744 Heartland Trail
PO Box 8923 (53708)
Madison, WI 53717

608.831.4444 PHONE
608.831.3334 FAX

www.TRCsolutions.com

July 6, 2011

Mr. Jacob Hassan
Environmental Scientist
U.S. EPA Region 5 (LM-8J)
77 West Jackson Blvd.
Chicago, IL 60604

Subject: Mallard North Landfill
Baseline Groundwater Monitoring Event 2 Evaluation Report

Dear Mr. Hassan:

TRC Environmental Corporation (TRC), on behalf of the Forest Preserve District of DuPage County (District) is submitting to the U.S. EPA two copies of the attached report titled "Baseline Groundwater Monitoring Event 2 Evaluation Report."

Please review the report at your earliest convenience. If you have any questions, please contact me at ASchmidt@trcsolutions.com or 847-867-9635.

Sincerely,

TRC

Alan J. Schmidt

Alan J. Schmidt
Project Manager

Attachments: as stated

cc: Joe Benedict, Forest Preserve District of DuPage County
Tom Rivera, Illinois Environmental Protection Agency
Joy Hinz, County of DuPage

Baseline Groundwater Monitoring Event 2 Evaluation Report

Mallard North Landfill

July 2011

744 Heartland Trail
PO Box 8923 (53708)
Madison, WI 53717

608.831.4444 PHONE
608.831.3334 FAX

www.TRCsolutions.com

Baseline Groundwater Monitoring Event 2 Evaluation Report

Mallard North Landfill

July 2011

Prepared For
Forest Preserve District of DuPage County

Alan J. Schmidt, P.G.
Project Manager

Thomas E. Koch
Senior Environmental Scientist

© 2011 RMT, Inc.
All Rights Reserved

Table of Contents

1. Executive Summary 1
   - 1.1 Purpose and Scope 1
   - 1.2 Site Location and Description 1
   - 1.3 Results of Groundwater Monitoring 1
   - 1.4 Proposed Groundwater Monitoring Plan 4

2. Introduction 5
   - 2.1 Background 5
   - 2.2 Purpose and Scope 6

3. Groundwater Monitoring Results Baseline Groundwater Monitoring Event 2 7
   - 3.1 Introduction 7
   - 3.2 Groundwater Level Measurements 7
     - 3.2.1 Shallow Groundwater Flow 7
     - 3.2.2 Groundwater Flow in W1/W2 Subunit 8
   - 3.3 Evaluation of Analytical Results 8
     - 3.3.1 Organic Parameters 9
     - 3.3.2 Inorganic Parameters 10
     - 3.3.3 Indicator Parameters 12
   - 3.4 Summary and Conclusions 13

4. Comparison of the First and Second Event Baseline Groundwater Monitoring Results 14
   - 4.1 Groundwater Level Measurements 14
   - 4.2 Analytical Results 14
     - 4.2.1 Organic Parameters 14
     - 4.2.2 Inorganic Parameters 15
     - 4.2.3 Indicator Parameters 15
   - 4.3 Summary and Conclusions 16

5. Proposed Groundwater Monitoring Program 17
   - 5.1 Proposed Monitoring Locations 17
   - 5.2 Proposed Monitoring Parameters and Frequency 18
   - 5.3 Groundwater Monitoring Reports 18

6. References 19

List of Tables

Table 1	Baseline Groundwater Monitoring Program Locations –Events 1 and 2
Table 2	Baseline Groundwater Monitoring Program Parameters – Events 1 and 2
Table 3	Summary of Baseline Groundwater Monitoring Event 2
Table 4	Summary of Groundwater Elevation Data – MNL Locations
Table 5	Summary of Groundwater Elevation Data – Northeast Area Locations
Table 6a	IEPA Part 620 Class I Groundwater Quality Standard Exceedences – April 2011
Table 6b	IEPA Part 620 Class II Groundwater Quality Standard Exceedences – April 2011
Table 7	Summary of Dissolved Methane Analytical Results
Table 8a	IEPA Part 620 Class I Groundwater Quality Exceedences – June/July 2010 and April 2011
Table 8b	IEPA Part 620 Class II Groundwater Quality Exceedences – June/July 2010 and April 2011
Table 9	Proposed Groundwater Monitoring Program – Monitoring Locations
Table 10	Proposed Groundwater Monitoring Program – Parameters
Table 11	Summary of New Monitoring Program

List of Figures

Figure 1	Site Layout
Figure 2	Shallow Water Table Map (April 2011 Water Levels)
Figure 3	W1/W2 Potentiometric Surface Map (April 2011 Water Levels)
Figure 4	Current and Proposed Groundwater Monitoring Location Map
Figure 5A	Sample Results That Exceed 35 IAC Part 620 Groundwater Quality Standards (April 2011 Monitoring)
Figure 5B	Sample Results That Exceed 35 IAC Part 620 Groundwater Quality Standards (June/July 2010 Monitoring)

List of Appendices

Appendix A	Correspondence
Appendix B	Groundwater Analytical Data

Section 1
Executive Summary

1.1 Purpose and Scope

This Baseline Groundwater Monitoring Event 2 Evaluation Report (Report) describes the results of the second baseline groundwater monitoring event that was completed during April 2011. The Report provides an evaluation of the current groundwater conditions and compares the current conditions to those reported on following the first baseline monitoring event (conducted during June and July 2010). The Report presents recommended modifications to the current groundwater monitoring program at the MNL.

1.2 Site Location and Description

The MNL is located in T 40N, R 10 E, Section 7, DuPage County, Illinois, near the Village of Hanover Park, approximately 28 miles west-northwest of downtown Chicago. The land on which the MNL is located is currently owned by the Forest Preserve District of DuPage County (District). A residential area is located to the north and west of the site. The West Branch of the DuPage River (WBDR) bounds the landfill on the east, south, and southwest. The Greenbrook Elementary School is located across the WBDR and to the east of the MNL. The Mallard Lake Landfill (MLL) (a closed permitted solid waste disposal facility) is located south of the MNL and on the opposite side of the WBDR (see Figure 1).

In general, the surface topography of the MNL slopes from a high point of approximately 817 feet above mean sea level (a.m.s.l.) near the center of the site toward the WBDR to the east, west, and south to an elevation of approximately 765 a.m.s.l. The WBDR enters the property on the northeast corner of the MNL and flows along the east, south, and west perimeter of the site until it departs to the west of the MNL. Prior to the operation of the MNL, the WBDR was diverted from its historical path, which was roughly through the center of the MNL, to its present configuration.

1.3 Results of Groundwater Monitoring

Groundwater monitoring (Event 2) was completed during April 2011. Depth to groundwater measurements were obtained at wells at MNL and in the Northeast Area (the investigation area located to the southeast of MNL). A total of 61 monitoring points were sampled for an extensive suite of chemical parameters. Evaluation of the analytical results has been performed for several purposes, including:

- Provide a general assessment of current groundwater quality conditions.

- Refine the groundwater monitoring program so that the appropriate monitoring wells and parameters are included in the third and fourth baseline groundwater monitoring events.

Shallow groundwater flows away from a groundwater high located near the northwest corner of MNL, toward the WBDR (southwest, south, and east). There is also a water table high point located to the south and southeast of the Greenbrook Elementary School. The shallow groundwater flows from this high point to the southwest (toward Keeneyville Creek) and to the north and west (toward the WBDR). This is consistent with the shallow groundwater flow pattern observed during the first baseline groundwater monitoring event.

Groundwater in the W1/W2 subunit (W1/W2), similar to the shallow water table system, flows away from a groundwater high point located near the northwest corner of MNL, toward the WBDR (southwest, south, and east); however, the W1/W2 does not appear to be hydraulically connected to the WBDR. There is also a W1/W2 potentiometric surface high point located to the south and southwest of the Greenbrook Elementary School. The groundwater in the W1/W2 from this high point appears to flow to the southwest (toward Keeneyville Creek) and to the north and west (toward the WBDR). This is consistent with the W1/W2 groundwater flow pattern observed during the first baseline groundwater monitoring event.

The water quality data evaluation presented in this report consists of a comparison of analytical results to the appropriate State of Illinois groundwater standards (35 IAC Part 620), a qualitative assessment of background groundwater quality , and a discussion of whether the parameter was detected in leachate. 35 IAC Part 620 defines several classes of groundwater, including Class I and Class II. There are specific standards for each of these two groundwater classes. A determination regarding the class of groundwater at MNL has not yet been made; therefore, data are compared to both Class I and Class II groundwater standards. A brief discussion follows.

- One volatile organic compound (VOC), benzene, was present at 1 of the 61 sampling locations at a concentration that exceeded the Class I standard (but not the Class II standard).
- The concentrations of semivolatile organic compounds (SVOCs) and polyaromatic hydrocarbons (PAHs) in wells sampled were below the applicable 35 IAC Part 620 Class I standards with the exception of the PAH compound benzo(a)pyrene that was reported in 1 of the 61 wells above the Class I standard of 0.2 ug/L). Historically, SVOCs/PAHs have not been a constituent of concern in the leachate at the MNL.
- The concentrations of several metals exceeded 35 IAC Part 620 standards, as follows:
  - Barium (both total and dissolved) was reported above the 35 IAC Part 620 Class I and Class II standard of 2,000 ug/L in samples collected at 3 of the 61 wells sampled. Barium was detected at concentrations ranging from 13 to 102 ug/L in upgradient wells. Barium has been present at levels below the 35 IAC Part 620 standard during routine leachate sampling.

