GroundH2O | ug/L | |
| | | o-Xylene | < 5 | 5 | GroundH2O | ug/L | |
| | | para-Xylene | < 5 | 5 | GroundH2O | ug/L | |
| | | Xylenes, Total | < 5 | 5 | GroundH2O | ug/L | |
| | | bis(Chloromethyl)ether | < | | GroundH2O | ug/L | (a) |

Sample Date: 28-MAR-95
Analysis Date: 06-APR-95

(a) Investigations have revealed that when this compound is in water, it decomposes to hydrochloric acid and formaldehyde. Therefore, no PQL has been established by Method 8260.

Chk'd: [illegible] App'd: [illegible]
Date App'd: 4.21.95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-003 | GWG35S | Acetone | 12 | 10 | GroundH2O | ug/L | |
| | | Acrolein | < 25 | 25 | GroundH2O | ug/L | |
| | | Acrylonitrile | < 10 | 10 | GroundH2O | ug/L | |
| | | Benzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromochloromethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromodichloromethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromoform | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromomethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Butanone | < 5 | 5 | GroundH2O | ug/L | |
| | | 1-Butanol | < 100 | 100 | GroundH2O | ug/L | |
| | | 2-Butanol | < 100 | 100 | GroundH2O | ug/L | |
| | | n-Butylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | sec-Butylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | tert-Butylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Carbon Disulfide | < 5 | 5 | GroundH2O | ug/L | |
| | | Carbon tetrachloride | < 5 | 5 | GroundH2O | ug/L | |
| | | Chlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Chlorodibromomethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Chloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Chloroethyl vinyl ether | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloroform | < 5 | 5 | GroundH2O | ug/L | |
| | | Chloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Chlorotoluene | < 5 | 5 | GroundH2O | ug/L | |
| | | 4-Chlorotoluene | < 5 | 5 | GroundH2O | ug/L | |
| | | cumene (isopropyl benzene) | < 5 | 5 | GroundH2O | ug/L | |
| | | cymene (p-isopropyl toluene) | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dibromo-3-chloropropane | < 5 | 5 | GroundH2O | ug/L | |
| | | trans-1,4-dichloro-2-butene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dichlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,3-Dichlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,4-Dichlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Dichlorodifluoromethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1-Dichloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dichloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1-Dichloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | total-1,2-Dichloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | cis-1,2-Dichloroethene | < 5 | 5 | GroundH2O | ug/L | |

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-003 | GWG35S | trans-1,2-Dichloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dichloropropane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,3-Dichloropropane | < 5 | 5 | GroundH2O | ug/L | |
| | | 2,2-Dichloropropane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1-Dichloropropene | < 5 | 5 | GroundH2O | ug/L | |
| | | total-1,3-dichloropropene | < 5 | 5 | GroundH2O | ug/L | |
| | | cis-1,3-Dichloropropene | < 5 | 5 | GroundH2O | ug/L | |
| | | trans-1,3-Dichloropropene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,4-Difluorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Ethyl Acetate | < 5 | 5 | GroundH2O | ug/L | |
| | | Ethanol | < 100 | 100 | GroundH2O | ug/L | |
| | | Ethyl methacrylate | < 5 | 5 | GroundH2O | ug/L | |
| | | Ethylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dibromoethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 2-Hexanone | < 10 | 10 | GroundH2O | ug/L | |
| | | Iodomethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 4-Methyl-2-Pentanone (MIBK) | < 10 | 10 | GroundH2O | ug/L | |
| | | Methylene bromide | < 5 | 5 | GroundH2O | ug/L | |
| | | Methylene chloride | < 5 | 5 | GroundH2O | ug/L | |
| | | 1-Propanol | < 100 | 100 | GroundH2O | ug/L | |
| | | 2-Propanol | < 100 | 100 | GroundH2O | ug/L | |
| | | n-Propylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Styrene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,1,2-Tetrachloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1,2,2-Tetrachloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Tetrachloroethene | 6 | 5 | GroundH2O | ug/L | |
| | | Tetrahydrofuran | < 5 | 5 | GroundH2O | ug/L | |
| | | Toluene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2,3-Trichlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2,4-Trichlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1,1-Trichloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1,2-Trichloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Trichloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | Trichlorofluoromethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2,3-Trichloropropane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2,4-Trimethylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,3,5-Trimethylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Vinyl Acetate | < 10 | 10 | GroundH2O | ug/L | |

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-003 | GWG35S | Vinyl chloride | < 2 | 2 | GroundH2O | ug/L | |
| | | meta-Xylene | < 5 | 5 | GroundH2O | ug/L | |
| | | o-Xylene | < 5 | 5 | GroundH2O | ug/L | |
| | | para-Xylene | < 5 | 5 | GroundH2O | ug/L | |
| | | Xylenes, Total | < 5 | 5 | GroundH2O | ug/L | |
| | | bis(Chloromethyl)ether | < | | GroundH2O | ug/L | (a) |

Sample Date: 28-MAR-95
Analysis Date: 06-APR-95

(a) Investigations have revealed that when this compound is in water, it decomposes to hydrochloric acid and formaldehyde. Therefore, no PQL has been established by Method 8260.

Chk'd: [illegible] App'd: [illegible]
Date App'd: 4-21-95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-004 | GWG35D | Acetone | < 10 | 10 | GroundH2O | ug/L | |
| | | Acrolein | < 25 | 25 | GroundH2O | ug/L | |
| | | Acrylonitrile | < 10 | 10 | GroundH2O | ug/L | |
| | | Benzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromochloromethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromodichloromethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromoform | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromomethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Butanone | < 5 | 5 | GroundH2O | ug/L | |
| | | 1-Butanol | < 100 | 100 | GroundH2O | ug/L | |
| | | 2-Butanol | < 100 | 100 | GroundH2O | ug/L | |
| | | n-Butylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | sec-Butylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | tert-Butylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Carbon Disulfide | < 5 | 5 | GroundH2O | ug/L | |
| | | Carbon tetrachloride | < 5 | 5 | GroundH2O | ug/L | |
| | | Chlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Chlorodibromomethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Chloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Chloroethyl vinyl ether | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloroform | < 5 | 5 | GroundH2O | ug/L | |
| | | Chloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Chlorotoluene | < 5 | 5 | GroundH2O | ug/L | |
| | | 4-Chlorotoluene | < 5 | 5 | GroundH2O | ug/L | |
| | | cumene (isopropyl benzene) | < 5 | 5 | GroundH2O | ug/L | |
| | | cymene (p-isopropyl toluene) | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dibromo-3-chloropropane | < 5 | 5 | GroundH2O | ug/L | |
| | | trans-1,4-dichloro-2-butene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dichlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,3-Dichlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,4-Dichlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Dichlorodifluoromethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1-Dichloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dichloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1-Dichloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | total-1,2-Dichloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | cis-1,2-Dichloroethene | < 5 | 5 | GroundH2O | ug/L | |

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WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-004 | GWG35D | trans-1,2-Dichloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dichloropropane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,3-Dichloropropane | < 5 | 5 | GroundH2O | ug/L | |
| | | 2,2-Dichloropropane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1-Dichloropropene | < 5 | 5 | GroundH2O | ug/L | |
| | | total-1,3-dichloropropene | < 5 | 5 | GroundH2O | ug/L | |
| | | cis-1,3-Dichloropropene | < 5 | 5 | GroundH2O | ug/L | |
| | | trans-1,3-Dichloropropene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,4-Difluorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Ethyl Acetate | < 5 | 5 | GroundH2O | ug/L | |
| | | Ethanol | < 100 | 100 | GroundH2O | ug/L | |
| | | Ethyl methacrylate | < 5 | 5 | GroundH2O | ug/L | |
| | | Ethylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dibromoethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 2-Hexanone | < 10 | 10 | GroundH2O | ug/L | |
| | | Iodomethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 4-Methyl-2-Pentanone (MIBK) | < 10 | 10 | GroundH2O | ug/L | |
| | | Methylene bromide | < 5 | 5 | GroundH2O | ug/L | |
| | | Methylene chloride | < 5 | 5 | GroundH2O | ug/L | |
| | | 1-Propanol | < 100 | 100 | GroundH2O | ug/L | |
| | | 2-Propanol | < 100 | 100 | GroundH2O | ug/L | |
| | | n-Propylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Styrene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,1,2-Tetrachloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1,2,2-Tetrachloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Tetrachloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | Tetrahydrofuran | 42 | 5 | GroundH2O | ug/L | |
| | | Toluene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2,3-Trichlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2,4-Trichlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1,1-Trichloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1,2-Trichloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Trichloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | Trichlorofluoromethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2,3-Trichloropropane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2,4-Trimethylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,3,5-Trimethylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Vinyl Acetate | < 10 | 10 | GroundH2O | ug/L | |

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Date App'd: 4-21-95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-004 | GWG35D | Vinyl chloride | < 2 | 2 | GroundH2O | ug/L | |
| | | meta-Xylene | < 5 | 5 | GroundH2O | ug/L | |
| | | o-Xylene | < 5 | 5 | GroundH2O | ug/L | |
| | | para-Xylene | < 5 | 5 | GroundH2O | ug/L | |
| | | Xylenes, Total | < 5 | 5 | GroundH2O | ug/L | |
| | | bis(Chloromethyl)ether | < | | GroundH2O | ug/L | (a) |

Sample Date: 28-MAR-95
Analysis Date: 06-APR-95

(a) Investigations have revealed that when this compound is in water, it decomposes to hydrochloric acid and formaldehyde. Therefore, no PQL has been established by Method 8260.

Chk'd: [illegible] App'd: [illegible]
Date App'd: 4.21.95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-005 | GWG132 | Acetone | < 10 | 10 | GroundH2O | ug/L | |
| | | Acrolein | < 25 | 25 | GroundH2O | ug/L | |
| | | Acrylonitrile | < 10 | 10 | GroundH2O | ug/L | |
| | | Benzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromochloromethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromodichloromethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromoform | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromomethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Butanone | < 5 | 5 | GroundH2O | ug/L | |
| | | 1-Butanol | < 100 | 100 | GroundH2O | ug/L | |
| | | 2-Butanol | < 100 | 100 | GroundH2O | ug/L | |
| | | n-Butylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | sec-Butylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | tert-Butylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Carbon Disulfide | < 5 | 5 | GroundH2O | ug/L | |
| | | Carbon tetrachloride | < 5 | 5 | GroundH2O | ug/L | |
| | | Chlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Chlorodibromomethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Chloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Chloroethyl vinyl ether | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloroform | < 5 | 5 | GroundH2O | ug/L | |
| | | Chloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Chlorotoluene | < 5 | 5 | GroundH2O | ug/L | |
| | | 4-Chlorotoluene | < 5 | 5 | GroundH2O | ug/L | |
| | | cumene (isopropyl benzene) | < 5 | 5 | GroundH2O | ug/L | |
| | | cymene (p-isopropyl toluene) | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dibromo-3-chloropropane | < 5 | 5 | GroundH2O | ug/L | |
| | | trans-1,4-dichloro-2-butene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dichlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,3-Dichlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,4-Dichlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Dichlorodifluoromethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1-Dichloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dichloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1-Dichloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | total-1,2-Dichloroethene | 12 | 5 | GroundH2O | ug/L | |
| | | cis-1,2-Dichloroethene | 12 | 5 | GroundH2O | ug/L | |

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Date App'd: 4.21.95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-005 | GWG132 | trans-1,2-Dichloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dichloropropane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,3-Dichloropropane | < 5 | 5 | GroundH2O | ug/L | |
| | | 2,2-Dichloropropane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1-Dichloropropene | < 5 | 5 | GroundH2O | ug/L | |
| | | total-1,3-dichloropropene | < 5 | 5 | GroundH2O | ug/L | |
| | | cis-1,3-Dichloropropene | < 5 | 5 | GroundH2O | ug/L | |
| | | trans-1,3-Dichloropropene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,4-Difluorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Ethyl Acetate | < 5 | 5 | GroundH2O | ug/L | |
| | | Ethanol | < 100 | 100 | GroundH2O | ug/L | |
| | | Ethyl methacrylate | < 5 | 5 | GroundH2O | ug/L | |
| | | Ethylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dibromoethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 2-Hexanone | < 10 | 10 | GroundH2O | ug/L | |
| | | Iodomethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 4-Methyl-2-Pentanone (MIBK) | < 10 | 10 | GroundH2O | ug/L | |
| | | Methylene bromide | < 5 | 5 | GroundH2O | ug/L | |
| | | Methylene chloride | < 5 | 5 | GroundH2O | ug/L | |
| | | 1-Propanol | < 100 | 100 | GroundH2O | ug/L | |
| | | 2-Propanol | < 100 | 100 | GroundH2O | ug/L | |
| | | n-Propylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Styrene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,1,2-Tetrachloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1,2,2-Tetrachloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Tetrachloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | Tetrahydrofuran | < 5 | 5 | GroundH2O | ug/L | |
| | | Toluene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2,3-Trichlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2,4-Trichlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1,1-Trichloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1,2-Trichloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Trichloroethene | 7 | 5 | GroundH2O | ug/L | |
| | | Trichlorofluoromethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2,3-Trichloropropane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2,4-Trimethylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,3,5-Trimethylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Vinyl Acetate | < 10 | 10 | GroundH2O | ug/L | |

Chk'd: App'd:
Date App'd: 4-21-95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-005 | GWG132 | Vinyl chloride | < 2 | 2 | GroundH2O | ug/L | |
| | | meta-Xylene | < 5 | 5 | GroundH2O | ug/L | |
| | | o-Xylene | < 5 | 5 | GroundH2O | ug/L | |
| | | para-Xylene | < 5 | 5 | GroundH2O | ug/L | |
| | | Xylenes, Total | < 5 | 5 | GroundH2O | ug/L | |
| | | bis(Chloromethyl)ether | < | | GroundH2O | ug/L | (a) |

Sample Date: 28-MAR-95
Analysis Date: 06-APR-95

(a) Investigations have revealed that when this compound is in water, it decomposes to hydrochloric acid and formaldehyde. Therefore, no PQL has been established by Method 8260.

Chk'd: Kak App'd: CMW
Date App'd: 4.21.95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-006 | GWB15P | Acetone | < 10 | 10 | GroundH2O | ug/L | |
| | | Acrolein | < 25 | 25 | GroundH2O | ug/L | |
| | | Acrylonitrile | < 10 | 10 | GroundH2O | ug/L | |
| | | Benzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromochloromethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromodichloromethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromoform | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromomethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Butanone | < 5 | 5 | GroundH2O | ug/L | |
| | | 1-Butanol | < 100 | 100 | GroundH2O | ug/L | |
| | | 2-Butanol | < 100 | 100 | GroundH2O | ug/L | |
| | | n-Butylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | sec-Butylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | tert-Butylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Carbon Disulfide | < 5 | 5 | GroundH2O | ug/L | |
| | | Carbon tetrachloride | < 5 | 5 | GroundH2O | ug/L | |
| | | Chlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Chlorodibromomethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Chloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Chloroethyl vinyl ether | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloroform | < 5 | 5 | GroundH2O | ug/L | |
| | | Chloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Chlorotoluene | < 5 | 5 | GroundH2O | ug/L | |
| | | 4-Chlorotoluene | < 5 | 5 | GroundH2O | ug/L | |
| | | cumene (isopropyl benzene) | < 5 | 5 | GroundH2O | ug/L | |
| | | cymene (p-isopropyl toluene) | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dibromo-3-chloropropane | < 5 | 5 | GroundH2O | ug/L | |
| | | trans-1,4-dichloro-2-butene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dichlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,3-Dichlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,4-Dichlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Dichlorodifluoromethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1-Dichloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dichloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1-Dichloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | total-1,2-Dichloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | cis-1,2-Dichloroethene | < 5 | 5 | GroundH2O | ug/L | |

Chk'd: [illegible] App'd: [illegible]
Date App'd: 4.21.95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-006 | GWB15P | trans-1,2-Dichloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dichloropropane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,3-Dichloropropane | < 5 | 5 | GroundH2O | ug/L | |
| | | 2,2-Dichloropropane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1-Dichloropropene | < 5 | 5 | GroundH2O | ug/L | |
| | | total-1,3-dichloropropene | < 5 | 5 | GroundH2O | ug/L | |
| | | cis-1,3-Dichloropropene | < 5 | 5 | GroundH2O | ug/L | |
| | | trans-1,3-Dichloropropene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,4-Difluorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Ethyl Acetate | < 5 | 5 | GroundH2O | ug/L | |
| | | Ethanol | < 100 | 100 | GroundH2O | ug/L | |
| | | Ethyl methacrylate | < 5 | 5 | GroundH2O | ug/L | |
| | | Ethylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dibromoethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 2-Hexanone | < 10 | 10 | GroundH2O | ug/L | |
| | | Iodomethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 4-Methyl-2-Pentanone (MIBK) | < 10 | 10 | GroundH2O | ug/L | |
| | | Methylene bromide | < 5 | 5 | GroundH2O | ug/L | |
| | | Methylene chloride | < 5 | 5 | GroundH2O | ug/L | |
| | | 1-Propanol | < 100 | 100 | GroundH2O | ug/L | |
| | | 2-Propanol | < 100 | 100 | GroundH2O | ug/L | |
| | | n-Propylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Styrene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,1,2-Tetrachloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1,2,2-Tetrachloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Tetrachloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | Tetrahydrofuran | < 5 | 5 | GroundH2O | ug/L | |
| | | Toluene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2,3-Trichlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2,4-Trichlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1,1-Trichloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1,2-Trichloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Trichloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | Trichlorofluoromethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2,3-Trichloropropane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2,4-Trimethylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,3,5-Trimethylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Vinyl Acetate | < 10 | 10 | GroundH2O | ug/L | |

Chk'd: [illegible] App'd: [illegible]
Date App'd: 4.21.95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-006 | GWB15P | Vinyl chloride | < 2 | 2 | GroundH2O | ug/L | |
| | | meta-Xylene | < 5 | 5 | GroundH2O | ug/L | |
| | | o-Xylene | < 5 | 5 | GroundH2O | ug/L | |
| | | para-Xylene | < 5 | 5 | GroundH2O | ug/L | |
| | | Xylenes, Total | < 5 | 5 | GroundH2O | ug/L | |
| | | bis(Chloromethyl)ether | < | | GroundH2O | ug/L | (a) |

Sample Date: 28-MAR-95
Analysis Date: 06-APR-95

(a) Investigations have revealed that when this compound is in water, it decomposes to hydrochloric acid and formaldehyde. Therefore, no PQL has been established by Method 8260.

Chk'd: App'd: CAW
Date App'd: 4.21.95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-007 | GWB15R | Acetone | 14 | 10 | GroundH2O | ug/L | |
| | | Acrolein | < 25 | 25 | GroundH2O | ug/L | |
| | | Acrylonitrile | < 10 | 10 | GroundH2O | ug/L | |
| | | Benzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromochloromethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromodichloromethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromoform | < 5 | 5 | GroundH2O | ug/L | |
| | | Bromomethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Butanone | < 5 | 5 | GroundH2O | ug/L | |
| | | 1-Butanol | < 100 | 100 | GroundH2O | ug/L | |
| | | 2-Butanol | < 100 | 100 | GroundH2O | ug/L | |
| | | n-Butylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | sec-Butylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | tert-Butylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Carbon Disulfide | < 5 | 5 | GroundH2O | ug/L | |
| | | Carbon tetrachloride | < 5 | 5 | GroundH2O | ug/L | |
| | | Chlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Chlorodibromomethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Chloroethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Chloroethyl vinyl ether | < 10 | 10 | GroundH2O | ug/L | |
| | | Chloroform | < 5 | 5 | GroundH2O | ug/L | |
| | | Chloromethane | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Chlorotoluene | < 5 | 5 | GroundH2O | ug/L | |
| | | 4-Chlorotoluene | < 5 | 5 | GroundH2O | ug/L | |
| | | cumene (isopropyl benzene) | < 5 | 5 | GroundH2O | ug/L | |
| | | cymene (p-isopropyl toluene) | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dibromo-3-chloropropane | < 5 | 5 | GroundH2O | ug/L | |
| | | trans-1,4-dichloro-2-butene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dichlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,3-Dichlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,4-Dichlorobenzene | 11 | 5 | GroundH2O | ug/L | |
| | | Dichlorodifluoromethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1-Dichloroethane | 6 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dichloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1-Dichloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | total-1,2-Dichloroethene | 6 | 5 | GroundH2O | ug/L | |
| | | cis-1,2-Dichloroethene | 6 | 5 | GroundH2O | ug/L | |

Chk'd: Kok App'd: GAW
Date App'd: 4.21.95

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VOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-007 | GWB15R | trans-1,2-Dichloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dichloropropane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,3-Dichloropropane | < 5 | 5 | GroundH2O | ug/L | |
| | | 2,2-Dichloropropane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1-Dichloropropene | < 5 | 5 | GroundH2O | ug/L | |
| | | total-1,3-dichloropropene | < 5 | 5 | GroundH2O | ug/L | |
| | | cis-1,3-Dichloropropene | < 5 | 5 | GroundH2O | ug/L | |
| | | trans-1,3-Dichloropropene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,4-Difluorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Ethyl Acetate | < 5 | 5 | GroundH2O | ug/L | |
| | | Ethanol | < 100 | 100 | GroundH2O | ug/L | |
| | | Ethyl methacrylate | < 5 | 5 | GroundH2O | ug/L | |
| | | Ethylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2-Dibromoethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 2-Hexanone | < 10 | 10 | GroundH2O | ug/L | |
| | | Iodomethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 4-Methyl-2-Pentanone (MIBK) | < 10 | 10 | GroundH2O | ug/L | |
| | | Methylene bromide | < 5 | 5 | GroundH2O | ug/L | |
| | | Methylene chloride | < 5 | 5 | GroundH2O | ug/L | |
| | | 1-Propanol | < 100 | 100 | GroundH2O | ug/L | |
| | | 2-Propanol | < 100 | 100 | GroundH2O | ug/L | |
| | | n-Propylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Styrene | < 10 | 10 | GroundH2O | ug/L | |
| | | 1,1,1,2-Tetrachloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1,2,2-Tetrachloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Tetrachloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | Tetrahydrofuran | 49 | 5 | GroundH2O | ug/L | |
| | | Toluene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2,3-Trichlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2,4-Trichlorobenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1,1-Trichloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,1,2-Trichloroethane | < 5 | 5 | GroundH2O | ug/L | |
| | | Trichloroethene | < 5 | 5 | GroundH2O | ug/L | |
| | | Trichlorofluoromethane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2,3-Trichloropropane | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,2,4-Trimethylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | 1,3,5-Trimethylbenzene | < 5 | 5 | GroundH2O | ug/L | |
| | | Vinyl Acetate | < 10 | 10 | GroundH2O | ug/L | |

Chk'd: Kate App'd: CMW
Date App'd: 4.21.95

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VOLATILE ORGANIC REPORT
*WINNEBAGO LANDFILL-PROGRAM 2*
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-007 | GWB15R | Vinyl chloride | < 2 | 2 | GroundH2O | ug/L | |
| | | meta-Xylene | < 5 | 5 | GroundH2O | ug/L | |
| | | o-Xylene | < 5 | 5 | GroundH2O | ug/L | |
| | | para-Xylene | < 5 | 5 | GroundH2O | ug/L | |
| | | Xylenes, Total | < 5 | 5 | GroundH2O | ug/L | |
| | | bis(Chloromethyl)ether | < | | GroundH2O | ug/L | (a) |

Sample Date: 28-MAR-95
Analysis Date: 06-APR-95

(a) Investigations have revealed that when this compound is in water, it decomposes to hydrochloric acid and formaldehyde. Therefore, no PQL has been established by Method 8260.