- Dissolved boron was reported at levels above the 35 IAC Part 620 Class I and Class II standard of 2,000 ug/L in samples from 4 of the 61 monitoring points. Dissolved boron was detected at concentrations ranging from 50 to 170 ug/L in the upgradient wells. Historically, boron is not typically detected above the reporting limit during the routine leachate sampling. Also, on the occasions when it has been detected the dissolved boron concentrations have been well below the 35 IAC Part 620 Class I and II standards.
- Dissolved cadmium was reported at a level above the 35 IAC Part 620 Class I standard of 5 ug/L in a sample from 1 of the 61 monitoring points. Total cadmium was reported at a level above the 35 IAC Part 620 Class I standard of 5 ug/L in a sample from 1 of the 61 monitoring points. There were no Class II exceedences. Dissolved and total cadmium was detected at concentrations ranging from <1 to 1 ug/L in the upgradient wells. Historically, cadmium is not typically detected above the reporting limit during the routine leachate sampling.
- Total lead was reported at levels above the 35 IAC Part 620 Class I standard of 7.5 ug/L (but not above the Class II standard of 100 ug/L) in samples from 7 of the 61 monitoring points. Dissolved lead did not exceed the Class I standard. Total lead was detected at only one upgradient well at a concentration of 7 ug/L. Dissolved lead was reported at <2 ug/L in upgradient wells. Historically, lead is not detected above the reporting limit during the routine leachate sampling.

- The concentrations of several inorganic indicator parameters exceeded 35 IAC Part 620 standards, as follows:
  - Chloride, both total and dissolved, was reported at concentrations above the 35 IAC Part 620 Class I and Class II standard of 200 mg/L in samples collected at 22 (total) and 21 (dissolved) of the 61 monitoring locations. Total and dissolved chloride concentrations ranged from 7 to 81 mg/L in upgradient wells. The chloride concentration in leachate has been above the 35 IAC Part 620 standard on certain occasions, but below the standard on other occasions. The presence of elevated chloride concentrations in groundwater at monitoring points immediately adjacent to the waste boundary is not unexpected.
  - Nitrate nitrogen was reported at a concentration above the 35 IAC Part 620 Class I standard of 10 mg/L (but not above the Class II standard of 100 mg/L) in 1 of the 61 sampling points. Nitrate nitrogen concentrations ranged from <0.1 to 0.22 mg/L in upgradient wells.
  - Total dissolved solids was present at a concentration that exceeded the Class I and Class II standards (both are 1,200 mg/L) at 30 of the 61 sampling locations. TDS concentrations ranged from 541 to 1,740 mg/L in the upgradient wells. The TDS concentration in leachate has been above the 35 IAC Part 620 standard on certain occasions, but below the standard on other occasions. The presence of elevated TDS concentrations in groundwater at monitoring points immediately adjacent to the waste boundary is not unexpected.
  - Dissolved sulfate was present at a concentration that exceeded the Class I and Class II standards (both are 400 mg/L) at 10 of the 61 locations. Sulfate concentrations ranged from 72 to 780 mg/L in upgradient wells. The sulfate concentration in leachate has generally been below the 35 IAC Part 620 standard.

The presence of elevated sulfate concentrations in groundwater at monitoring points immediately adjacent to the waste boundary is not unexpected.

- Elevated methane concentrations in groundwater were reported in samples from 10 of the 61 sampling locations. A regulatory standard for methane concentrations reported in groundwater is not presented in 35 IAC Part 620. 1,200 ug/L was used as a screening criterion, as it is equivalent to 5% methane by volume in air at equilibrium conditions.

Based on the April 2011 groundwater elevation data, the groundwater flow direction in the shallow zone and in the W1/W2 is similar to the groundwater flow direction described in the 2010 report. A comparison of the first and second baseline groundwater monitoring event results indicates substantial consistency between the two events. With few exceptions, the 35 IAC Part 620 standard exceedences were observed for the same parameters and wells during both events.

1.4 Proposed Groundwater Monitoring Plan

The analytical data from the first two baseline groundwater monitoring events were evaluated in order to make recommendations for revisions to the groundwater monitoring program for the remaining two baseline groundwater monitoring events. Site geology and hydrogeology were also considered so that the proposed monitoring locations would provide sufficient vertical and horizontal coverage around the perimeter of the MNL. The monitoring points were also selected based on their location with respect to MNL (up gradient, side gradient, down gradient) and the geologic material each monitoring point is screened in. Additionally, the rate of well recharge and the available sample volume at each monitoring point during the first baseline monitoring round was taken into account, since several of the monitoring points recovered extremely slowly or insufficient volume was available to complete a full sample set. Thirty-four monitoring locations are proposed for the remaining two baseline monitoring events.

Section 2
Introduction

2.1 Background

The Mallard North Landfill (MNL) is located in T 40N, R 10 E, Section 7, DuPage County, Illinois, near the Village of Hanover Park, approximately 28 miles west-northwest of downtown Chicago. The MNL and the land on which it is located are owned by the Forest Preserve District of DuPage County (District). A residential area is located to the north and west of the site. The West Branch of the DuPage River (WBDR) bounds the landfill on the east, south, and southwest. The Greenbrook Elementary School is located across the WBDR and to the east of the MNL. The Mallard Lake Landfill (MLL) (a closed permitted solid waste disposal facility) is located south of the MNL and on the opposite side of the WBDR (Figure 1).

In a document dated September 30, 2009, the District, the Illinois Environmental Protection Agency (IEPA) and the United States Environmental Protection Agency (USEPA) established long-term goals and remedial objectives for MNL. One of the long-term objectives was identical to a remedial goal: "groundwater monitoring to detect potential releases". A Groundwater Monitoring Plan (GMP) was developed for the site, defining a baseline groundwater monitoring program (RMT, 2009). This baseline program was designed to define the current groundwater conditions at the site, and to collect sufficient data to develop a suitable long-term groundwater monitoring program. Initially, USEPA requested that four baseline monitoring events be conducted, the data be evaluated, and a long term monitoring program be developed.

The first baseline groundwater monitoring event was conducted in June and July 2010, and the results were reported in a Groundwater Evaluation report (RMT, 2010). The 2010 report contains a detailed discussion of geology and hydrogeology so those topics are not covered in this report. The 2010 report also recommended that the baseline monitoring program be modified based on the results of the first round of baseline groundwater monitoring. USEPA provided comments on the report in an attachment to a January 13, 2011 e-mail to the District (see Appendix A). The comments from USEPA, IEPA and the County of DuPage, and as clarified in subsequent discussion between the parties, requested that the second baseline sampling round be identical to the first round. It was agreed that the results of the first two baseline rounds would be evaluated to determine if the groundwater monitoring program should be modified for the third and fourth baseline monitoring events. The second round of baseline groundwater monitoring was conducted in April 2011.

2.2 Purpose and Scope

This Baseline Groundwater Monitoring Event 2 Evaluation Report (Report) describes the results of the second baseline groundwater monitoring event that was completed during April 2011. The Report provides an evaluation of the current groundwater conditions and compares the current conditions to those reported on following the first baseline monitoring event (conducted during June and July 2010). The Report presents recommended modifications to the current groundwater monitoring program at the MNL.

Section 3
Groundwater Monitoring Results
Baseline Groundwater Monitoring Event 2

3.1 Introduction

The second round of baseline groundwater monitoring was completed during the period April 18 through 27, 2011. The current baseline monitoring program is defined in the GMP, and is summarized in Table 1 (monitoring points) and Table 2 (analytical parameters). In April 2011, groundwater samples were collected from 61 of the 62 monitoring points specified in Table 1. No sample was collected from MW-206, as this well does not exist.

The groundwater samples were collected generally as described in the GMP. At some wells, more than one sampling attempt was necessary to collect sufficient sample volume to analyze for the extensive analytical list. At a few well locations (GP-8B, GP-24A, and GP-27A), insufficient sample volume was available in spite of multiple attempts to collect the sample. A summary of the wells sampled and the parameters analyzed is presented in Table 3. The remainder of Section 3 provides details of the measured groundwater levels and the analytical results. Section 4 presents a discussion comparing the results of the initial sampling event (June/July 2010) to the results of the second baseline sampling event (April 2011). The baseline monitoring results collected to date, along with several other factors, are then used in Section 5 to justify proposed changes to the current groundwater monitoring program.

3.2 Groundwater Level Measurements

A comprehensive round of groundwater level measurements was collected by RMT on April 18, 2011, and is summarized in Table 4. Water levels at additional wells in the Northeast Area (southeast of MNL) were collected by AECOM on the same day, and are summarized in Table 5. Tables 4 and 5 also include the available historical groundwater elevation data for reference. The April 18, 2011 data, as well as historical interpretations of groundwater flow, were used to generate a shallow water table map (Figure 2), and a map of the potentiometric surface within the W1/W2 subunit (Figure 3). The following subsections describe groundwater flow within these two zones.

3.2.1 Shallow Groundwater Flow

As shown on Figure 2, shallow groundwater flows away from a groundwater high located near the northwest corner of MNL, toward the WBDR (southwest, south, and east).

There is also a water table high point located to the south and southeast of the Greenbrook Elementary School. The shallow groundwater flows from this high point to the southwest (toward Keeneyville Creek) and to the north and west (toward the WBDR). In other words, shallow groundwater flow from the MNL area and the Greenbrook Elementary School area converges on a water table low point, located near the WBDR (i.e., the Greenbrook Elementary School is not located downgradient of the MNL). This is consistent with the shallow groundwater flow pattern observed during the first baseline groundwater monitoring event.