Chk'd: App'd:
Date App'd: 4.21.95

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SEMIVOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Compound | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-001 | GWP1 | Phenol | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | 3&4-Methylphenol | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Nitrobenzene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Isophorone | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | 2,4-Dimethylphenol | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Bis(2-chloroethoxy)methane | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Benzoic Acid | < 54 | 50 | GroundH2O | ug/L | A1 |
| | | Naphthalene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Hexachlorobutadiene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | 2-Chloronaphthalene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Dimethyl phthalate | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | 4-Nitrophenol | < 54 | 50 | GroundH2O | ug/L | A1 |
| | | Diethyl phthalate | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Carbofuran | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Pentachlorophenol | < 54 | 50 | GroundH2O | ug/L | A1 |
| | | Phenanthrene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Di-n-butylphthalate | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Butylbenzylphthalate | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Bis(2-ethylhexyl)phthalate | < 4.3 | 4.0 | GroundH2O | ug/L | A1 |

Sample Date: 28-MAR-95
Extract Date: 31-MAR-95
Analysis Date: 02-APR-95

Chk'd: [illegible] App'd: CAW
Date App'd: 4.20.95

WI Lab Certification ID#: 113138300

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SEMIVOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Compound | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-002 | GWMW106 | Phenol | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | 3&4-Methylphenol | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Nitrobenzene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Isophorone | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | 2,4-Dimethylphenol | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Bis(2-chloroethoxy)methane | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Benzoic Acid | < 53 | 50 | GroundH2O | ug/L | A1 |
| | | Naphthalene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Hexachlorobutadiene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | 2-Chloronaphthalene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Dimethyl phthalate | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | 4-Nitrophenol | < 53 | 50 | GroundH2O | ug/L | A1 |
| | | Diethyl phthalate | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Carbofuran | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Pentachlorophenol | < 53 | 50 | GroundH2O | ug/L | A1 |
| | | Phenanthrene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Di-n-butylphthalate | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Butylbenzylphthalate | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Bis(2-ethylhexyl)phthalate | 100 | 4.0 | GroundH2O | ug/L | |

Sample Date: 28-MAR-95
Extract Date: 31-MAR-95
Analysis Date: 02-APR-95

Chk'd: [illegible] App'd: CAW
Date App'd: 4.20.95

WI Lab Certification ID#: 113138300

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SEMIVOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Compound | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-003 | GWG35S | Phenol | < 10 | 10 | GroundH2O | ug/L | |
| | | 3&4-Methylphenol | < 10 | 10 | GroundH2O | ug/L | |
| | | Nitrobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | Isophorone | < 10 | 10 | GroundH2O | ug/L | |
| | | 2,4-Dimethylphenol | < 10 | 10 | GroundH2O | ug/L | |
| | | Bis(2-chloroethoxy)methane | < 10 | 10 | GroundH2O | ug/L | |
| | | Benzoic Acid | < 51 | 50 | GroundH2O | ug/L | A1 |
| | | Naphthalene | < 10 | 10 | GroundH2O | ug/L | |
| | | Hexachlorobutadiene | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Chloronaphthalene | < 10 | 10 | GroundH2O | ug/L | |
| | | Dimethyl phthalate | < 10 | 10 | GroundH2O | ug/L | |
| | | 4-Nitrophenol | < 51 | 50 | GroundH2O | ug/L | A1 |
| | | Diethyl phthalate | < 10 | 10 | GroundH2O | ug/L | |
| | | Carbofuran | < 10 | 10 | GroundH2O | ug/L | |
| | | Pentachlorophenol | < 51 | 50 | GroundH2O | ug/L | A1 |
| | | Phenanthrene | < 10 | 10 | GroundH2O | ug/L | |
| | | Di-n-butylphthalate | < 10 | 10 | GroundH2O | ug/L | |
| | | Butylbenzylphthalate | < 10 | 10 | GroundH2O | ug/L | |
| | | Bis(2-ethylhexyl)phthalate | < 4.0 | 4.0 | GroundH2O | ug/L | |

Sample Date: 28-MAR-95
Extract Date: 31-MAR-95
Analysis Date: 02-APR-95

Chk'd: App'd:
Date App'd: 4.20.95

WI Lab Certification ID#: 113138300

**MONTGOMERY WATSON**
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SEMIVOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Compound | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-004 | GWG35D | Phenol | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | 3&4-Methylphenol | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Nitrobenzene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Isophorone | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | 2,4-Dimethylphenol | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Bis(2-chloroethoxy)methane | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Benzoic Acid | < 53 | 50 | GroundH2O | ug/L | A1 |
| | | Naphthalene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Hexachlorobutadiene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | 2-Chloronaphthalene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Dimethyl phthalate | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | 4-Nitrophenol | < 53 | 50 | GroundH2O | ug/L | A1 |
| | | Diethyl phthalate | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Carbofuran | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Pentachlorophenol | < 53 | 50 | GroundH2O | ug/L | A1 |
| | | Phenanthrene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Di-n-butylphthalate | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Butylbenzylphthalate | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Bis(2-ethylhexyl)phthalate | < 4.2 | 4.0 | GroundH2O | ug/L | A1 |

Sample Date: 28-MAR-95
Extract Date: 31-MAR-95
Analysis Date: 02-APR-95

Chk'd: [illegible] App'd: [illegible]
Date App'd: 4.20.95

WI Lab Certification ID#: 113138300

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SEMIVOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Compound | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-005 | GWG132 | Phenol | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | 3&4-Methylphenol | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Nitrobenzene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Isophorone | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | 2,4-Dimethylphenol | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Bis(2-chloroethoxy)methane | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Benzoic Acid | < 53 | 50 | GroundH2O | ug/L | A1 |
| | | Naphthalene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Hexachlorobutadiene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | 2-Chloronaphthalene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Dimethyl phthalate | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | 4-Nitrophenol | < 53 | 50 | GroundH2O | ug/L | A1 |
| | | Diethyl phthalate | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Carbofuran | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Pentachlorophenol | < 53 | 50 | GroundH2O | ug/L | A1 |
| | | Phenanthrene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Di-n-butylphthalate | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Butylbenzylphthalate | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Bis(2-ethylhexyl)phthalate | 10 | 4.0 | GroundH2O | ug/L | |

Sample Date: 28-MAR-95
Extract Date: 31-MAR-95
Analysis Date: 02-APR-95

Chk'd: App'd:
Date App'd: 4.20.95

WI Lab Certification ID#: 113138300

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SEMIVOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Compound | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-006 | GWB15P | Phenol | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | 3&4-Methylphenol | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Nitrobenzene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Isophorone | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | 2,4-Dimethylphenol | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Bis(2-chloroethoxy)methane | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Benzoic Acid | < 54 | 50 | GroundH2O | ug/L | A1 |
| | | Naphthalene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Hexachlorobutadiene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | 2-Chloronaphthalene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Dimethyl phthalate | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | 4-Nitrophenol | < 54 | 50 | GroundH2O | ug/L | A1 |
| | | Diethyl phthalate | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Carbofuran | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Pentachlorophenol | < 54 | 50 | GroundH2O | ug/L | A1 |
| | | Phenanthrene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Di-n-butylphthalate | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Butylbenzylphthalate | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Bis(2-ethylhexyl)phthalate | < 4.3 | 4.0 | GroundH2O | ug/L | A1 |

Sample Date: 28-MAR-95
Extract Date: 31-MAR-95
Analysis Date: 02-APR-95

Chk'd: App'd:
Date App'd: 4.20.95

WI Lab Certification ID#: 113138300

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SEMIVOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Compound | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-007 | GWB15R | Phenol | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | 3&4-Methylphenol | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Nitrobenzene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Isophorone | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | 2,4-Dimethylphenol | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Bis(2-chloroethoxy)methane | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Benzoic Acid | < 56 | 50 | GroundH2O | ug/L | A1 |
| | | Naphthalene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Hexachlorobutadiene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | 2-Chloronaphthalene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Dimethyl phthalate | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | 4-Nitrophenol | < 56 | 50 | GroundH2O | ug/L | A1 |
| | | Diethyl phthalate | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Carbofuran | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Pentachlorophenol | < 56 | 50 | GroundH2O | ug/L | A1 |
| | | Phenanthrene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Di-n-butylphthalate | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Butylbenzylphthalate | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Bis(2-ethylhexyl)phthalate | < 4.4 | 4.0 | GroundH2O | ug/L | A1 |

Sample Date: 28-MAR-95
Extract Date: 31-MAR-95
Analysis Date: 06-APR-95

Chk'd: [illegible] App'd: CAW
Date App'd: 4.20.95

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SEMIVOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Compound | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-008 | GWG117 | Phenol | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | 3&4-Methylphenol | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Nitrobenzene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Isophorone | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | 2,4-Dimethylphenol | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Bis(2-chloroethoxy)methane | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Benzoic Acid | < 53 | 50 | GroundH2O | ug/L | A1 |
| | | Naphthalene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Hexachlorobutadiene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | 2-Chloronaphthalene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Dimethyl phthalate | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | 4-Nitrophenol | < 53 | 50 | GroundH2O | ug/L | A1 |
| | | Diethyl phthalate | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Carbofuran | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Pentachlorophenol | < 53 | 50 | GroundH2O | ug/L | A1 |
| | | Phenanthrene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Di-n-butylphthalate | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Butylbenzylphthalate | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Bis(2-ethylhexyl)phthalate | < 4.2 | 4.0 | GroundH2O | ug/L | A1 |

Sample Date: 29-MAR-95
Extract Date: 31-MAR-95
Analysis Date: 06-APR-95

Chk'd: App'd: CAW
Date App'd: 4.20.95

WI Lab Certification ID#: 113138300

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SEMIVOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Compound | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-009 | GWG37S | Phenol | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | 3&4-Methylphenol | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Nitrobenzene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Isophorone | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | 2,4-Dimethylphenol | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Bis(2-chloroethoxy)methane | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Benzoic Acid | < 57 | 50 | GroundH2O | ug/L | A1 |
| | | Naphthalene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Hexachlorobutadiene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | 2-Chloronaphthalene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Dimethyl phthalate | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | 4-Nitrophenol | < 57 | 50 | GroundH2O | ug/L | A1 |
| | | Diethyl phthalate | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Carbofuran | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Pentachlorophenol | < 57 | 50 | GroundH2O | ug/L | A1 |
| | | Phenanthrene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Di-n-butylphthalate | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Butylbenzylphthalate | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Bis(2-ethylhexyl)phthalate | 11 | 4.0 | GroundH2O | ug/L | A17 |

Sample Date: 29-MAR-95
Extract Date: 31-MAR-95
Analysis Date: 06-APR-95

Chk'd: [illegible] App'd: [illegible]
Date App'd: 4.20.95

WI Lab Certification ID#: 113138300

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SEMIVOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Compound | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-010 | GWG37D | Phenol | < 10 | 10 | GroundH2O | ug/L | |
| | | 3&4-Methylphenol | < 10 | 10 | GroundH2O | ug/L | |
| | | Nitrobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | Isophorone | < 10 | 10 | GroundH2O | ug/L | |
| | | 2,4-Dimethylphenol | < 10 | 10 | GroundH2O | ug/L | |
| | | Bis(2-chloroethoxy)methane | < 10 | 10 | GroundH2O | ug/L | |
| | | Benzoic Acid | < 50 | 50 | GroundH2O | ug/L | |
| | | Naphthalene | < 10 | 10 | GroundH2O | ug/L | |
| | | Hexachlorobutadiene | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Chloronaphthalene | < 10 | 10 | GroundH2O | ug/L | |
| | | Dimethyl phthalate | < 10 | 10 | GroundH2O | ug/L | |
| | | 4-Nitrophenol | < 50 | 50 | GroundH2O | ug/L | |
| | | Diethyl phthalate | < 10 | 10 | GroundH2O | ug/L | |
| | | Carbofuran | < 10 | 10 | GroundH2O | ug/L | |
| | | Pentachlorophenol | < 50 | 50 | GroundH2O | ug/L | |
| | | Phenanthrene | < 10 | 10 | GroundH2O | ug/L | |
| | | Di-n-butylphthalate | < 10 | 10 | GroundH2O | ug/L | |
| | | Butylbenzylphthalate | < 10 | 10 | GroundH2O | ug/L | |
| | | Bis(2-ethylhexyl)phthalate | 7.0 | 4.0 | GroundH2O | ug/L | A17 |

Sample Date: 29-MAR-95
Extract Date: 31-MAR-95
Analysis Date: 07-APR-95

Chk'd: [illegible] App'd: [illegible]
Date App'd: 4.20.95

WI Lab Certification ID#: 113138300

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SEMIVOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Compound | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-011 | GWG118R | Phenol | < 10 | 10 | GroundH2O | ug/L | |
| | | 3&4-Methylphenol | < 10 | 10 | GroundH2O | ug/L | |
| | | Nitrobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | Isophorone | < 10 | 10 | GroundH2O | ug/L | |
| | | 2,4-Dimethylphenol | < 10 | 10 | GroundH2O | ug/L | |
| | | Bis(2-chloroethoxy)methane | < 10 | 10 | GroundH2O | ug/L | |
| | | Benzoic Acid | < 50 | 50 | GroundH2O | ug/L | |
| | | Naphthalene | < 10 | 10 | GroundH2O | ug/L | |
| | | Hexachlorobutadiene | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Chloronaphthalene | < 10 | 10 | GroundH2O | ug/L | |
| | | Dimethyl phthalate | < 10 | 10 | GroundH2O | ug/L | |
| | | 4-Nitrophenol | < 50 | 50 | GroundH2O | ug/L | |
| | | Diethyl phthalate | < 10 | 10 | GroundH2O | ug/L | |
| | | Carbofuran | < 10 | 10 | GroundH2O | ug/L | |
| | | Pentachlorophenol | < 50 | 50 | GroundH2O | ug/L | |
| | | Phenanthrene | < 10 | 10 | GroundH2O | ug/L | |
| | | Di-n-butylphthalate | < 10 | 10 | GroundH2O | ug/L | |
| | | Butylbenzylphthalate | < 10 | 10 | GroundH2O | ug/L | |
| | | Bis(2-ethylhexyl)phthalate | < 4.0 | 4.0 | GroundH2O | ug/L | |

Sample Date: 29-MAR-95
Extract Date: 31-MAR-95
Analysis Date: 07-APR-95

Chk'd: Kab App'd: CAW
Date App'd: 4.10.95

WI Lab Certification ID#: 113138300

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SEMIVOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Compound | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-012 | GWG119A | Phenol | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | 3&4-Methylphenol | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Nitrobenzene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Isophorone | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | 2,4-Dimethylphenol | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Bis(2-chloroethoxy)methane | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Benzoic Acid | < 57 | 50 | GroundH2O | ug/L | A1 |
| | | Naphthalene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Hexachlorobutadiene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | 2-Chloronaphthalene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Dimethyl phthalate | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | 4-Nitrophenol | < 57 | 50 | GroundH2O | ug/L | A1 |
| | | Diethyl phthalate | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Carbofuran | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Pentachlorophenol | < 57 | 50 | GroundH2O | ug/L | A1 |
| | | Phenanthrene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Di-n-butylphthalate | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Butylbenzylphthalate | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Bis(2-ethylhexyl)phthalate | 17 | 4.0 | GroundH2O | ug/L | A17 |

Sample Date: 29-MAR-95
Extract Date: 31-MAR-95
Analysis Date: 07-APR-95

Chk'd: [illegible] App'd: [illegible]
Date App'd: 4.20.95

WI Lab Certification ID#: 113138300

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SEMIVOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Compound | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-013 | GWG119 | Phenol | < 10 | 10 | GroundH2O | ug/L | |
| | | 3&4-Methylphenol | < 10 | 10 | GroundH2O | ug/L | |
| | | Nitrobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | Isophorone | < 10 | 10 | GroundH2O | ug/L | |
| | | 2,4-Dimethylphenol | < 10 | 10 | GroundH2O | ug/L | |
| | | Bis(2-chloroethoxy)methane | < 10 | 10 | GroundH2O | ug/L | |
| | | Benzoic Acid | < 52 | 50 | GroundH2O | ug/L | A1 |
| | | Naphthalene | < 10 | 10 | GroundH2O | ug/L | |
| | | Hexachlorobutadiene | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Chloronaphthalene | < 10 | 10 | GroundH2O | ug/L | |
| | | Dimethyl phthalate | < 10 | 10 | GroundH2O | ug/L | |
| | | 4-Nitrophenol | < 52 | 50 | GroundH2O | ug/L | A1 |
| | | Diethyl phthalate | < 10 | 10 | GroundH2O | ug/L | |
| | | Carbofuran | < 10 | 10 | GroundH2O | ug/L | |
| | | Pentachlorophenol | < 52 | 50 | GroundH2O | ug/L | A1 |
| | | Phenanthrene | < 10 | 10 | GroundH2O | ug/L | |
| | | Di-n-butylphthalate | < 10 | 10 | GroundH2O | ug/L | |
| | | Butylbenzylphthalate | < 10 | 10 | GroundH2O | ug/L | |
| | | Bis(2-ethylhexyl)phthalate | < 4.2 | 4.0 | GroundH2O | ug/L | A1 |

Sample Date: 29-MAR-95
Extract Date: 31-MAR-95
Analysis Date: 07-APR-95

Chk'd: App'd: CAW
Date App'd: 4.20.95

WI Lab Certification ID#: 113138300

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SEMIVOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Compound | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-014 | GWG115 | Phenol | < 10 | 10 | GroundH2O | ug/L | |
| | | 3&4-Methylphenol | < 10 | 10 | GroundH2O | ug/L | |
| | | Nitrobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | Isophorone | < 10 | 10 | GroundH2O | ug/L | |
| | | 2,4-Dimethylphenol | < 10 | 10 | GroundH2O | ug/L | |
| | | Bis(2-chloroethoxy)methane | < 10 | 10 | GroundH2O | ug/L | |
| | | Benzoic Acid | < 52 | 50 | GroundH2O | ug/L | A1 |
| | | Naphthalene | < 10 | 10 | GroundH2O | ug/L | |
| | | Hexachlorobutadiene | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Chloronaphthalene | < 10 | 10 | GroundH2O | ug/L | |
| | | Dimethyl phthalate | < 10 | 10 | GroundH2O | ug/L | |
| | | 4-Nitrophenol | < 52 | 50 | GroundH2O | ug/L | A1 |
| | | Diethyl phthalate | < 10 | 10 | GroundH2O | ug/L | |
| | | Carbofuran | < 10 | 10 | GroundH2O | ug/L | |
| | | Pentachlorophenol | < 52 | 50 | GroundH2O | ug/L | A1 |
| | | Phenanthrene | < 10 | 10 | GroundH2O | ug/L | |
| | | Di-n-butylphthalate | < 10 | 10 | GroundH2O | ug/L | |
| | | Butylbenzylphthalate | < 10 | 10 | GroundH2O | ug/L | |
| | | Bis(2-ethylhexyl)phthalate | 6.0 | 4.0 | GroundH2O | ug/L | A17 |

Sample Date: 29-MAR-95
Extract Date: 31-MAR-95
Analysis Date: 07-APR-95

Chk'd: [illegible] App'd: CAW
Date App'd: 4-20-95

WI Lab Certification ID#: 113138300

MONTGOMERY WATSON
Analytical Testing Services

University Research Park
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Madison, Wisconsin 53711
Tel: 608 231 4747 • Fax: 608 231 4777

SEMIVOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Compound | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-015 | GWG36 | Phenol | < 10 | 10 | GroundH2O | ug/L | |
| | | 3&4-Methylphenol | < 10 | 10 | GroundH2O | ug/L | |
| | | Nitrobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | Isophorone | < 10 | 10 | GroundH2O | ug/L | |
| | | 2,4-Dimethylphenol | < 10 | 10 | GroundH2O | ug/L | |
| | | Bis(2-chloroethoxy)methane | < 10 | 10 | GroundH2O | ug/L | |
| | | Benzoic Acid | < 50 | 50 | GroundH2O | ug/L | |
| | | Naphthalene | < 10 | 10 | GroundH2O | ug/L | |
| | | Hexachlorobutadiene | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Chloronaphthalene | < 10 | 10 | GroundH2O | ug/L | |
| | | Dimethyl phthalate | < 10 | 10 | GroundH2O | ug/L | |
| | | 4-Nitrophenol | < 50 | 50 | GroundH2O | ug/L | |
| | | Diethyl phthalate | < 10 | 10 | GroundH2O | ug/L | |
| | | Carbofuran | < 10 | 10 | GroundH2O | ug/L | |
| | | Pentachlorophenol | < 50 | 50 | GroundH2O | ug/L | |
| | | Phenanthrene | < 10 | 10 | GroundH2O | ug/L | |
| | | Di-n-butylphthalate | < 10 | 10 | GroundH2O | ug/L | |
| | | Butylbenzylphthalate | < 10 | 10 | GroundH2O | ug/L | |
| | | Bis(2-ethylhexyl)phthalate | < 4.0 | 4.0 | GroundH2O | ug/L | |

Sample Date: 29-MAR-95
Extract Date: 31-MAR-95
Analysis Date: 07-APR-95

Chk'd: App'd:
Date App'd: 4.20.95

WI Lab Certification ID#: 113138300

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SEMIVOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Compound | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-016 | GWG130 | Phenol | < 10 | 10 | GroundH2O | ug/L | |
| | | 3&4-Methylphenol | < 10 | 10 | GroundH2O | ug/L | |
| | | Nitrobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | Isophorone | < 10 | 10 | GroundH2O | ug/L | |
| | | 2,4-Dimethylphenol | < 10 | 10 | GroundH2O | ug/L | |
| | | Bis(2-chloroethoxy)methane | < 10 | 10 | GroundH2O | ug/L | |
| | | Benzoic Acid | < 51 | 50 | GroundH2O | ug/L | A1 |
| | | Naphthalene | < 10 | 10 | GroundH2O | ug/L | |
| | | Hexachlorobutadiene | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Chloronaphthalene | < 10 | 10 | GroundH2O | ug/L | |
| | | Dimethyl phthalate | < 10 | 10 | GroundH2O | ug/L | |
| | | 4-Nitrophenol | < 51 | 50 | GroundH2O | ug/L | A1 |
| | | Diethyl phthalate | < 10 | 10 | GroundH2O | ug/L | |
| | | Carbofuran | < 10 | 10 | GroundH2O | ug/L | |
| | | Pentachlorophenol | < 51 | 50 | GroundH2O | ug/L | A1 |
| | | Phenanthrene | < 10 | 10 | GroundH2O | ug/L | |
| | | Di-n-butylphthalate | < 10 | 10 | GroundH2O | ug/L | |
| | | Butylbenzylphthalate | < 10 | 10 | GroundH2O | ug/L | |
| | | Bis(2-ethylhexyl)phthalate | < 4.0 | 4.0 | GroundH2O | ug/L | |

Sample Date: 29-MAR-95
Extract Date: 31-MAR-95
Analysis Date: 07-APR-95

Chk'd: Kab App'd: CHW
Date App'd: 4.20.95

WI Lab Certification ID#: 113138300

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SEMIVOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Compound | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-017 | GWG130A | Phenol | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | 3&4-Methylphenol | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Nitrobenzene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Isophorone | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | 2,4-Dimethylphenol | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Bis(2-chloroethoxy)methane | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Benzoic Acid | < 57 | 50 | GroundH2O | ug/L | A1 |
| | | Naphthalene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Hexachlorobutadiene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | 2-Chloronaphthalene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Dimethyl phthalate | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | 4-Nitrophenol | < 57 | 50 | GroundH2O | ug/L | A1 |
| | | Diethyl phthalate | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Carbofuran | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Pentachlorophenol | < 57 | 50 | GroundH2O | ug/L | A1 |
| | | Phenanthrene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Di-n-butylphthalate | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Butylbenzylphthalate | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Bis(2-ethylhexyl)phthalate | 7.0 | 4.0 | GroundH2O | ug/L | |

Sample Date: 29-MAR-95
Extract Date: 03-APR-95
Analysis Date: 06-APR-95

Chk'd: [illegible] App'd: CAW
Date App'd: 4.20.95

WI Lab Certification ID#: 113138300

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SEMIVOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Compound | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-018 | GWG33S | Phenol | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | 3&4-Methylphenol | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Nitrobenzene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Isophorone | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | 2,4-Dimethylphenol | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Bis(2-chloroethoxy)methane | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Benzoic Acid | < 53 | 50 | GroundH2O | ug/L | A1 |
| | | Naphthalene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Hexachlorobutadiene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | 2-Chloronaphthalene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Dimethyl phthalate | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | 4-Nitrophenol | < 53 | 50 | GroundH2O | ug/L | A1 |
| | | Diethyl phthalate | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Carbofuran | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Pentachlorophenol | < 53 | 50 | GroundH2O | ug/L | A1 |
| | | Phenanthrene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Di-n-butylphthalate | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Butylbenzylphthalate | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Bis(2-ethylhexyl)phthalate | < 4.2 | 4.0 | GroundH2O | ug/L | A1 |

Sample Date: 29-MAR-95
Extract Date: 03-APR-95
Analysis Date: 06-APR-95

Chk'd: Kab App'd: CAW
Date App'd: 4-20-95

WI Lab Certification ID#: 113138300

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SEMIVOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Compound | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-019 | GWG33D | Phenol | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | 3&4-Methylphenol | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Nitrobenzene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Isophorone | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | 2,4-Dimethylphenol | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Bis(2-chloroethoxy)methane | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Benzoic Acid | < 53 | 50 | GroundH2O | ug/L | A1 |
| | | Naphthalene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Hexachlorobutadiene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | 2-Chloronaphthalene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Dimethyl phthalate | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | 4-Nitrophenol | < 53 | 50 | GroundH2O | ug/L | A1 |
| | | Diethyl phthalate | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Carbofuran | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Pentachlorophenol | < 53 | 50 | GroundH2O | ug/L | A1 |
| | | Phenanthrene | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Di-n-butylphthalate | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Butylbenzylphthalate | < 11 | 10 | GroundH2O | ug/L | A1 |
| | | Bis(2-ethylhexyl)phthalate | 6.0 | 4.0 | GroundH2O | ug/L | |