3.2.2 Groundwater Flow in W1/W2 Subunit

Figure 3 suggests that groundwater in the W1/W2 subunit (W1/W2), similar to the shallow water table system, flows away from a groundwater high point located near the northwest corner of MNL, toward the WBDR (southwest, south, and east); however, the W1/W2 does not appear to be hydraulically connected to the WBDR. Instead, groundwater elevations at probes/wells screened in the W1/W2 at locations near the WBDR are as much as 10 feet lower than the WBDR, indicating the W1/W2 subunit does not discharge to the WBDR. There is also a W1/W2 potentiometric surface high point located to the south and southwest of the Greenbrook Elementary School. The groundwater in the W1/W2 from this high point appears to flow to the southwest (toward Keeneyville Creek) and to the north and west (toward the WBDR). In other words, groundwater flow in the W1/W2 from the MNL area and the Greenbrook Elementary School area converges on a potentiometric low point, located near the WBDR. (i.e., the Greenbrook Elementary School is not located downgradient of the MNL). This is consistent with the W1/W2 groundwater flow pattern observed during the first baseline groundwater monitoring event.

3.3 Evaluation of Analytical Results

The laboratory analysis of samples collected during the April 2011 groundwater monitoring event was performed by First Environmental Laboratories, Naperville, Illinois, an IEPA accredited laboratory (NELAP Accreditation Number 100292, see Appendix B). This is the second event of baseline groundwater quality data collected at MNL. Evaluation of the analytical results has been performed for several purposes, including:

- Provide an assessment of current groundwater quality conditions
- Refine the groundwater monitoring program so that the appropriate monitoring wells and parameters are included in the third and fourth baseline groundwater monitoring events.

As indicated in Section 5, additional baseline groundwater monitoring will be implemented subsequent to USEPA/IEPA review and approval of this report. Additional evaluation of the

analytical results will be performed as part of the additional baseline monitoring. The evaluation presented below consists of a comparison of analytical results to the appropriate State of Illinois groundwater standards, a qualitative assessment of background groundwater quality, and a discussion of whether the parameter was detected in leachate. State of Illinois groundwater standards are contained in 35 Illinois Administrative Code (IAC) Part 620, Groundwater Quality. 35 IAC Part 620 defines several classes of groundwater, including Class I and Class II. There are specific standards for each of these two groundwater classes. A determination regarding the class of groundwater present at the site has not yet been made; therefore, data are compared to both Class I and Class II groundwater standards. Data from upgradient monitoring points GP-6, G-101, GP-8B, G-102, G-103, GP-11B, G-105 and G-106 were used for the purposes of discussing background water quality.

Tables 6a and 6b present a summary of parameters/wells where a 35 IAC Part 620 Class I or Class II groundwater standard was exceeded during April 2011. Figure 5A identifies the April 2011 locations of the 35 IAC Part 620 groundwater standard exceedences. A summary of all the analytical and field parameter data, along with the analytical reports, is included in Appendix B. The analytical discussion below focuses on the 35 IAC Part 620 exceedences, as shown on Tables 6a and 6b. The analytical results at locations with exceedences have been compared to the upgradient/background results and the presence of the parameter in the landfill leachate.

3.3.1 Organic Parameters

Volatile Organic Compounds

Analytical results for groundwater samples collected from the 61 monitoring locations indicated that only one volatile organic compound (VOC), benzene, exceeded the 35 IAC Part 620 standard. The sample from well G-122 contained a benzene concentration of 30.1 ug/L which is above the 35 IAC Part 620 Class I standard of 5 ug/L and the Class II standard of 25 ug/L. G-122 is located in the southwestern corner of the MNL, close to the waste boundary, and on the MNL side of the WBDR. Benzene was not detected above the reporting limit in any of the upgradient wells. Historically, VOCs, at levels exceeding the 35 IAC Part 620 standard are not typically detected in leachate at the MNL.

Semivolatile Organic Compounds/Polyaromatic Hydrocarbons

The concentrations of semivolatile organic compounds (SVOCs) and polyaromatic hydrocarbons (PAHs) in wells sampled were below the applicable 35 IAC Part 620 Class I standards with the exception of the PAH compound benzo(a)pyrene that was reported in the sample from B-119B at 0.3 ug/L

(Class I standard is 0.2 ug/L). This supports the contention presented in the 2010 report that the detection of bis(2-ethylhexyl)phthalate (BEHP), at a concentration above the 35 IAC Part 620 Class I standard of 6 ug/L in samples from two monitoring points, was not site related. Historically, SVOCs/PAHs have not been a constituent of concern in the leachate or groundwater at the MNL.

Methane

A regulatory standard for methane concentrations reported in groundwater is not presented in 35 IAC Part 620. However, for evaluation purposes, 1,200 ug/L was chosen for methane as a reference level because 1,200 ug/L of dissolved methane in groundwater equates to approximately 5.0% methane in air, or 100% of the LEL for methane.

Methane concentrations above 1,200 ug/L were reported in samples from ten sampling locations including G-109, G-113, G-116R, G-120S, G-122, GP-02B, GP-30B, GP-31B, GP-37A, and MW-204D (shallow). These sample locations are on the east, south, and west perimeters (down gradient) of the MNL, with most reported values located in the southeastern corner of the MNL. With the exception of well MW-204D (shallow), all of these wells are located close to the waste boundary on the MNL side of the WBDR. These results are similar to the results of the first baseline groundwater monitoring, with the exception that the methane concentrations at G-114S, G-114D, and G-119 exceeded 1,200 ug/L during the first event and not the second event, and the methane concentrations reported in the samples from GP-37A and G-116R exceeded the 1,200 ug/L level in the second event and not the first.

3.3.2 Inorganic Parameters

Metals

Four metals (barium, boron, cadmium and lead) were reported at concentrations above their respective 35 IAC Part 620 standards during the second baseline monitoring event as discussed below:

- **Barium** – Barium (both total and dissolved) was reported above the 35 IAC Part 620 Class I and Class II standard of 2,000 ug/L in samples collected at 3 of the 61 wells sampled: wells G-109 (2,300 ug/L total, 2,300 ug/L, dissolved), G-113 (4,550 ug/L-total, 4,350 ug/L-dissolved) and G-120S (2,600 ug/L-total, 2,720 ug/L-dissolved). Results of the duplicate samples collected at G-109 and G-120S were similar. Wells G-113 and

G-120S are located in the vicinity of each other along the south-central perimeter (down gradient) of the MNL, close to the waste boundary and on the MNL side of the WBDR. Well G-109 is located in the vicinity of the northeast perimeter of the MNL, close to the waste boundary and on the MNL side of the WBDR. Barium (total and/or dissolved) was detected at concentrations ranging from 13 to 102 ug/L in upgradient wells. Barium has been present at levels below the 35 IAC Part 620 standard during routine leachate sampling.

- **Boron** – Dissolved boron was reported at levels above the 35 IAC Part 620 Class I and Class II standard of 2,000 ug/L in samples from 4 of the 61 monitoring points (G-113, G-120S, G-122, and GP-02B). Concentrations reported in the samples from these four wells ranged between 2,110 ug/L and 3,120 ug/L. These sample points are located along the west, southwest, and south-central perimeters (down gradient) of the MNL close to the waste boundary and on the MNL side of the WBDR (with the exception of GP-02B, which is not adjacent to the WBDR). Dissolved boron was detected at concentrations ranging from 50 to 170 ug/L in the upgradient wells. Historically, boron is not typically detected above the reporting limit during the routine leachate sampling and on the occasions when it has been detected the concentrations have been well below the 35IAC Part 620 standard.
- **Cadmium** - Dissolved cadmium was reported at a level above the 35 IAC Part 620 Class I standard of 5 ug/L in a sample from 1 of the 61 monitoring points (GP-29A, 6 ug/L). Total cadmium was reported at a level above the 35 IAC Part 620 Class I standard of 5 ug/L in a sample from 1 of the 61 monitoring points (GP-23A, 25 ug/L). There were no Class II exceedences. Dissolved cadmium was not detected at the reporting limit (<1) ug/L in all but one the upgradient well (GP-11B) where it was reported at 1 ug/L. Historically, cadmium is not typically detected above the reporting limit during the routine leachate sampling.
- **Lead** – Total lead was reported at levels above the 35 IAC Part 620 Class I standard of 7.5 ug/L (but not above the Class II standard of 100 ug/L) in samples from 7 of the 61 monitoring points (G-120DR, GP-4C, GP-19, GP-21A, GP-23B, GP-27B, and GP-35B). Reported concentrations for these wells ranged from 8 ug/L to 83 ug/L. These sample points are located primarily along the east and southeast perimeters (down gradient) of the MNL close to the waste boundary and, with the exception of GP-4C (which is in the northwest corner and not adjacent to the river) and GP-27B (which is on the south side of the WBDR), on the MLL side of the WBDR. The dissolved lead concentration did not exceed a standard. This suggests that lead may be associated with particulate in the sample. Total lead was detected at one upgradient well (GP-11B) at a concentration of 7 ug/L. Dissolved lead was reported at <2 ug/L in upgradient wells. Historically, lead is not detected above the reporting limit during the routine leachate sampling. Lead was reported at concentrations ranging from 3 ug/L to 1,470 ug/L in samples collected from 3 leachate seeps (near G-115, near G-119, and near MH-2) during May 2009 seep sampling events.

3.3.3 Indicator Parameters

Four indicator parameters (chloride, nitrate, TDS and sulfate) were reported at concentrations above their respective 35 IAC Part 620 standards during the second baseline sampling event as discussed below:

Chloride

Chloride, both total and dissolved, was reported at concentrations above the 35 IAC Part 620 Class I and Class II standard of 200 mg/L in samples collected at 22 (total) and 21 (dissolved) of the 61 monitoring locations, including shallow and deep monitoring wells, gas probes, and monitoring locations on both sides of the WBDR. At locations where chloride was reported above the standard, the values ranged from 202 mg/L to 1,720 mg/L. The sampling points where chloride was reported above the standard are located along the east, south, and west perimeters (down gradient) of the MNL. The two highest chloride values (G-120S at 1,720 mg/L and GP-30B at 1,360 mg/L) are both located near the approximate limits of waste and on the MNL side of the WBDR. Chloride was not reported above the standard along the northern (up gradient) perimeter of the MNL. Total and dissolved chloride concentrations ranged from 6 to 81 mg/L in upgradient wells. The chloride concentration in leachate has been above the 35 IAC Part 620 standard on certain occasions, but below the standard on other occasions. The presence of elevated chloride concentrations in groundwater at monitoring points immediately adjacent to the waste boundary is not unexpected.