Sample Date: 29-MAR-95
Extract Date: 03-APR-95
Analysis Date: 06-APR-95

Chk'd: KeK App'd: CAW
Date App'd: 4/20/95

WI Lab Certification ID#: 113138300

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SEMIVOLATILE ORGANIC REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Compound | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-020 | GWG118A | Phenol | < 10 | 10 | GroundH2O | ug/L | |
| | | 3&4-Methylphenol | < 10 | 10 | GroundH2O | ug/L | |
| | | Nitrobenzene | < 10 | 10 | GroundH2O | ug/L | |
| | | Isophorone | < 10 | 10 | GroundH2O | ug/L | |
| | | 2,4-Dimethylphenol | < 10 | 10 | GroundH2O | ug/L | |
| | | Bis(2-chloroethoxy)methane | < 10 | 10 | GroundH2O | ug/L | |
| | | Benzoic Acid | < 52 | 50 | GroundH2O | ug/L | A1 |
| | | Naphthalene | < 10 | 10 | GroundH2O | ug/L | |
| | | Hexachlorobutadiene | < 10 | 10 | GroundH2O | ug/L | |
| | | 2-Chloronaphthalene | < 10 | 10 | GroundH2O | ug/L | |
| | | Dimethyl phthalate | < 10 | 10 | GroundH2O | ug/L | |
| | | 4-Nitrophenol | < 52 | 50 | GroundH2O | ug/L | A1 |
| | | Diethyl phthalate | < 10 | 10 | GroundH2O | ug/L | |
| | | Carbofuran | < 10 | 10 | GroundH2O | ug/L | |
| | | Pentachlorophenol | < 52 | 50 | GroundH2O | ug/L | A1 |
| | | Phenanthrene | < 10 | 10 | GroundH2O | ug/L | |
| | | Di-n-butylphthalate | < 10 | 10 | GroundH2O | ug/L | |
| | | Butylbenzylphthalate | < 10 | 10 | GroundH2O | ug/L | |
| | | Bis(2-ethylhexyl)phthalate | < 4.2 | 4.0 | GroundH2O | ug/L | A1 |

Sample Date: 29-MAR-95
Extract Date: 03-APR-95
Analysis Date: 06-APR-95

Chk'd: [illegible] App'd: [illegible]
Date App'd: 4.20.95

WI Lab Certification ID#: 113138300

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PESTICIDE/PCB REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Compound | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-001 | GWP1 | alpha-BHC | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | beta-BHC | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | delta-BHC | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | gamma-BHC (Lindane) | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | Heptachlor | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | Aldrin | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | Heptachlor epoxide | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | Endosulfan I | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | Dieldrin | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | p,p'-DDE | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | Endrin | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | Endosulfan II | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | p,p'-DDD | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | Endosulfan sulfate | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | p,p'-DDT | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | Endrin ketone | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | Methoxychlor | < 0.50 | 0.50 | GroundH2O | ug/L | |
| | | Endrin aldehyde | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | Chlordane (Technical) | < 0.50 | 0.50 | GroundH2O | ug/L | |
| | | Toxaphene | < 1.0 | 1.0 | GroundH2O | ug/L | |
| | | PCB-1016 | < 0.50 | 0.50 | GroundH2O | ug/L | |
| | | PCB-1221 | < 1.0 | 1.0 | GroundH2O | ug/L | |
| | | PCB-1232 | < 1.0 | 1.0 | GroundH2O | ug/L | |
| | | PCB-1242 | < 0.50 | 0.50 | GroundH2O | ug/L | |
| | | PCB-1248 | < 0.50 | 0.50 | GroundH2O | ug/L | |
| | | PCB-1254 | < 1.0 | 1.0 | GroundH2O | ug/L | |
| | | PCB-1260 | < 1.0 | 1.0 | GroundH2O | ug/L | |
| | | Alachlor | < 0.20 | 0.20 | GroundH2O | ug/L | |

Sample Date: 28-MAR-95
Extract Date: 04-APR-95
Analysis Date: 04, 05-APR-95

Chk'd: App'd:
Date App'd: 4.20.95

WI Lab Certification ID#: 113138300

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PESTICIDE/PCB REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Compound | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-002 | GWMW106 | alpha-BHC | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | beta-BHC | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | delta-BHC | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | gamma-BHC (Lindane) | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | Heptachlor | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | Aldrin | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | Heptachlor epoxide | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | Endosulfan I | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | Dieldrin | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | p,p'-DDE | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | Endrin | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | Endosulfan II | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | p,p'-DDD | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | Endosulfan sulfate | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | p,p'-DDT | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | Endrin ketone | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | Methoxychlor | < 0.50 | 0.50 | GroundH2O | ug/L | |
| | | Endrin aldehyde | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | Chlordane (Technical) | < 0.50 | 0.50 | GroundH2O | ug/L | |
| | | Toxaphene | < 1.0 | 1.0 | GroundH2O | ug/L | |
| | | PCB-1016 | < 0.50 | 0.50 | GroundH2O | ug/L | |
| | | PCB-1221 | < 1.0 | 1.0 | GroundH2O | ug/L | |
| | | PCB-1232 | < 1.0 | 1.0 | GroundH2O | ug/L | |
| | | PCB-1242 | < 0.50 | 0.50 | GroundH2O | ug/L | |
| | | PCB-1248 | < 0.50 | 0.50 | GroundH2O | ug/L | |
| | | PCB-1254 | < 1.0 | 1.0 | GroundH2O | ug/L | |
| | | PCB-1260 | < 1.0 | 1.0 | GroundH2O | ug/L | |
| | | Alachlor | < 0.20 | 0.20 | GroundH2O | ug/L | |

Sample Date: 28-MAR-95
Extract Date: 04-APR-95
Analysis Date: 04, 05-APR-95

Chk'd: App'd:
Date App'd:

WI Lab Certification ID#: 113138300

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PESTICIDE/PCB REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Compound | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-003 | GWG35S | alpha-BHC | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | beta-BHC | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | delta-BHC | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | gamma-BHC (Lindane) | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | Heptachlor | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | Aldrin | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | Heptachlor epoxide | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | Endosulfan I | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | Dieldrin | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | p,p'-DDE | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | Endrin | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | Endosulfan II | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | p,p'-DDD | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | Endosulfan sulfate | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | p,p'-DDT | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | Endrin ketone | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | Methoxychlor | < 0.50 | 0.50 | GroundH2O | ug/L | |
| | | Endrin aldehyde | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | Chlordane (Technical) | < 0.50 | 0.50 | GroundH2O | ug/L | |
| | | Toxaphene | < 1.0 | 1.0 | GroundH2O | ug/L | |
| | | PCB-1016 | < 0.50 | 0.50 | GroundH2O | ug/L | |
| | | PCB-1221 | < 1.0 | 1.0 | GroundH2O | ug/L | |
| | | PCB-1232 | < 1.0 | 1.0 | GroundH2O | ug/L | |
| | | PCB-1242 | < 0.50 | 0.50 | GroundH2O | ug/L | |
| | | PCB-1248 | < 0.50 | 0.50 | GroundH2O | ug/L | |
| | | PCB-1254 | < 1.0 | 1.0 | GroundH2O | ug/L | |
| | | PCB-1260 | < 1.0 | 1.0 | GroundH2O | ug/L | |
| | | Alachlor | < 0.20 | 0.20 | GroundH2O | ug/L | |

Sample Date: 28-MAR-95
Extract Date: 04-APR-95
Analysis Date: 04, 05-APR-95

Chk'd: Kak App'd: CHW
Date App'd: 4.26.95

WI Lab Certification ID#: 113138300

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PESTICIDE/PCB REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Compound | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-004 | GWG35D | alpha-BHC | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | beta-BHC | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | delta-BHC | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | gamma-BHC (Lindane) | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | Heptachlor | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | Aldrin | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | Heptachlor epoxide | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | Endosulfan I | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | Dieldrin | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | p,p'-DDE | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | Endrin | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | Endosulfan II | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | p,p'-DDD | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | Endosulfan sulfate | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | p,p'-DDT | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | Endrin ketone | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | Methoxychlor | < 0.50 | 0.50 | GroundH2O | ug/L | |
| | | Endrin aldehyde | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | Chlordane (Technical) | < 0.50 | 0.50 | GroundH2O | ug/L | |
| | | Toxaphene | < 1.0 | 1.0 | GroundH2O | ug/L | |
| | | PCB-1016 | < 0.50 | 0.50 | GroundH2O | ug/L | |
| | | PCB-1221 | < 1.0 | 1.0 | GroundH2O | ug/L | |
| | | PCB-1232 | < 1.0 | 1.0 | GroundH2O | ug/L | |
| | | PCB-1242 | < 0.50 | 0.50 | GroundH2O | ug/L | |
| | | PCB-1248 | < 0.50 | 0.50 | GroundH2O | ug/L | |
| | | PCB-1254 | < 1.0 | 1.0 | GroundH2O | ug/L | |
| | | PCB-1260 | < 1.0 | 1.0 | GroundH2O | ug/L | |
| | | Alachlor | < 0.20 | 0.20 | GroundH2O | ug/L | |

Sample Date: 28-MAR-95
Extract Date: 04-APR-95
Analysis Date: 04, 05-APR-95

Chk'd: [illegible] App'd: [illegible]
Date App'd: 4/26/95

WI Lab Certification ID#: 113138300

**MONTGOMERY WATSON**
Analytical Testing Services

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PESTICIDE/PCB REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Compound | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-005 | GWG132 | alpha-BHC | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | beta-BHC | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | delta-BHC | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | gamma-BHC (Lindane) | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | Heptachlor | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | Aldrin | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | Heptachlor epoxide | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | Endosulfan I | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | Dieldrin | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | p,p'-DDE | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | Endrin | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | Endosulfan II | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | p,p'-DDD | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | Endosulfan sulfate | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | p,p'-DDT | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | Endrin ketone | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | Methoxychlor | < 0.50 | 0.50 | GroundH2O | ug/L | |
| | | Endrin aldehyde | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | Chlordane (Technical) | < 0.50 | 0.50 | GroundH2O | ug/L | |
| | | Toxaphene | < 1.0 | 1.0 | GroundH2O | ug/L | |
| | | PCB-1016 | < 0.50 | 0.50 | GroundH2O | ug/L | |
| | | PCB-1221 | < 1.0 | 1.0 | GroundH2O | ug/L | |
| | | PCB-1232 | < 1.0 | 1.0 | GroundH2O | ug/L | |
| | | PCB-1242 | < 0.50 | 0.50 | GroundH2O | ug/L | |
| | | PCB-1248 | < 0.50 | 0.50 | GroundH2O | ug/L | |
| | | PCB-1254 | < 1.0 | 1.0 | GroundH2O | ug/L | |
| | | PCB-1260 | < 1.0 | 1.0 | GroundH2O | ug/L | |
| | | Alachlor | < 0.20 | 0.20 | GroundH2O | ug/L | |

Sample Date: 28-MAR-95
Extract Date: 04-APR-95
Analysis Date: 04, 05-APR-95

Chk'd: App'd:
Date App'd: 4.21.95

WI Lab Certification ID#: 113138300

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PESTICIDE/PCB REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Compound | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-006 | GWB15P | alpha-BHC | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | beta-BHC | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | delta-BHC | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | gamma-BHC (Lindane) | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | Heptachlor | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | Aldrin | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | Heptachlor epoxide | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | Endosulfan I | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | Dieldrin | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | p,p'-DDE | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | Endrin | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | Endosulfan II | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | p,p'-DDD | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | Endosulfan sulfate | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | p,p'-DDT | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | Endrin ketone | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | Methoxychlor | < 0.50 | 0.50 | GroundH2O | ug/L | |
| | | Endrin aldehyde | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | Chlordane (Technical) | < 0.50 | 0.50 | GroundH2O | ug/L | |
| | | Toxaphene | < 1.0 | 1.0 | GroundH2O | ug/L | |
| | | PCB-1016 | < 0.50 | 0.50 | GroundH2O | ug/L | |
| | | PCB-1221 | < 1.0 | 1.0 | GroundH2O | ug/L | |
| | | PCB-1232 | < 1.0 | 1.0 | GroundH2O | ug/L | |
| | | PCB-1242 | < 0.50 | 0.50 | GroundH2O | ug/L | |
| | | PCB-1248 | < 0.50 | 0.50 | GroundH2O | ug/L | |
| | | PCB-1254 | < 1.0 | 1.0 | GroundH2O | ug/L | |
| | | PCB-1260 | < 1.0 | 1.0 | GroundH2O | ug/L | |
| | | Alachlor | < 0.20 | 0.20 | GroundH2O | ug/L | |

Sample Date: 28-MAR-95
Extract Date: 04-APR-95
Analysis Date: 04, 05-APR-95

Chk'd: [illegible] App'd: [illegible]
Date App'd: 4.20.95

WI Lab Certification ID#: 113138300

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PESTICIDE/PCB REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Compound | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-007 | GWB15R | alpha-BHC | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | beta-BHC | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | delta-BHC | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | gamma-BHC (Lindane) | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | Heptachlor | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | Aldrin | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | Heptachlor epoxide | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | Endosulfan I | < 0.050 | 0.050 | GroundH2O | ug/L | |
| | | Dieldrin | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | p,p'-DDE | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | Endrin | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | Endosulfan II | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | p,p'-DDD | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | Endosulfan sulfate | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | p,p'-DDT | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | Endrin ketone | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | Methoxychlor | < 0.50 | 0.50 | GroundH2O | ug/L | |
| | | Endrin aldehyde | < 0.10 | 0.10 | GroundH2O | ug/L | |
| | | Chlordane (Technical) | < 0.50 | 0.50 | GroundH2O | ug/L | |
| | | Toxaphene | < 1.0 | 1.0 | GroundH2O | ug/L | |
| | | PCB-1016 | < 0.50 | 0.50 | GroundH2O | ug/L | |
| | | PCB-1221 | < 1.0 | 1.0 | GroundH2O | ug/L | |
| | | PCB-1232 | < 1.0 | 1.0 | GroundH2O | ug/L | |
| | | PCB-1242 | < 0.50 | 0.50 | GroundH2O | ug/L | |
| | | PCB-1248 | < 0.50 | 0.50 | GroundH2O | ug/L | |
| | | PCB-1254 | < 1.0 | 1.0 | GroundH2O | ug/L | |
| | | PCB-1260 | < 1.0 | 1.0 | GroundH2O | ug/L | |
| | | Alachlor | < 0.20 | 0.20 | GroundH2O | ug/L | |

Sample Date: 28-MAR-95
Extract Date: 04-APR-95
Analysis Date: 04, 05-APR-95

Chk'd: App'd:
Date App'd: 4.10.95

WI Lab Certification ID#: 113138300

**MONTGOMERY WATSON**
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HERBICIDE REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Compound | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-001 | GWP1 | 2,4-D | < 0.50 | 0.50 | GroundH2O | ug/L | |
| | | 2,4,5-TP(silvex) | < 0.25 | 0.25 | GroundH2O | ug/L | |
| | | 2,4,5-T | < 0.25 | 0.25 | GroundH2O | ug/L | |
| | | Sample Date: 28-MAR-95 | | | | | |
| | | Extract Date: 03-APR-95 | | | | | |
| | | Analysis Date: 08-APR-95 | | | | | |
| L10438-002 | GWMW106 | 2,4-D | < 0.50 | 0.50 | GroundH2O | ug/L | |
| | | 2,4,5-TP(silvex) | < 0.25 | 0.25 | GroundH2O | ug/L | |
| | | 2,4,5-T | < 0.25 | 0.25 | GroundH2O | ug/L | |
| | | Sample Date: 28-MAR-95 | | | | | |
| | | Extract Date: 03-APR-95 | | | | | |
| | | Analysis Date: 08-APR-95 | | | | | |
| L10438-003 | GWG35S | 2,4-D | < 0.50 | 0.50 | GroundH2O | ug/L | |
| | | 2,4,5-TP(silvex) | < 0.25 | 0.25 | GroundH2O | ug/L | |
| | | 2,4,5-T | < 0.25 | 0.25 | GroundH2O | ug/L | |
| | | Sample Date: 28-MAR-95 | | | | | |
| | | Extract Date: 03-APR-95 | | | | | |
| | | Analysis Date: 08-APR-95 | | | | | |
| L10438-004 | GWG35D | 2,4-D | < 0.50 | 0.50 | GroundH2O | ug/L | |
| | | 2,4,5-TP(silvex) | < 0.25 | 0.25 | GroundH2O | ug/L | |
| | | 2,4,5-T | < 0.25 | 0.25 | GroundH2O | ug/L | |
| | | Sample Date: 28-MAR-95 | | | | | |
| | | Extract Date: 03-APR-95 | | | | | |
| | | Analysis Date: 08-APR-95 | | | | | |
| L10438-005 | GWG132 | 2,4-D | < 0.50 | 0.50 | GroundH2O | ug/L | |
| | | 2,4,5-TP(silvex) | < 0.25 | 0.25 | GroundH2O | ug/L | |
| | | 2,4,5-T | < 0.25 | 0.25 | GroundH2O | ug/L | |
| | | Sample Date: 28-MAR-95 | | | | | |
| | | Extract Date: 03-APR-95 | | | | | |
| | | Analysis Date: 08-APR-95 | | | | | |

Chk'd: App'd:
Date App'd: 4-20-95

WI Lab Certification ID#: 113138300

**MONTGOMERY WATSON**
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HERBICIDE REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.0031

| Sample # | Description | Compound | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-006 | GWB15P | 2,4-D | < 0.50 | 0.50 | GroundH2O | ug/L | |
| | | 2,4,5-TP(silvex) | < 0.25 | 0.25 | GroundH2O | ug/L | |
| | | 2,4,5-T | < 0.25 | 0.25 | GroundH2O | ug/L | |
| | | Sample Date: 28-MAR-95 | | | | | |
| | | Extract Date: 03-APR-95 | | | | | |
| | | Analysis Date: 08-APR-95 | | | | | |
| L10438-007 | GWB15R | 2,4-D | < 0.50 | 0.50 | GroundH2O | ug/L | |
| | | 2,4,5-TP(silvex) | < 0.25 | 0.25 | GroundH2O | ug/L | |
| | | 2,4,5-T | < 0.25 | 0.25 | GroundH2O | ug/L | |
| | | Sample Date: 28-MAR-95 | | | | | |
| | | Extract Date: 03-APR-95 | | | | | |
| | | Analysis Date: 08-APR-95 | | | | | |

Chk'd: Kak App'd: LAO
Date App'd: 4.20.95

WI Lab Certification ID#: 113138300

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HERBICIDE REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-001 | GWP1 | Alachlor | < 1 | 1 | GroundH2O | ug/L | |
| | | Atrazine | < 0.5 | 0.5 | GroundH2O | ug/L | |
| | | Parathion | < 0.5 | 0.5 | GroundH2O | ug/L | |
| | | Sample Date: 28-MAR-95 | | | | | |
| | | Extract Date: 31-MAR-95 | | | | | |
| | | Analysis Date: 05-APR-95 | | | | | |
| L10438-002 | GWMW106 | Alachlor | < 1 | 1 | GroundH2O | ug/L | |
| | | Atrazine | < 0.5 | 0.5 | GroundH2O | ug/L | |
| | | Parathion | < 0.5 | 0.5 | GroundH2O | ug/L | |
| | | Sample Date: 28-MAR-95 | | | | | |
| | | Extract Date: 31-MAR-95 | | | | | |
| | | Analysis Date: 05-APR-95 | | | | | |
| L10438-003 | GWG35S | Alachlor | < 1 | 1 | GroundH2O | ug/L | |
| | | Atrazine | < 0.5 | 0.5 | GroundH2O | ug/L | |
| | | Parathion | < 0.5 | 0.5 | GroundH2O | ug/L | |
| | | Sample Date: 28-MAR-95 | | | | | |
| | | Extract Date: 31-MAR-95 | | | | | |
| | | Analysis Date: 05-APR-95 | | | | | |
| L10438-004 | GWG35D | Alachlor | < 1 | 1 | GroundH2O | ug/L | |
| | | Atrazine | < 0.5 | 0.5 | GroundH2O | ug/L | |
| | | Parathion | < 0.5 | 0.5 | GroundH2O | ug/L | |
| | | Sample Date: 28-MAR-95 | | | | | |
| | | Extract Date: 31-MAR-95 | | | | | |
| | | Analysis Date: 06-APR-95 | | | | | |

Chk'd: K-k App'd: CAW
Date App'd: 4.20.95

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HERBICIDE REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-005 | GWG132 | Alachlor | < 1 | 1 | GroundH2O | ug/L | |
| | | Atrazine | < 0.5 | 0.5 | GroundH2O | ug/L | |
| | | Parathion | < 0.5 | 0.5 | GroundH2O | ug/L | |
| | | Sample Date: 28-MAR-95 | | | | | |
| | | Extract Date: 31-MAR-95 | | | | | |
| | | Analysis Date: 05-APR-95 | | | | | |
| L10438-006 | GWB15P | Alachlor | < 1 | 1 | GroundH2O | ug/L | |
| | | Atrazine | < 0.5 | 0.5 | GroundH2O | ug/L | |
| | | Parathion | < 0.5 | 0.5 | GroundH2O | ug/L | |
| | | Sample Date: 28-MAR-95 | | | | | |
| | | Extract Date: 31-MAR-95 | | | | | |
| | | Analysis Date: 05-APR-95 | | | | | |
| L10438-007 | GWB15R | Alachlor | < 1 | 1 | GroundH2O | ug/L | |
| | | Atrazine | < 0.5 | 0.5 | GroundH2O | ug/L | |
| | | Parathion | < 0.5 | 0.5 | GroundH2O | ug/L | |
| | | Sample Date: 28-MAR-95 | | | | | |
| | | Extract Date: 31-MAR-95 | | | | | |
| | | Analysis Date: 05-APR-95 | | | | | |

Chk'd: App'd:
Date App'd: 4.20.95

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HERBICIDE REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|---|
| L10438-001 | GWP1 | Aldicarb | | < 1 | 1 | GroundH2O | ug/L | |
| | | Sample Date: | 28-MAR-95 | | | | | |
| | | Extract Date: | 31-MAR-95 | | | | | |
| | | Analysis Date: | 14-APR-95 | | | | | |
| L10438-002 | GWMW106 | Aldicarb | | < 1 | 1 | GroundH2O | ug/L | |
| | | Sample Date: | 28-MAR-95 | | | | | |
| | | Extract Date: | 31-MAR-95 | | | | | |
| | | Analysis Date: | 14-APR-95 | | | | | |
| L10438-003 | GWG35S | Aldicarb | | < 1 | 1 | GroundH2O | ug/L | |
| | | Sample Date: | 28-MAR-95 | | | | | |
| | | Extract Date: | 31-MAR-95 | | | | | |
| | | Analysis Date: | 14-APR-95 | | | | | |
| L10438-004 | GWG35D | Aldicarb | | < 1 | 1 | GroundH2O | ug/L | |
| | | Sample Date: | 28-MAR-95 | | | | | |
| | | Extract Date: | 31-MAR-95 | | | | | |
| | | Analysis Date: | 14-APR-95 | | | | | |
| L10438-005 | GWG132 | Aldicarb | | < 1 | 1 | GroundH2O | ug/L | |
| | | Sample Date: | 28-MAR-95 | | | | | |
| | | Extract Date: | 31-MAR-95 | | | | | |
| | | Analysis Date: | 14-APR-95 | | | | | |
| L10438-006 | GWB15P | Aldicarb | | < 1 | 1 | GroundH2O | ug/L | |
| | | Sample Date: | 28-MAR-95 | | | | | |
| | | Extract Date: | 31-MAR-95 | | | | | |
| | | Analysis Date: | 14-APR-95 | | | | | |

Chk'd: Kak App'd: CAW
Date App'd: 4-20-95

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HERBICIDE REPORT
WINNEBAGO LANDFILL-PROGRAM 2
ROCKFORD IL
Project Number: 4122.003

| Sample # | Description | Test | Result | Reporting Limit | Matrix | Units | Footnotes |
|---|---|---|---|---|---|---|---|
| L10438-007 | GWB15R | Aldicarb | < 1 | 1 | GroundH2O | ug/L | |

Sample Date: 28-MAR-95
Extract Date: 31-MAR-95
Analysis Date: 14-APR-95

Chk'd: App'd:
Date App'd: 4.20.95

– LEACHATE WELL – Program
LISTS: 1, 2, 3 and 4



| Name of Sampler | Sample No. | TD | T.O.C. Elev. | Depth to Water | GW Elev. | Odor | Color | Turb. | Time Purged | Volume Purged | Well Capacity | Time Sampled | pH | COND ~~Comments~~ | Temp |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dup/RTW | WEST. SUMP | N/A | | N/A | | Leachate | DARK BROWN | NONE | N/A | N/A | N/A | 1415 | 7.54 | 26,000 | 20.4°C |
| Dup/RTW | N1 | N/A | | N/A | | Leachate | DARK BROWN | NONE | N/A | N/A | N/A | 1600 | 7.40 | 16,000 | 15.1°C |
| Dup/RTW | E3 | N/A | | N/A | | Leachate | BROWN | NONE | N/A | N/A | N/A | 1445 | 7.40 | 17,000 | 20.7°C |
| | | | | | | | | | | | | | | | |
| Dup/RTW | G7 | N/A | | N/A | | Leachate | BROWN | NONE | N/A | N/A | N/A | 1530 | 7.45 | 15,000 | 18.7°C |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

Filter:
1-poly metals ($HNO_3$)
1-poly TDS, Chloride

Unfiltered:
4 VOAs VOCs HCL
2 Ambers 1 – SVOCs
2 Ambers 1 – PEST/PCBs
1 Amber – 1 – PEST
1-poly – BOD
1-poly – TOTAL CN (NaOH)
1-poly – TOC, COD, $NH_4$, Nitrate ($H_2SO_4$)