Nitrate, Nitrogen

Nitrate nitrogen was reported at a concentration above the 35 IAC Part 620 Class I standard of 10 mg/L (but not above the Class II standard of 100 mg/L) in 1 of the 61 sampling points (G-115, 64.6 mg/L). This well is located along the western perimeter of the MNL close to the waste boundary and on the MNL side of the WBDR. Nitrate nitrogen concentrations ranged from <0.1 to 0.29 mg/L in upgradient wells. Leachate samples are not analyzed for nitrate nitrogen.

Total Dissolved Solids (TDS)

The 35 IAC Part 620 TDS Class I and Class II standard of 1,200 mg/L was exceeded at 30 of the 61 locations, with concentrations ranging as high as 4,660 mg/L. Two exceedence locations (G-101 and GP-6) are located along the northern (up gradient) perimeter of the MNL, with the remainder of the

locations along the east, south, and west perimeters (down gradient) close to the waste boundary and on the MNL side of the WBDR (with the exception of G-116R, GP-02A, GP-02B; northwest corner). TDS concentrations ranged from 541 to 1,740 mg/L in the upgradient wells. The TDS concentration in leachate has been above the 35 IAC Part 620 standard on certain occasions, but below the standard on other occasions. The presence of elevated TDS concentrations in groundwater at monitoring points immediately adjacent to the waste boundary is not unexpected.

Sulfate

Dissolved sulfate was reported at concentrations above the 35 IAC Part 620 Class I and Class II standard of 400 mg/L at 10 of the 61 sampling locations. Reported values were as high as 1,170 mg/L, with most values being less than 1,000 mg/L. One dissolved sulfate exceedence was reported at upgradient well G-101 (780 mg/L)along the northern perimeter of the MNL, with the remainder of the exceedences located along the east, south, and west perimeters (down gradient) of the MNL close to the waste boundary and on the MNL side of the WBDR (with the exception of GP-02A; northwest corner). Sulfate concentrations ranged from 72 to 780 mg/L in upgradient wells. The sulfate concentration in leachate has generally been below the 35 IAC Part 620 standard. The presence of elevated sulfate concentrations in groundwater at monitoring points immediately adjacent to the waste boundary is not unexpected.

3.4 Summary and Conclusions

Groundwater samples were collected from 61 monitoring points during April 2011 and the samples were analyzed for an extensive suite of organic and inorganic chemical parameters. Only two organic parameters (VOCs and SVOCs/PAHs) was detected at a concentration above a 35 IAC Part 620 standard: benzene and benzo(a)pyrene. Methane was detected in a number of groundwater samples, mostly collected from the southeastern corner of the MNL. There is no 35 IAC Part 620 standard for methane. Four metals (barium, boron, cadmium and lead) were detected at a concentration above a 35 IAC Part 620 standard. Four indicator parameters (chloride, nitrate, TDS and sulfate) were reported at concentrations above their respective 35 IAC Part 620 standards. With few exceptions, 35 IAC Part 620 standard exceedences were observed at monitoring points close to the waste boundary and on the MNL side of the WBDR.

Section 4
Comparison of the First and Second Event Baseline Groundwater Monitoring Results

4.1 Groundwater Level Measurements

The shallow groundwater flow direction, based on April 2011 groundwater level measurements is discussed in Subsection 2.2.1 and is consistent with the groundwater flow direction reported in the 2010 report. Similarly, the groundwater flow direction in the W1/W2 subunit, based on April 2011 groundwater level measurements is discussed in Subsection 2.2.2 and is consistent with the groundwater flow direction reported in the 2010 report.

4.2 Analytical Results

Second event baseline groundwater monitoring results have been discussed in detail in Subsection 3.3. This Subsection presents a comparison of the first and second event baseline groundwater monitoring results. The following discussion is the basis for the proposed third and fourth baseline groundwater monitoring events, which are discussed in Section 4. A summary of the 35 IAC Part 620 exceedences observed during both the first and second baseline groundwater monitoring events is presented in Tables 8a (Class I standards) and 8b (Class II standards). The exceedences for the June/July 2010 and the April 2011 event are shown graphically on Figures 5A and 5B, respectively. These exceedences (with the exception of TDS) are also summarized in Table 9.

4.2.1 Organic Parameters

Volatile Organic Compounds

Only one parameter (benzene) at one well exceeded a 35 IAC Part 620 standard during each of the two sampling events.

Semivolatile Organic Compounds/Polyaromatic Hydrocarbons

Only one parameter (bis(2-ethylhexyl)phthalate) at two wells exceeded a 35 IAC Part 620 standard during the first sampling event. There were no bis (2-ethylhexyl)phthalate exceedences during the second sampling event. One PAH parameter (benzo(a)pyrene) was reported at a concentration above the Class I standard during the second event but not in the first.

Methane

Methane concentrations above 1,200 ug/L were reported in samples from 11 sampling locations during the first baseline monitoring event and 10 locations during the second baseline monitoring event. The exceedences occurred at the same wells with the following exceptions: G-114S, G-114D, and G-119 exceeded during the first baseline monitoring event but not the second baseline monitoring event and GP-37A and G-116R exceeded during the second baseline monitoring event but not the first baseline monitoring event.

4.2.2 Inorganic Parameters

Metals

Four metals (arsenic, barium, boron, and lead) were reported at concentrations above their respective 35 IAC Part 620 standards during the first baseline monitoring event. Four metals (barium, boron, cadmium and lead) were reported at concentrations above their respective 35 IAC Part 620 standards during the second baseline monitoring event. The barium and boron exceedences generally occurred at the same wells during both events.

4.2.3 Indicator Parameters

Chloride

Chloride, both total and dissolved, was reported at concentrations above the 35 IAC Part 620 Class I and Class II standard of 200 mg/L in samples collected at 18 of the 61 monitoring locations during the first baseline groundwater monitoring event. Chloride, both total and dissolved, was reported at concentrations above the 35 IAC Part 620 Class I and Class II standard of 200 mg/L in samples collected at 22 (total) and 21 (dissolved) of the 61 monitoring locations during the second baseline groundwater monitoring event. The exceedences generally occurred at the same wells during both events.

Nitrate, Nitrogen

Nitrate nitrogen was reported at a concentration above the 35 IAC Part 620 Class I standard of 10 mg/L (but not above the Class II standard of 100 mg/L) in only one well (G-115) during both baseline groundwater monitoring events.

Total Dissolved Solids (TDS)

The 35 IAC Part 620 TDS Class I and Class II standard of 1,200 mg/L was exceeded at 27 of the 61 locations during the first of the two baseline groundwater monitoring events and at 30 locations during the second event. The exceedences generally occurred at the same wells during both events.

Sulfate

Dissolved sulfate was reported at concentrations above the 35 IAC Part 620 Class I and Class II standard of 400 mg/L at 12 of the 61 sampling locations during the first baseline groundwater monitoring event and at 12 of the 61 sampling locations during the second baseline groundwater monitoring event. The exceedences generally occurred at the same wells during both events.

4.3 Summary and Conclusions

Based on the April 2011 groundwater elevation data, the groundwater flow direction in the shallow zone and in the W1/W2 is similar to the groundwater flow direction described in the 2010 report. A comparison of the first and second baseline groundwater monitoring event results indicates substantial consistency between the two events. With few exceptions, the 35 IAC Part 620 standard exceedences were observed for the same parameters and wells during both events.

Section 5
Proposed Groundwater Monitoring Program

The Groundwater Monitoring Plan (RMT, 2009) stated that the baseline groundwater monitoring would consist of four quarterly monitoring events, and that the results of the four events would be evaluated and an appropriate long-term groundwater monitoring program implemented. The results of the first baseline groundwater monitoring event were reported in the September 2010 Groundwater Evaluation report. USEPA provided comments on the report in an attachment to a January 13, 2011 e-mail to the District (Appendix A). The comments from USEPA, IEPA and the County of DuPage, and as clarified in subsequent discussion between the parties, requested that the second baseline sampling event be identical to the first event. It was agreed that the results of the first two baseline events would be evaluated to determine if the groundwater monitoring program should be modified for the third and fourth baseline monitoring events. This section presents recommendations for the remaining two baseline monitoring events.

5.1 Proposed Monitoring Locations

The analytical data from the first two baseline groundwater monitoring events were evaluated in order to make recommendations for revisions to the groundwater monitoring program for the remaining two baseline groundwater monitoring events. Site geology and hydrogeology were also considered so that the proposed monitoring locations would provide sufficient vertical and horizontal coverage around the perimeter of the MNL. The proposed monitoring points were also selected based on their location with respect to MNL (up gradient, side gradient, down gradient) and the geologic material in which each monitoring point is screened. Additionally, the rate of well recharge and the available sample volume at each monitoring point during the first two baseline monitoring events was taken into account, since several of the monitoring points recovered extremely slowly or insufficient volume was available to complete a full sample set. Thirty-four monitoring locations are proposed for the remaining two baseline monitoring events.

The 34 monitoring locations proposed for the remaining two baseline monitoring events are shown on Figure 4. Table 9 presents a listing of each of the wells sampled during the first two baseline groundwater monitoring events, as well as a brief summary regarding the physical well location, formation monitored, 35 IAC Part 620 exceedences (with the exception of TDS), hydraulic position, and reason for exclusion from the monitoring program moving forward. In addition, the locations where elevated methane in groundwater was reported were evaluated and subsequently included in the proposed monitoring network.