Sampling Device: DISPOSABLE PVC BAILER

Purging Method: SAMPLED DIRECT – NO PURGE

Cleaning Method: Form #

[jlv/Viskes/Winne-18]

PROGRAM 2

LISS: 1, 2, 3, and 4



| Name of Sampler | Sample No. | TD | T.O.C. Elev. | Depth to Water | GW Elev. | Odor | Color | Turb. | Time Purged | Volume Purged | Well Capacity | Time Sampled | pH | COND. ~~Comments~~ | Temp |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MOR | MW 106 | 62.00 | | 18.80 | | MUSTY | Yellowish Brown | moderate | 12:00 | 22 gallons | 7.2 gallons | 12:25 | 7.31 | 3100 | 7.1°C |
| RTW | P1 | 37.74 | | 20.62 | | MUSTY | Yellowish | moderate | 11:30 | 8.6 gallons | 2.85 gallons | 11:55 | 7.09 | 1600 | 15.2°C |
| RTW/LMS | B15P | 66.72 | | 35.66 | | NONE | Light Yellow | NONE | 15:00 | 16 gallons | 5.2 gallons | 15:30 | 7.47 | 500 | 12.5°C |
| RTW/LMS | B15R | 47.68 | | 38.63 | | MUSTY | Light Brown | moderate | 15:00 | 4.5 gallons | 1.5 gallons | 15:30 | 7.06 | 1700 | 12.6°C |
| Dep | G132 | 101.30 | | 20.44 | | NONE | clear | NONE | 12:15 | 41 gallons | 13.5 gallons | 12:45 | 7.89 | 500 | 7.0°C |
| MOR | G35S | 20.10 | | 7.21 | | NONE | yellow orange | very turbid | 16:30 | 6.5 gallons | 2.15 gallons | 16:45 | 7.36 | 500 | 7.8°C |
| RTW | G35D | 50.60 | | 7.26 | | NONE | orange | very turbid | 16:30 | 22 gallons | 7.2 gallons | 16:45 | 7.39 | 1700 | 9.2°C |
| Dep | G116D | 97.3 | | 5.88 | | NONE | clear | NONE | 9:00 | 46 gallons | 15.3 gallons | 9:30 | 7.11 | 450 | 8.5°C |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

Filter:
1-poly-metals ($HNO_3$)
1-poly-TDS, chloride

Unfiltered:
4 VOAs - VOCs (HCL)
2 Amber-1 - SVOCs
2 Amber-1 - Pest/PCBs
1 Amber-1 - Pests
2 Amber-1 Herbicides
1 1-poly - BOD
1 1-poly - Total Cyanide ($NaOH$)
1 1-poly - TOC, Ammonia, nitrate ($H_2SO_4$)

Sampling Device: Stainless Steel Bailer

Purging Method: Stainless Steel Bailer

Cleaning Method: Form #

[jlv/Wiskes/Winna-18]

Prg m 2

LBTS: 1, 2, 3, and 5



| Name of Sampler | Sample No. | TD | T.O.C. Elev. | Depth to Water | GW Elev. | Odor | Color | Turb. | Time Purged | Volume Purged | Well Capacity | Time Sampled | pH | Conductivity ~~Comments~~ | Temp |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAP | G117 | 26.20 | | 16.09 | | None | Light Yellow Brown | Slight to moderate | 8:00 | 5 gallons | 1.65 gallons | 8:30 | 7.39 | 1150 | 8.9°C |
| RTM | G37S | 7.30? | | 5.40 | | None | Light Brown | moderate to turbid | 8:00 | 9 gallons | .3 gallons | 845 | 7.06 | 560 | 9.2°C |
| MDR | G37D | 83.10 | | 4.30 | | None | Light Brown | moderate to turbid | 9:00 | 39 gallons | 13 gallons | 930 | 7.57 | 495 | 8.5°C |
| MDR | G119R | 23.20 | | 13.34 | | None | Yellow Orange | moderate to turbid | 1100 | 5 gallons | 1.6 gallons | 1130 | 7.63 | 500 | 9.0°C |
| RTW | G119A | 50.24 | | 13.86 | | None | Light Yellow | Weak to None | 1100 | 18 gallons | 6 gallons | 1130 | 7.28 | 500 | 9.6°C |
| DAP | G118R | 15.90 | | 9.98 | | None | Choc Brown | Very Turbid | 915 | 3 gallons | 1 gallon | 9:30 | 7.68 | 1,000 | 6.1°C |
| DAP | G118A | 45.50 | | 10.78 | | None | clear - light gray | None (weak) | 1000 | 17.5 gallons | 5.75 gallons | 1030 | 7.40 | 500 | 9.9°C |
| DAP | G115 | 23.00 | | 16.16 | | None | Dark Brown | Turbid | 1430 | 3.5 gallons | 1.1 gallons | 1500 | 6.84 | 1050 | 9.5°C |
| RTW | G130 | 16.40 | | 6.67 | | None | Choc. Brown | Turbid | 1330 | 5 gallons | 1.6 gallons | 1345 | 7.83 | 500 | 8.9°C |
| MDR | G130A | 45.65 | | 6.58 | | None | Clear | None | 1330 | 20 gallons | 6.5 gallons | 1400 | 7.76 | 500 | 9.9°C |

Filter:

1-poly-metals ($HNO_3$)
1-poly-TDS, chloride

Unfiltered:

3 VOAs - VOCs (HCl)
2-amber 1-SVOCs
1-poly - BOD
1-poly - Total CN (NaOH)
1-poly - TOC, COD, NH4, Nitrate ($H_2SO_4$)

Sampling Device: Stainless Steel Bailer

Purging Method: Stainless Steel Bailer

Cleaning Method: _____ Form # _____

[jlv/Wiskes/Winne-1B]

PROGRAM

LIBIS 1, 2, 3 and 5



| Name of Sampler | Sample No. | TD | T.O.C. Elev. | Depth to Water | GW Elev. | Odor | Color | Turb. | Time Purged | Volume Purged | Well Capacity | Time Sampled | PH | COND. ~~Comments~~ | Temp. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DOP | G36 | 40.10 | | 4.8 | | None | light yellow | moderate | 1300 | 18 gallons | 5.9 gallons | 1345 | 7.77 | 500 | 9.2°C |
| RTW | G34S | 19.72 | | 8.00 | | NONE | Yellow orange-brown | very turbid | 930 | 6 gallons | 1.9 gallons | 1000 | 7.77 | 750 | 8.0°C |
| RTW | G34D | 84.92 | | 6.88 | | None | light yellow | moderate | 1100 | 39 gallons | 13 gallons | 1150 | 7.42 | 500 | 8.5°C |
| MOR | G33S | 19.92 | | 6.48 | | None | yellow orange | very silty-turbid | 1515 | 7 gallons | 2.2 gallons | 1545 | 7.84 | 495 | 7.5°C |
| RTW | G33D | 49.20 | | 7.18 | | NONE | light yellow | moderate | 1530 | 21 gallons | 7 gallons | 1600 | 7.77 | 500 | 9.2°C |
| RTW | G116 | 15.00 | | 6.85 | | None | Yellow brown | turbid | 850 | 4.1 gallons | 1.35 gallons | 900 | 6.93 | 400 | 8.0°C |
| MOR | G116A | 45.24 | | 7.18 | | None | clear | None | 850 | 19 gallons | 6.3 gallons | 915 | 6.99 | 550 | 8.0°C |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

Filter:

l-poly Metals ($HNO_3$)
l-poly TDS, chloride

Unfiltered:

3 VOAs - VOCs (HCl)
2 - Amber l - SVOCs
l-poly - BOD
l-poly - Total Cyanide (NaOH)
l-poly - TOC, COD $NH_4$, Nitrate ($H_2SO_4$)
500ml poly - Sulfate, Alkalinity, Flouride, PH

Sampling Device: Stainless Steel Bailer

Purging Method: Stainless Steel Bailer

Cleaning Method: Form #

[jlv/Wiskes/Wilone-18]

MONTGOMERY WATSON

# CHAIN OF CUSTODY RECORD

SPECIAL INSTRUCTIONS:
- ☐ PECFA
- ☐ WI LUST
- ☐ ACT 307
- ☐ REPORT DRY WT
- ☐ OTHER:

TURNAROUND
- ☒ 2 WEEKS (standard)
- ☐ 1 WEEK
- ☐ 3 DAYS
- ☐ 1 DAY

PROJECT NAME: WINNEBAGO LOC. LANDFILL
PROJECT #: 4122.0031
CITY: ROCKFORD
STATE: ILLINOIS
SAMPLER(S): [illegible] / Randy [illegible] / Mike [illegible]

| COLLECTION DATE | COLLECTION TIME | GRAB / COMP | SAMPLE ID | NO. OF CONTAINERS | SVOCs | Pesticides / PCBs | Herbicides | Metals Dissolved | Cyanide Total | TDS, Chloride | TOC COD NH4, Nitrate | Sulfate, Alk, Fl, pH | BOD | REMARKS | LAB USE ONLY MATRIX | LAB NO. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/28/95 | 1155 | X | WRL-GWP1 | 10 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | | | GW | 10438-01 |
| 3/28/95 | 1125 | X | WRL-GWMW106 | 10 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | | | | 02 |
| 3/28/95 | 1645 | X | WRL-GWG35S | 10 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | | | | 03 |
| 3/28/95 | 1645 | X | WRL-GWG35D | 10 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | | | | 4 |
| 3/28/95 | 1245 | X | WRL-GWG132 | 10 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | | | | 5 |
| 3/28/95 | 1530 | X | WRL-GWB15P | 10 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | | | | 6 |
| 3/28/95 | 1530 | X | WRL-GWB15R | 10 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | | | | 7 |
| 3/29/95 | 830 | X | WRL-GWG117 | 8 | 2 | | | 1 | 1 | 1 | 1 | 1 | 1 | | | 8 |
| 3/29/95 | 845 | X | WRL-GWG37S | 8 | 2 | | | 1 | 1 | 1 | 1 | 1 | 1 | | | 9 |
| 3/29/95 | 930 | X | WRL-GWG37D | 8 | 2 | | | 1 | 1 | 1 | 1 | 1 | 1 | | | 10 |
| 3/29/95 | 930 | X | WRL-GWG118R | 8 | 2 | | | 1 | 1 | 1 | 1 | 1 | 1 | | | 11 |

SPECIAL INSTRUCTIONS:

RECEIVED: ☒ INTACT ☒ ON ICE TEMP _____ °F

PROJ. MGR.: SHEILA TAUSCHEK

2 WEEK TAT

$H_2SO_4$ pH < 2 $HNO_3$ pH < 2 NaOH pH > 12

Shipped to: MONTGOMERY WATSON MADISON, WISCONSIN

| SIGNATURE | PRINT NAME | COMPANY / TITLE | DATE | TIME |
|---|---|---|---|---|
| RELINQUISHED BY: | | | | |
| RECEIVED BY: | | | | |
| RELINQUISHED BY: | | | | |
| RECEIVED BY: Randy Meinhold | Randy MEINHOLD | MW Lab Supervisor | 3-30-95 | 10:00 |

C-O-C No. 010639 COC seal #'s

NAME OF COURIER: ~~Fedex~~ hand del.

AIRBILL NUMBER:

Metals = Ag, Al, As, B, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, Hg, K, Mg, Mn, Na, Ni, Pb, Sb, Se, Tl, V, Zn.