5.2 Proposed Monitoring Parameters and Frequency

Table 10 presents the proposed monitoring parameter list and sampling frequency for the remaining baseline monitoring events.

The proposed program does not include analysis of VOCs, or SVOCs/PAHs, during the remaining two events. Dissolved metals (filtered), but not total metals (unfiltered), are recommended for the two remaining baseline events. The dissolved and total metal concentrations were similar during Events 1 and 2. Dissolved metals analysis (only) has been recommended to provide more reproducible results, rather than relying on the probability that no soil particles (with attached metals) enter the sample container. Certain indicator parameters have been retained for the remaining baseline groundwater monitoring events as indicated in Table 10. Refer to Table 11 for an overall summary of the new monitoring program.

5.3 Groundwater Monitoring Reports

Following each monitoring event, the data will be evaluated and a brief report will be prepared that discusses the results of the monitoring event. Following the conclusion of the four baseline monitoring events, a more thorough evaluation of the groundwater conditions will be performed and recommendations will be made for additional revisions to the monitoring program, as appropriate.

Section 6
References

RMT. 2009. Groundwater Monitoring Plan, Mallard North Landfill. Forest Preserve District of DuPage County. November 2009.

RMT. 2010. Groundwater Evaluation, Mallard North Landfill. Forest Preserve District of DuPage County. September 2010.

Table 1
Baseline Groundwater Monitoring Program Locations - Events 1 and 2
Mallard North Landfill
Forest Preserve District of DuPage County

AREA	MONITORING WELL	RATIONALE FOR SAMPLING
North Side [1]	GP-6	Monitor shallow silty sand lens.
	G-101	VOCs had been detected historically at this well.
	GP-8B	Monitor deeper clayey gravel lens.
	G-102	VOCs had been detected historically at this well.
	G-103	Monitor deeper sand and gravel lens.
	GP-11B	Monitor gravel lens.
	G-105	Monitor deeper sand lens.
	G-106	Monitor sand and gravel lens.
	G-108	Monitor sand lens.
West Side [2]	GP-4B and GP-4C	Monitor shallower sand and gravel lens and deeper sand lens. Methane has been detected in GP-4C.
	GP-2A and GP-2B	Monitor shallower and deeper sandy clay lenses. Methane has been detected in both GP-2A and GP-2B.
	G-116R	A replacement well for G-116 (which has a cracked well casing).
	G-123S	Monitor sand layer.
	GP-37A	Methane has been detected at this well.
	G-115	Monitor sand layer.
	GP-32B	Monitor sand layer at greater depth than G-115.
	G-122	Monitor sand and gravel layer.
	MW-201S and MW-201D	Monitor shallower gravel layer and deeper silty sand layer on the exterior side of the WBDR.
	G-114S and G-114D	Monitor shallower sand and gravel layer and deeper silt layer.
South Side [3]	MW-202	Monitor shallow gravel layer on the exterior side of the WBDR.
	G-121	Monitor shallow sand and gravel layer.
	P-121B	Monitor deeper sand and gravel layer.
	MW-203	Monitor shallow gravel layer on the exterior side of the WBDR.
	G-113	Monitor sand lens. Low concentrations of methane have been detected here.
	G-120S and G-120DR	Monitor shallower sand lens and deeper sand and gravel lens. Low concentrations of methane have been detected at G-120S. G-120DR is a replacement well for G-120D, which has a cracked well casing.
	GP-35A and GP-35B	Monitor shallow sand and gravel lens and the silty clay below the base of the WBDR elevation.
	GP-27A and GP-27B	Monitor shallower gravelly zone and deeper (below the base of the WBDR elevation) sandy/gravelly zone on the exterior side of the WBDR.
	G-112R	Monitor sand lens. VOCs had been detected historically at this well.

Table 1 (continued)
Baseline Groundwater Monitoring Program Monitoring Locations - Rounds 1 and 2
Mallard North Landfill
Forest Preserve District of DuPage County

AREA	MONITORING WELL	RATIONALE FOR SAMPLING
South Side (continued) [3]	GP-31B	Monitor shallower sandy clay lens near G-112R. Methane has been detected in GP-31B.
	GP-25A and GP-25B	Monitor shallow gravelly lens and the deeper zone at an elevation below the base of the WBDR, on the exterior side of the WBDR.
	GP-24A and GP-24B	Monitor shallower gravelly lens and deeper zone at an elevation below the base of the WBDR.
	GP-23A and GP-23B	Monitor shallow and deeper silty clay zone. The deeper probe is screened at an elevation below the base of the WBDR.
	MW-204S (deep) and MW-204D (shallow)	Monitor the shallower silty sand seam and the deeper gravel and silty sand seams on the exterior side of the WBDR. Methane has been detected at MW-204D (shallow).
	P-119B	Monitor deeper clayey silt layer.
	G-119	Monitor thin clayey sand seam. VOCs had been detected historically at this well.
	GP-30B	A granular layer was not encountered at this boring. However, methane has been detected at GP-30B.
	GP-22A and GP-22B	Monitor shallow silty clay and deeper clayey silt on the exterior side of the WBDR. GP-22B is screened below the base of the WBDR.
	GP-21A and GP-21B	Monitor the two relatively thin granular lenses.
	GP-20	Monitor relatively thin sand and gravel lens.
East Side [4]	G-118	A granular layer was not encountered at this boring. However, the relatively shallow zone will be monitored.
	P-118B	Monitor deeper granular zone below the base elevation of the landfill.
	GP-19	Monitor deeper gravel lenses.
	GP-29A and GP-29B	Monitor shallow sand lens and deeper sandy clay lens.
	GP-16A and GP-16B	Monitor shallow gravel lens and deeper sand and gravel lens.
	P-117B	Monitor deeper granular zone below the base elevation of the landfill.
	G-109	Monitor relatively shallow sand and gravel lens.

Notes:

1. Refer to geologic cross section E-E', RMT August 2009
2. Refer to geologic cross section F-F', RMT August 2009
3. Refer to geologic cross section B-B', RMT August 2009
4. Refer to geologic cross section B-B', RMT August 2009

Table 2
Baseline Groundwater Monitoring Program Parameters - Events 1 and 2
Mallard North Landfill
Forest Preserve District of DuPage County

PARAMETERS SPECIFIED IN RMT GROUNDWATER MONITORING PLAN	SPECIFIED IN 35 IAC Part 811.319(a)(2)	35 IAC GW STANDARD?	LABORATORY ANALYTICAL METHOD
VOCs	No	Yes, some analytes	8260B
SVOCs	No	Yes, some analytes	8270C
PAHs	No	Yes, some analytes	8270C
Chloride (t)	No	Yes	--
RCRA metals	--	--	--
Ag (t)	No	Yes	--
Ag (d)	No	Yes	--
As (t)	No	Yes	6010B
As (d)	Yes	Yes	6010B
Ba (t)	No	Yes	--
Ba (d)	No	Yes	--
Cd (t)	No	Yes	6010B
Cd (d)	Yes	Yes	6010B
Cr (t)	No	Yes	6010B
Cr (d)	Yes	Yes	6010B
Hg (t)	No	Yes	6010B
Hg (d)	Yes	Yes	6010B
Pb (t)	No	Yes	6010B
Pb (d)	Yes	Yes	6010B
Se (t)	No	Yes	--
Se (d)	No	Yes	--
Ammonia	Yes	No	350.1R2.0
Methane	No	No	3810
B (d)	Yes	Yes	6010B
Chloride (d)	Yes	Yes	1500Cl-E
CN (t)	Yes	Yes	335.4R1.0
Mg (d)	Yes	No	6010B
Nitrate (d)	Yes	Yes	353.2R2.0
Sulfate (d)	Yes	Yes	375.2R2.0
TDS	Yes	Yes	2540C
Zn (d)	Yes	Yes	6010B
BOD	No	No	--
COD	No	No	--
Nitrates and Nitrites	No	No	353.2R2.0
pH (field)	No	No	
Conductivity (field)	No	No	
DO (field)	No	No	--
Redox (field)	No	No	--
Turbidity (field)	No	No	--

Notes:

(t) - total, unfiltered

(d) - dissolved, filtered

Table 3
Summary of Baseline Groundwater Monitoring Event 2
Mallard North Landfill
Forest Preserve District of DuPage County

	ANALYTICAL PARAMETERS																																	
					METALS																													
WELL NO.	VOCs	SVOCs	PAHs	METHANE	As (d)	As (t)	Ba (d)	Ba (t)	B (d)	Cd (d)	Cd (t)	Cr (d)	Cr (t)	Pb (t)	Pb (d)	Mg (d)	Hg (d)	Hg (t)	Se (d)	Se (t)	Ag (d)	Ag (t)	Zn (d)	BOD	CHLORIDE (t)	CHLORIDE (d)	COD	CYANIDE (t)	NITROGEN, AMMONIA	NITROGEN, NITRATE PLUS NITRITE	NITROGEN, NITRATE (d)	NITROGEN, NITRITE (d)	TDS	SULFATE (d)
G101	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
G102	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
G103	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
G105	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
G106	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
G108	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
G109	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
G112R	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
G113	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
G114S	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
G114D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
G115	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
G116R	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
G118	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
G119	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
G120DR	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
G120S	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
G121	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
G122	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
G123S	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GP2A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GP2B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GP4B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GP4C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GP6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GP8B	1			1																					1									
GP11B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GP16A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GP16B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GP19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GP20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GP21A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GP21B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GP22A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GP22B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GP23A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GP23B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GP24A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1
GP24B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GP25A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GP25B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GP-27A	1	1	1	1	1		1		1	1		1			1	1	1		1		1		1								1			1
GP-27B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GP-29A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GP-29B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GP-30B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GP-31B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GP-32B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GP-35A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GP-35B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GP-37A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MW-201S	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MW-201D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MW-202	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MW-203	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MW-204S (deep)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MW-204D (shallow)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MW-206																																		
P-117B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
P-118B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
P-119B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
P-121B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Totals	61	60	60	61	60	59	60	59	60	60	59	60	59	59	60	60	60	59	60	59	60	59	60	59	60	59	59	58	59	59	60	59	59	60
Field Blanks	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Trip Blanks	9																																	
Dups	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
Total	81	71	71	72	71	70	71	70	71	71	70	71	70	70	71	71	71	70	71	70	71	70	71	70	71	70	70	69	70	70	71	70	70	71

Table 4
Summary of Groundwater Elevation Data – MNL Locations
Mallard North Landfill
Forest Preserve District of DuPage County

WELL NO.	TOC ELEVATION (ft a.m.s.l.)	BOTTOM OF WELL OR TOP OF SEDIMENT AS MEASURED (ft a.m.s.l.)	TOP OF SCREEN (ft a.m.s.l.)	BOTTOM OF SCREEN (ft a.m.s.l.)	GROUNDWATER ELEVATION (ft a.m.s.l.)	
					4/28/2010	4/18/2011
G101	807.33	755.74	762.10	757.1	--	**789.82**
G102	803.66	759.31	762.56	757.56	--	**780.28**
G103	800.16	781.11	761.84	756.84	--	**784.59**
G105	789.14	759.37	762.41	757.41	--	**783.90**
G106	782.89	757.42	762.43	757.43	--	**780.27**
G108	774.97	753.06	757.57	852.57	--	**770.01**
G109	772.73	752.36	761.94	752.44	**766.47**	**767.98**
G110	772.39	742.10	767.30	742.32	**763.66**	--
G112R	777.78	724.57	NA	723.60	--	--
G113	776.46	754.83	NA	753.60	--	765.03
G114S	773.8	NA	NA	NA	--	765.94
G114D	774.23	736.56	734.17	729.17	--	**759.63**
G115	775.78	755.69	755.10	750.10	--	**772.40**
G116	793.99	762.15	757.10	752.10	--	--
G116R(1)	793.99	762.15	757.10	752.10	--	**782.26**
G118	773.21	749.73	751.92	746.92	--	**764.23**
G119	778.05	743.82	746.58	741.58	--	**760.70**
G120D	776.24	723.64	725.69	720.69	--	--
G120DR(2)	776.24	723.64	725.69	720.69	--	**751.40**
G120S	776.19	749.98	752.17	747.17	--	**765.02**
G121	776.38	749.81	752.79	747.79	--	**764.96**
G122	783.03	754.23	756.87	751.87	--	**765.27**
G123S	779.23	758.35	763.23	758.23	--	**765.33**
GP1	783.85	748.80	755.10	750.10	**763.74**	--
GP2A	792.62	772.25	777.25	772.25	**778.47**	**780.63**
GP2B	792.54	757.94	763.94	758.94	**781.67**	**781.85**
GP3	800.96	766.26	771.26	766.26	**788.45**	--
GP4A	807.63	791.55	796.55	791.55	794.58	--
GP4B	807.49	785.58	790.58	785.58	**796.15**	**801.51**
GP4C	807.81	772.57	777.67	772.67	**789.97**	**788.36**
GP5	810.37	777.77	785.77	780.77	**795.00**	--
GP6	813.59	798.59	802.59	800.59	**804.18**	**803.83**
GP7A	812.77	797.57	802.57	797.57	801.30	--
GP7B	812.81	763.47	773.47	768.47	**793.92**	--
GP8A	806.50	796.97	798.97	796.97	799.26	--
GP8B	806.44	762.44	771.44	766.44	**793.43**	**781.50**
GP9A	803.20	789.63	791.63	789.63	**797.00**	--
GP9B	803.09	759.59	770.59	765.59	**784.05**	--
GP10A	796.75	787.01	789.01	787.01	788.39	--
GP10B	797.09	778.82	780.82	778.82	**787.32**	--
GP10C	797.04	765.96	769.96	765.96	**786.36**	--
GP11A	790.79	781.05	784.05	781.05	782.62	--
GP11B	790.76	763.98	770.98	765.98	**781.42**	**783.07**
GP12	783.66	769.71	772.71	769.71	**778.58**	--
GP13	779.68	764.70	766.70	764.70	**773.60**	--
GP14	775.15	752.00	754.00	752.00	**768.84**	--
GP15A	774.61	761.21	764.21	761.21	**769.80**	--
GP15B	774.47	736.66	743.66	741.66	**767.59**	--
GP16A	776.04	758.04	761.04	758.04	**770.34**	**771.13**
GP16B	776.11	746.94	751.94	746.94	**772.85**	**772.48**
GP16C	776.35	737.77	743.27	740.27	**769.37**	--

Table 4 (continued)
Summary of Groundwater Elevation Data – MNL Locations
Mallard North Landfill
Forest Preserve District of DuPage County

WELL NO.	TOC ELEVATION (ft a.m.s.l.)	BOTTOM OF WELL OR TOP OF SEDIMENT AS MEASURED (ft a.m.s.l.)	TOP OF SCREEN (ft a.m.s.l.)	BOTTOM OF SCREEN (ft a.m.s.l.)	GROUNDWATER ELEVATION (ft a.m.s.l.)	
					4/28/2010	4/18/2011
GP17	775.45	752.20	762.20	760.20	**770.73**	--
GP18	775.15	751.60	756.60	751.60	**766.94**	--
GP19	774.13	738.80	743.80	738.80	**762.96**	**767.09**
GP20	774.92	751.47	759.47	754.47	**768.94**	**771.47**
GP21A	777.01	757.86	762.86	757.86	**769.93**	**770.47**
GP21B	777.40	746.40	752.40	747.40	**767.03**	**766.73**
GP22A	778.06	765.96	770.96	765.96	**766.09**	**774.74**
GP22B	777.55	742.80	749.80	744.80	**758.34**	**757.88**
GP23A	777.36	760.20	765.20	760.20	**772.43**	**773.86**
GP23B	777.11	742.36	756.36	751.36	**766.40**	**765.64**
GP24A	778.12	760.25	765.25	760.25	**772.14**	**774.69**
GP24B	777.85	750.83	755.83	750.83	**762.81**	--
GP25A	778.25	765.72	770.72	765.72	767.54	**774.07**
GP25B	778.09	742.74	749.74	744.74	**772.11**	**761.40**
GP26A	780.85	759.20	764.20	759.20	**771.78**	--
GP26B	779.70	745.25	752.25	747.25	**763.37**	--
GP27A	777.53	765.40	770.40	765.40	**772.27**	**773.18**
GP27B	777.43	742.50	749.50	744.50	**768.85**	**756.53**
GP28A	775.41	762.28	764.28	762.28	**766.85**	--
GP28B	774.93	757.25	760.25	757.25	**770.61**	--
GP28C	775.22	740.29	747.29	742.29	**770.88**	--
GP29A	778.05	762.69	764.69	762.69	**772.53**	**773.70**
GP29B	777.89	742.59	749.59	744.59	**768.71**	**768.69**
GP30A	778.37	766.27	771.27	769.27	**774.02**	--
GP30B	778.22	755.16	760.16	755.16	**770.71**	--
GP31A	777.61	765.24	770.24	768.24	770.14	--
GP31B	777.22	754.13	759.13	754.13	**762.34**	**766.70**
GP32A	775.75	757.78	762.78	757.78	**764.07**	--
GP32B	776.42	740.85	747.85	742.85	**764.17**	**764.95**
GP33A	790.89	769.76	774.76	769.76	**776.77**	--
GP33B	790.89	755.45	760.45	755.45	**778.05**	--
GP34A	796.90	775.61	780.61	775.61	**782.89**	--
GP34B	796.70	761.60	767.10	762.10	**781.85**	--
GP35A	779.00	767.43	769.43	767.43	**772.11**	**774.18**
GP35B	778.77	755.54	760.54	755.54	**767.85**	**775.10**
GP37A	776.68	755.77	760.77	755.77	**764.30**	**765.02**
GP37B	777.13	741.83	748.83	743.83	**764.39**	--
MW201D	NA	NA	718.80	708.80	--	--
MW201S	770.18	748.65	763.00	748.00	--	**765.17**
MW202	775.79	757.09	767.80	752.80	--	764.96
MW203	773.02	755.60	765.50	750.50	--	765.09
MW204D[3]	778.52	725.32	756.50	742.00	**759.43**	**759.58**
MW204S[4]	777.78	745.16	734.20	724.20	**753.14**	**753.48**
P1A	811.38	762.87	762.31	760.31	**794.49**	--
P3A	802.00	781.13	767.77	765.77	**797.47**	--
P4C	798.15	790.97	791.10	790.10	**791.70**	--
P5A	793.14	775.3	769.54	767.54	**784.73**	--
P6C	786.05	776.48	776.63	774.63	**779.80**	--

Table 4 (continued)
Summary of Groundwater Elevation Data – MNL Locations
Mallard North Landfill
Forest Preserve District of DuPage County

WELL NO.	TOC ELEVATION (ft a.m.s.l.)	BOTTOM OF WELL OR TOP OF SEDIMENT AS MEASURED (ft a.m.s.l.)	TOP OF SCREEN (ft a.m.s.l.)	BOTTOM OF SCREEN (ft a.m.s.l.)	GROUNDWATER ELEVATION (ft a.m.s.l.)	
					4/28/2010	8/16/2010
P7A	781.34	765.46	765.91	763.91	**776.53**	--
P7B	781.37	773.95	774.48	772.48	**776.11**	--
P117B	774.25	751.02	721.31	719.31	--	**758.90**
P118B	773.04	739.97	723.76	721.76	--	**757.71**
P119B	778.07	718.20	721.31	719.31	--	**756.87**
P121B	776.13	723.25	723.61	721.61	--	**758.38**

Notes:

"--" - not measured

NA - not available

774.85 - Bold indicates that the screen is completely submerged

1. G116R was installed in May 2010 to replace G116, which has a cracked well casing. Elevations are approximate.
2. G120DR was installed in May 2010 to replace G120D, which has a cracked well casing. Elevations are approximate.
3. MW204D is the shallow well at this well nest. It is labeled as MW-204D in the field.
4. MW204S is the deep well at this well nest. It is labeled as MW-204S in the field.