MONTGOMERY WATSON

# CHAIN OF CUSTODY RECORD

SPECIAL INSTRUCTIONS:
- [ ] PECFA
- [ ] WI LUST
- [ ] ACT 307
- [ ] REPORT DRY WT
- [ ] OTHER:

TURNAROUND
- [x] 2 WEEKS (standard)
- [ ] 1 WEEK
- [ ] 3 DAYS
- [ ] 1 DAY

PROJECT NAME: Winnebago Recl Landfill
PROJECT #: 4122.0031
CITY: Rockford
STATE: ILLINOIS
SAMPLER(S): Mike Rowe, David G. Pyll, Randy Wilson

| COLLECTION DATE | COLLECTION TIME | GRAB / COMP | SAMPLE ID | NO. OF CONTAINERS | Dissolved metals | Total Cyanide | TDS, chloride | TOC, COD, NH3, Nitrate | Sulfate, Alk, Fl, PH | BOD | SVOCs | | REMARKS | LAB USE ONLY MATRIX | LAB USE ONLY LAB NO. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/29/95 | 1030 | X | WRL-GWG118A | 8 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | | | GW | 10438-20 |
| 3/29/95 | 1130 | X | WRL-GWG119A | 8 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | | | | 12 |
| 3/29/95 | 1130 | X | WRL-GWG119 | 8 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | | | | 13 |
| 3/29/95 | 1530 | X | WRL-GWG115 | 8 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | | | | 14 |
| 3/29/95 | 1345 | X | WRL-GWG36 | 8 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | | | | 15 |
| 3/29/95 | 1345 | X | WRL-GWG130 | 8 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | | | | 16 |
| 3/29/95 | 1440 | X | WRL-GWG130A | 8 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | | | | 17 |
| 3/29/95 | 1530 | X | WRL-GWG33S | 8 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | | | | 18 |
| 3/29/95 | 1600 | X | WRL-GWG33D | 8 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | | | | 19 |
| [illegible] | MS | [illegible] | MS | | | | | | | | | | | | |
| [illegible] | | [illegible] | | | | | | | | | | | | | |

SPECIAL INSTRUCTIONS:

*2week TAT

RECEIVED: [x] INTACT [x] ON ICE TEMP _____ °F

PROJ. MGR.: Sheila Tauschek

Shipped to: Madison, WI Montgomery Watson

H2SO4PH<2 HNO3PH<2 NAOHPH>12

| SIGNATURE | PRINT NAME | COMPANY / TITLE | DATE | TIME |
|---|---|---|---|---|
| RELINQUISHED BY: | | Montgomery Watson | | |
| RECEIVED BY: | | | | |
| RELINQUISHED BY: | | | | |
| RECEIVED BY: Randy Meinholz | Randy Meinholz | M.W. Lab Layton | | |

C-O-C No. 010634

NAME OF COURIER: [signature]

AIRBILL NUMBER: _____

MONTGOMERY WATSON

# CHAIN OF CUSTODY RECORD

SPECIAL INSTRUCTIONS:
- [ ] PECFA
- [ ] WI LUST
- [ ] ACT 307
- [ ] REPORT DRY WT
- [ ] OTHER:

TURNAROUND
- [x] 2 WEEKS (standard)
- [ ] 1 WEEK
- [ ] 3 DAYS
- [ ] 1 DAY

PROJECT NAME: Winnebago Rec. Landfill
PROJECT #: 4122.0031
CITY: Rockford
STATE: Illinois
SAMPLER(S): Mike Rowe, David A. Pieczynski, Randy Melnholz

| COLLECTION DATE | COLLECTION TIME | GRAB / COMP | SAMPLE ID | NO. OF CONTAINERS | BOD | REMARKS | LAB USE ONLY MATRIX | LAB USE ONLY LAB NO. |
|---|---|---|---|---|---|---|---|---|
| 3/28/95 | 1155 | X | WRL-GWP1 | 1 | X | | GW | 10438 ~~10379~~ .01 |
| 3/28/95 | 1225 | X | WRL-GW MW106 | 1 | X | | | 02 |
| 3/28/95 | 1530 | X | WRL-GW B15R | 1 | X | | | ~~03~~ 07 |
| 3/28/95 | 1530 | X | WRL-GW B15P | 1 | X | | | ~~04~~ 06 |
| 3/28/95 | 1645 | X | WRL-G35S | 1 | X | | | ~~05~~ 03 |
| 3/28/95 | 1645 | X | WRL-G35D | 1 | X | | | ~~06~~ 04 |
| 3/28/95 | 1245 | X | WRL-G132 | 1 | X | | | ~~07~~ 05 |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

Fak 4/17/95

SPECIAL INSTRUCTIONS:

RECEIVED: [x] INTACT [x] ON ICE TEMP _____ °F

PROJ. MGR.: SHEILA TAUSCHEK

* BODs

COC seal #s: 92-01363, 64

Shipped to Montgomery Watson Madison, Wisconsin

| | SIGNATURE | PRINT NAME | COMPANY / TITLE | DATE | TIME |
|---|---|---|---|---|---|
| RELINQUISHED BY: | David A. Pieczynski | DAVID A. PIECZYNSKI | Montgomery Watson / Hydrogeologist | | |
| RECEIVED BY: | | | | | |
| RELINQUISHED BY: | | | | | |
| RECEIVED BY: | Randy Melnholz | RANDY MELNHOLZ | M W Lab Log-in | 3-29-95 | 10:00 |

C-O-C No. 010638

NAME OF COURIER: FEDEX

AIRBILL NUMBER: 3692436893

MONTGOMERY WATSON

# CHAIN OF CUSTODY RECORD

SPECIAL INSTRUCTIONS:
- [ ] PECFA
- [ ] WI LUST
- [ ] ACT 307
- [ ] REPORT DRY WT
- [ ] OTHER:

TURNAROUND
- [x] 2 WEEKS (standard)
- [ ] 1 WEEK
- [ ] 3 DAYS
- [ ] 1 DAY

PROJECT NAME: WINNEBAGO Rec. LANDFILL
PROJECT #: 4122.0031
CITY: ROCKFORD
STATE: ILLINOIS
SAMPLER(S): [signature] / Mike Rowan [signature]

IEA Inc
126 West Center COURT
Schaumburg, Illinois
60195

| COLLECTION DATE | COLLECTION TIME | GRAB / COMP | SAMPLE ID | NO. OF CONTAINERS | VOCs List 4 (8260) 8015 Alcohols ethyl acetate | VOCs List 5 (8260) | | | | | | | REMARKS | LAB USE ONLY MATRIX | LAB USE ONLY LAB NO. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/28/95 | 1155 | X | WRL-GWP1 | 4 | X | | | | | | | | PROGRAM 2 | | 10438-001 |
| | 1125 | X | WRL-GWMW106 | 4 | X | | | | | | | | LIST 4 | | -002 |
| | 1245 | X | WRL-GWG132 | 4 | X | | | | | | | | | | -005 |
| | 1530 | X | WRL-GWB15P | 4 | X | | | | | | | | | | -006 |
| | 1530 | X | WRL-GWB15R | 4 | X | | | | | | | | | | -007 |
| | 1645 | X | WRL-GWG35S | 4 | X | | | | | | | | | | -003 |
| 3/28/95 | 1645 | X | WRL-GWG35D | 4 | X | | | | | | | | | | -004 |
| 3/29/95 | 1345 | X | WRL-GWG36 | 3 | | X | | | | | | | Program 2 - LIST 5 | | -015 |
| 3/29/95 | 1530 | X | WRL-GWG33S | 3 | | X | | | | | | | | | -018 |
| 3/29/95 | 1600 | X | WRL-GWG33D | 3 | | X | | | | | | | | | -019 |

SPECIAL INSTRUCTIONS: ATTN. JIM KNAPP
2 week TAT A MUST

RECEIVED: [ ] INTACT [ ] ON ICE TEMP _____ °F

PROJ. MGR.: Sheila TAUSCHEK

COC seal #s 92-00597,98

| | SIGNATURE | PRINT NAME | COMPANY / TITLE | DATE | TIME |
|---|---|---|---|---|---|
| RELINQUISHED BY: | [signature] | DAVID A. PIECZYNSKI | Montgomery WATSON / Hydrogeologist | | |
| RECEIVED BY: | Vince Vuglar | VINCE VUGLAR | IEA / SAMPLE CONTROL | 3/30/95 | 10.00AM |
| RELINQUISHED BY: | | | | | |
| RECEIVED BY: | | | | | |

C-O-C No. 010632

NAME OF COURIER: FedEx
AIRBILL NUMBER: 3692436904

MONTGOMERY WATSON

# CHAIN OF CUSTODY RECORD

SPECIAL INSTRUCTIONS:
- ☐ PECFA
- ☐ WI LUST
- ☐ ACT 307
- ☐ REPORT DRY WT
- ☐ OTHER:

TURNAROUND
- ☒ 2 WEEKS (standard)
- ☐ 1 WEEK
- ☐ 3 DAYS
- ☐ 1 DAY

PROJECT NAME: Winnebago Reg. Landfill
PROJECT #: 4122.003/
CITY:
STATE: Rockford, ILL
SAMPLER(S): [illegible] / Mike Rau / Randy Wilson

I.E.A. INC.
126 West Center Court
Schaumburg, Ill 60195

| COLLECTION DATE | COLLECTION TIME | GRAB / COMP | SAMPLE ID | NO. OF CONTAINERS | (8260) VOCs LIST 6 | | | | | | | REMARKS | LAB USE ONLY MATRIX | LAB USE ONLY LAB NO. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/28/95 | 1000 | X | WRL-TB | 3 | X | | | | | | | List 5 VOCs | | 10438-021 |
| 3/29/95 | 830 | X | WRL-GWG117 | 3 | X | | | | | | | | | -008 |
| | 845 | X | WRL-GWG32S | 3 | X | | | | | | | | | -009 |
| | 930 | X | WRL-GWG37D | 3 | X | | | | | | | | | -010 |
| | 1030 | X | WRL-GWG118A | 3 | X | | | | | | | | | -020 |
| | 930 | X | WRL-GWG118R | 3 | X | | | | | | | | | -011 |
| | 1130 | X | WRL-GWG119A | 3 | X | | | | | | | | | -012 |
| | 1130 | X | WRL-GWG119 | 3 | X | | | | | | | | | -013 |
| | 1530 | X | WRL-GWG115 | 3 | X | | | | | | | | | -014 |
| | 1345 | X | WRL-GWG130 | 3 | X | | | | | | | | | -016 |
| 3/29/95 | 1440 | X | WRL-GWG130A | 3 | X | | | | | | | | | -017 |

SPECIAL INSTRUCTIONS: ATTN. JIM KNAPP

RECEIVED: ☐ INTACT ☐ ON ICE TEMP _____ °F

PROJ. MGR.: Sheila Taucher

2 week TAT A MUST

COC seal #'s 9200597, 98

| | SIGNATURE | PRINT NAME | COMPANY / TITLE | DATE | TIME |
|---|---|---|---|---|---|
| RELINQUISHED BY: | [illegible] | David A. Piczynski | Montgomery Watson / Hydrogeologist | 3/29/95 | |
| RECEIVED BY: | Vince Vuglar | Vince Vuglar | IEA / Sample Control | 3/30/95 | 10:00 AM |
| RELINQUISHED BY: | | | | | |
| RECEIVED BY: | | | | | |

C-O-C No. 010631

NAME OF COURIER: Fedex

AIRBILL NUMBER: 3692436904

MONTGOMERY WATSON

# CHAIN OF CUSTODY RECORD

SPECIAL INSTRUCTIONS:
- [ ] PECFA
- [ ] WI LUST
- [ ] ACT 307
- [ ] REPORT DRY WT
- [ ] OTHER:

TURNAROUND
- [x] 2 WEEKS (standard)
- [ ] 1 WEEK
- [ ] 3 DAYS
- [ ] 1 DAY

PROJECT NAME: Lawrence Ave. Landfill
PROJECT #: 4122.0031
CITY: Rockford
STATE: Illinois
SAMPLER(S): Mike Rauch, David Pizzarzynski

Shipped to: Appl, 4203 W. Swift Ave., Fresno, CA 93722

| COLLECTION DATE | COLLECTION TIME | GRAB / COMP | SAMPLE ID | NO. OF CONTAINERS | (2619) HERBICIDES * | | | | | | | REMARKS | LAB USE ONLY MATRIX | LAB NO. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/28/95 | 1155 | X | WRL-GWP1 | 2 | X | | | | | | | | | 10438-001 |
| 3/28/95 | 1225 | X | WRL-GWMW106 | 2 | X | | | | | | | | | -002 |
| 3/28/95 | 1530 | X | WRL-GW B15R | 2 | X | | | | | | | | Kak | ~~-003~~ -00 |
| 3/28/95 | 1530 | X | WRL-GW B15P | 2 | X | | | | | | | | 4/17/95 | -006 |
| 3/28/95 | 1245 | X | WRL-GW G132 | 2 | X | | | | | | | | | -005 |
| 3/28/95 | 1645 | X | WRL-GW G35S | 2 | X | | | | | | | | | -003 |
| 3/28/95 | 1645 | X | WRL-GW G35D | 2 | X | | | | | | | | | -004 |

SPECIAL INSTRUCTIONS: 2 WEEK TAT A MUST

RECEIVED: [ ] INTACT [ ] ON ICE TEMP _____ OF

PROJ. MGR.: Sheila Tausheck

PROGRAM 2 - LIST 4 (ALACHLOR, ATRAZINE *PARATHION + DICAMB)

ROC Appl #'s 92-...345, 66

| | SIGNATURE | PRINT NAME | COMPANY / TITLE | DATE | TIME |
|---|---|---|---|---|---|
| RELINQUISHED BY: | David Pizzarzynski | DAVID A. PIZZARZYNSKI | Montgomery Watson / Hydrogeologist | | |
| RECEIVED BY: | | | | | |
| RELINQUISHED BY: | | | | | |
| RECEIVED BY: | | | | | |

C-O-C No. 010641

NAME OF COURIER: FEDEX

AIRBILL NUMBER: _____