By:

Checked:

Table 5

Summary of Groundwater Elevation Data – Northeast Area Locations [1]

Mallard North Landfill

Forest Preserve District of DuPage County

WELL NO.	GROUND ELEVATION (ft a.m.s.l.)	TOP OF SCREEN (ft a.m.s.l.)	BOTTOM OF SCREEN (ft a.m.s.l.)	GROUNDWATER ELEVATION (ft a.m.s.l.)	
				4/29/2010	4/18/2011
ML-01	NA	NA	NA	--	
ML-02	NA	NA	NA	--	--
ML-03	NA	NA	NA	--	--
ML-06D	792.95	745.0	740	**757.14**	**758.40**
ML-06I	792.81	769.5	750.3	758.23	756.05
ML-06S	792.53	787.3	777.5	<778.02	781.10
ML-07	789.06	750.1	740.1	--	--
ML-08D	791.34	744.2	724.6	**753.71**	**753.43**
ML-08I	791.26	771.2	751.6	757.27	754.06
ML-08S	791.31	788.3	773.6	786.17	788.28
ML-09D	794.23	733.6	724	**748.95**	**749.21**
ML-09I	794.14	770.0	750.4	759.18	756.58
ML-09S	794.10	788.1	773.4	787.77	**792.84**
ML-10D	797.64	732.5	722.9	**748.74**	**750.09**
ML-10I	798.04	771.7	752.3	**775.39**	**791.81**
ML-10S	798.09	795.0	775.4	794.44	**797.49**
ML-11	787.07	767.6	747.8	**780.67**	--
ML-11D	787.15	743.1	723.5	**750.24**	--
ML-12	791.21	772.1	752.5	**778.91**	--
ML-13I	800.74	763.3	753.3	759.31	--
ML-13S	800.77	780.4	770.4	**781.29**	774.32
ML-14	799.40	771.8	752.2	**792.91**	**794.47**
ML-15I	799.37	770.2	755.2	**783.13**	--
ML-15S	799.48	783.8	773.8	**797.77**	--
ML-16	798.29	762.8	752.8	**767.27**	--
ML-17	780.92	763.3	743.7	--	**777.37**
ML-18	769.57	764.6	749.8	**765.39**	**767.35**
ML-19	793.08	773.1	763.1	**776.91**	--
ML-20	797.78	757.8	747.8	757.30	--
ML-21	793.75	763.8	748.8	763.10	--
ML-22	792.89	765.4	760.4	**768.29**	--
ML-23	797.65	780.7	766	777.60	770.01
ML-24	788.09	770.1	765.1	**770.68**	--
ML-24S	NA	NA	NA	--	--
ML-25D	787.12	724.6	714.6	**752.78**	--
ML-25I	787.43	747.4	742.4	**771.52**	--
ML-25S	787.40	760.4	755.4	<773.45	--
ML-26I	780.82	753.3	749.8	**766.73**	--
ML-26S	780.83	760.3	755.3	**767.34**	**766.37**
ML-27	784.13	761.6	751.6	**767.90**	--
ML-28	797.83	777.8	767.8	**783.38**	--

Table 5 (continued)

Summary of Groundwater Elevation Data – Northeast Area Locations [1]

Mallard North Landfill

Forest Preserve District of DuPage County

WELL NO.	GROUND ELEVATION (ft a.m.s.l.)	TOP OF SCREEN (ft a.m.s.l.)	BOTTOM OF SCREEN (ft a.m.s.l.)	GROUNDWATER ELEVATION (ft a.m.s.l.)	
				4/29/2010	4/18/2011
ML-29	788.79	772.8	767.8	**773.45**	770.06
ML-29S	788.72	780.7	775.7	**787.43**	**787.12**
ML-30	788.28	768.3	763.3	**776.04**	--
ML-31	788.07	770.1	765.1	**773.14**	--
ML-32	797.23	777.2	767.2	**777.77**	--
ML-33	786.27	768.3	763.3	**771.18**	--
ML-34	787.15	768.2	758.2	767.50	--
ML-36	786.26	767.6	762.6	766.48	--

Notes:

"--" - not measured

NA - not available

774.85 - Bold indicates that the screen is completely submerged.

1. Groundwater elevations recorded by AECOM and provided to RMT.

By:

Checked:

Table 6A
IEPA Part 620 Class I Groundwater Quality Standard Exceedences -- April 2011
Mallard North Landfill, Hanover Park, Illinois

PARAMETER	UNITS	CLASS 1 STANDARD	WELL	DATE	RESULT	DATA FLAGS
BARIUM, DISSOLVED	UG/L	2000	G109	4/19/2011	2300	
			G109 DUP	4/19/2011	2200	
			G113	4/21/2011	4350	
			G120S	4/27/2011	2720	
			G120S DUP	4/27/2011	2690	
BARIUM, TOTAL	UG/L	2000	G109	4/19/2011	2300	
			G109 DUP	4/19/2011	2270	
			G113	4/21/2011	4550	
			G120S	4/27/2011	2390	
			G120S DUP	4/27/2011	2600	
BENZENE	UG/L	5	G122	4/26/2011	30.1	
BENZO(A)PYRENE	UG/L	0.2	P-119B	4/21/2011	0.3	
BORON, DISSOLVED	UG/L	2000	G113	4/21/2011	3120	
			G120S	4/27/2011	2260	
			G120S DUP	4/27/2011	2270	
			G122	4/26/2011	2110	
			GP-02B	4/25/2011	2470	
CADMIUM, DISSOLVED	UG/L	5	GP-29A	4/21/2011	6	
CADMIUM, TOTAL	UG/L	5	GP-23A	4/21/2011	25	
CHLORIDE	MG/L	200	G109	4/19/2011	670	
			G109 DUP	4/19/2011	820	
			G113	4/21/2011	1660	
			G114D	4/25/2011	760	
			G114S	4/25/2011	690	
			G115	4/25/2011	330	
			G116R	4/26/2011	940	
			G119	4/21/2011	1200	
			G120S	4/27/2011	1680	
			G120S DUP	4/27/2011	1740	
			G122	4/26/2011	660	
			GP-02B	4/25/2011	1110	
			GP-16A	4/22/2011	256	
			GP-16B	4/27/2011	256	
			GP-21A	4/22/2011	203	
			GP-23A	4/22/2011	336	
			GP-23B	4/22/2011	221	
			GP-24A	4/27/2011	600	
			GP-29A	4/22/2011	228	
			GP-30B	4/22/2011	1300	
			GP-32B	4/25/2011	277	
			MW-201D	4/26/2011	400	
			P-119B	4/21/2011	430	
			P-121B	4/20/2011	299	

Table 6A
IEPA Part 620 Class I Groundwater Quality Standard Exceedences – April 2011
Mallard North Landfill, Hanover Park, Illinois

PARAMETER	UNITS	CLASS 1 STANDARD	WELL	DATE	RESULT	DATA FLAGS
CHLORIDE, DISSOLVED	MG/L	200	G109	4/19/2011	840	
			G109 DUP	4/19/2011	830	
			G113	4/21/2011	1670	
			G114D	4/25/2011	810	
			G114S	4/25/2011	710	
			G115	4/25/2011	330	
			G116R	4/26/2011	950	
			G119	4/21/2011	1190	
			G120S	4/27/2011	1690	
			G120S DUP	4/27/2011	1720	
			G122	4/26/2011	670	
			GP-02B	4/25/2011	1140	
			GP-16A	4/21/2011	250	
			GP-21A	4/21/2011	218	
			GP-23A	4/21/2011	253	
			GP-23B	4/21/2011	202	
			GP-24A	4/27/2011	620	
			GP-29A	4/21/2011	231	
			GP-30B	4/21/2011	1360	
			GP-32B	4/25/2011	274	
			MW-201D	4/26/2011	420	
			P-119B	4/21/2011	430	
			P-121B	4/20/2011	304	
LEAD, TOTAL	UG/L	7.5	G120DR	4/27/2011	10	
			GP-04C	4/22/2011	65	
			GP-19	4/25/2011	27	
			GP-21A	4/21/2011	83	
			GP-23B	4/21/2011	10	
			GP-27B	4/26/2011	8	
			GP-35B	4/22/2011	14	
NITROGEN, NITRATE, DISSOLVED	MG/L	10	G115	4/25/2011	64.6	
SOLIDS, TOTAL DISSOLVED	MG/L	1200	G101	4/26/2011	1740	
			G109	4/19/2011	2880	
			G109 DUP	4/19/2011	2910	
			G113	4/21/2011	4660	
			G114D	4/25/2011	2650	
			G114S	4/25/2011	2460	
			G115	4/25/2011	1960	
			G116R	4/26/2011	1600	
			G119	4/21/2011	2660	
			G120S	4/27/2011	3970	
			G120S DUP	4/27/2011	4030	
			G122	4/26/2011	2450	
			G123S	4/27/2011	1360	
			GP-02A	4/22/2011	1900	
			GP-02B	4/25/2011	3770	

Table 6A
IEPA Part 620 Class I Groundwater Quality Standard Exceedences – April 2011
Mallard North Landfill, Hanover Park, Illinois

PARAMETER	UNITS	CLASS 1 STANDARD	WELL	DATE	RESULT	DATA FLAGS
SOLIDS, TOTAL DISSOLVED	MG/L	1200	GP-04C	4/25/2011	1490	
			GP-06	4/19/2011	1340	
			GP-16B	4/18/2011	1350	
			GP-16B	4/27/2011	3820	
			GP-20	4/19/2011	1450	
			GP-21A	4/22/2011	1490	
			GP-23A	4/22/2011	2570	
			GP-23B	4/22/2011	1610	
			GP-24A	4/27/2011	3660	
			GP-29A	4/22/2011	1560	
			GP-29B	4/18/2011	1490	
			GP-30B	4/22/2011	3270	
			GP-37A	4/19/2011	1230	
			MW-202	4/22/2011	1220	
			P-117B	4/20/2011	1720	
			P-118B	4/20/2011	2000	
			P-121B	4/20/2011	1350	
SULFATE, DISSOLVED	MG/L	400	G101	4/26/2011	780	
			G118	4/21/2011	620	
			G118 DUP	4/21/2011	505	
			GP-02A	4/21/2011	960	
			GP-20	4/19/2011	800	
			GP-21A	4/21/2011	537	
			GP-23A	4/21/2011	610	
			GP-23B	4/21/2011	534	
			GP-24A	4/27/2011	1170	
			GP-29A	4/21/2011	446	
			GP-29B	4/18/2011	840	
			P-117B	4/20/2011	1130	
			P-118B	4/20/2011	1160	

Table 6B
IEPA Part 620 Class II Groundwater Quality Standard Exceedences – April 2011
Mallard North Landfill, Hanover Park, Illinois

PARAMETER	UNITS	CLASS 2 STANDARD	WELL	DATE	RESULT	DATA FLAGS
BARIUM, DISSOLVED	UG/L	2000	G109	4/19/2011	2300	
			G109 DUP	4/19/2011	2200	
			G113	4/21/2011	4350	
			G120S	4/27/2011	2720	
			G120S DUP	4/27/2011	2690	
BARIUM, TOTAL	UG/L	2000	G109	4/19/2011	2300	
			G109 DUP	4/19/2011	2270	
			G113	4/21/2011	4550	
			G120S	4/27/2011	2390	
			G120S DUP	4/27/2011	2600	
BENZENE	UG/L	25	G122	4/26/2011	30.1	
BORON, DISSOLVED	UG/L	2000	G113	4/21/2011	3120	
			G120S	4/27/2011	2260	
			G120S DUP	4/27/2011	2270	
			G122	4/26/2011	2110	
			GP-02B	4/25/2011	2470	
CHLORIDE	MG/L	200	G109	4/19/2011	670	
			G109 DUP	4/19/2011	820	
			G113	4/21/2011	1660	
			G114D	4/25/2011	760	
			G114S	4/25/2011	690	
			G115	4/25/2011	330	
			G116R	4/26/2011	940	
			G119	4/21/2011	1200	
			G120S	4/27/2011	1680	
			G120S DUP	4/27/2011	1740	
			G122	4/26/2011	660	
			GP-02B	4/25/2011	1110	
			GP-16A	4/22/2011	256	
			GP-16B	4/27/2011	256	
			GP-21A	4/22/2011	203	
			GP-23A	4/22/2011	336	
			GP-23B	4/22/2011	221	
			GP-24A	4/27/2011	600	
			GP-29A	4/22/2011	228	
			GP-30B	4/22/2011	1300	
			GP-32B	4/25/2011	277	
			MW-201D	4/26/2011	400	
			P-119B	4/21/2011	430	
			P-121B	4/20/2011	299	
CHLORIDE, DISSOLVED	MG/L	200	G109	4/19/2011	840	
			G109 DUP	4/19/2011	830	
			G113	4/21/2011	1670	
			G114D	4/25/2011	810	
			G114S	4/25/2011	710	

Table 6B
IEPA Part 620 Class II Groundwater Quality Standard Exceedences – April 2011
Mallard North Landfill, Hanover Park, Illinois

PARAMETER	UNITS	CLASS 2 STANDARD	WELL	DATE	RESULT	DATA FLAGS
CHLORIDE, DISSOLVED	MG/L	200	G115	4/25/2011	330	
			G116R	4/26/2011	950	
			G119	4/21/2011	1190	
			G120S	4/27/2011	1690	
			G120S DUP	4/27/2011	1720	
			G122	4/26/2011	670	
			GP-02B	4/25/2011	1140	
			GP-16A	4/21/2011	250	
			GP-21A	4/21/2011	218	
			GP-23A	4/21/2011	253	
			GP-23B	4/21/2011	202	
			GP-24A	4/27/2011	620	
			GP-29A	4/21/2011	231	
			GP-30B	4/21/2011	1360	
			GP-32B	4/25/2011	274	
			MW-201D	4/26/2011	420	
			P-119B	4/21/2011	430	
			P-121B	4/20/2011	304	
SOLIDS, TOTAL DISSOLVED	MG/L	1200	G101	4/26/2011	1740	
			G109	4/19/2011	2880	
			G109 DUP	4/19/2011	2910	
			G113	4/21/2011	4660	
			G114D	4/25/2011	2650	
			G114S	4/25/2011	2460	
			G115	4/25/2011	1960	
			G116R	4/26/2011	1600	
			G119	4/21/2011	2660	
			G120S	4/27/2011	3970	
			G120S DUP	4/27/2011	4030	
			G122	4/26/2011	2450	
			G123S	4/27/2011	1360	
			GP-02A	4/22/2011	1900	
			GP-02B	4/25/2011	3770	
			GP-04C	4/25/2011	1490	
			GP-06	4/19/2011	1340	
			GP-16B	4/18/2011	1350	
			GP-16B	4/27/2011	3820	
			GP-20	4/19/2011	1450	
			GP-21A	4/22/2011	1490	
			GP-23A	4/22/2011	2570	
			GP-23B	4/22/2011	1610	
			GP-24A	4/27/2011	3660	
			GP-29A	4/22/2011	1560	
			GP-29B	4/18/2011	1490	
			GP-30B	4/22/2011	3270	
			GP-37A	4/19/2011	1230	

Table 6B
IEPA Part 620 Class II Groundwater Quality Standard Exceedences – April 2011
Mallard North Landfill, Hanover Park, Illinois

PARAMETER	UNITS	CLASS 2 STANDARD	WELL	DATE	RESULT	DATA FLAGS
SOLIDS, TOTAL DISSOLVED	MG/L	1200	MW-202	4/22/2011	1220	
			P-117B	4/20/2011	1720	
			P-118B	4/20/2011	2000	
			P-121B	4/20/2011	1350	
SULFATE, DISSOLVED	MG/L	400	G101	4/26/2011	780	
			G118	4/21/2011	620	
			G118 DUP	4/21/2011	505	
			GP-02A	4/21/2011	960	
			GP-20	4/19/2011	800	
			GP-21A	4/21/2011	537	
			GP-23A	4/21/2011	610	
			GP-23B	4/21/2011	534	
			GP-24A	4/27/2011	1170	
			GP-29A	4/21/2011	446	
			GP-29B	4/18/2011	840	
			P-117B	4/20/2011	1130	
			P-118B	4/20/2011	1160	

Table 7

Summary of Dissolved Methane Analytical Results

Mallard North Landfill

Forest Preserve District of DuPage County

WELL	JUNE 2010 RESULT[1] (ug/L)	APRIL 2011 RESULT[1] (ug/L)
G101	4.6	<2
G102	46.2	48.8
G102 DUP	--	37.4
G103	<2	<2
G103 DUP	--	<2
G105	<2	<2
G106	17.5	38.7
G106 DUP	14.6	--
G108	<2	<2
G108 DUP	<2	--
G109	4160[1]	2510[1]
G109 DUP	--	2440[1]
G112R	607	1010
G113	2070[1]	1640[1]
G114D	1500[1]	1160
G114S	4330[1]	955
G114S DUP	6430[1]	--
G115	22.3	200
G116R	660	1870[1]
G116R DUP	426	--
G118	<2	<2
G118 DUP	--	<2
G119	3590[1]	496
G120S	4760[1]	1490[1]
G120S DUP	--	1530[1]
G121	14.5	25.3
G122	2630[1]	3400[1]
G123S	<2	36.2
G120DR	186	199
GP-02A	64.1	855
GP-02B	5080[1]	2060[1]
GP-04B	7.6	<2
GP-04C	66.1	28.7
GP-06	<2	<2
GP-06 DUP	<2	--
GP-08B	--	5.1
GP-11B	15.5	19.4
GP-16A	573	489
GP-16B	414	45
GP-19	75.5	675

Table 7 (continued)
Summary of Dissolved Methane Analytical Results
Mallard North Landfill
Forest Preserve District of DuPage County

WELL	JUNE 2010 RESULT[1] (ug/L)	APRIL 2011 RESULT[1] (ug/L)
GP-20	3.4	9
GP-21A	48.2	11.2
GP-21B	65	3.3
GP-22A	3.3	<2
GP-22B	848	352
GP-23A	348	651
GP-23B	1080	476
GP-24A	243	520
GP-24B	610	494
GP-25A	31.8	113
GP-25B	471	962
GP-27A	<2	5.9
GP-27B	14.3	260
GP-29A	615	283
GP-29B	<2	3.9
GP-30B	3090[1]	1530[1]
GP-31B	2500[1]	4040[1]
GP-32B	24.8	225
GP-35A	<2	<2
GP-35B	329	79.6
GP-37A	84.4	4700[1]
MW-201D	241	207
MW-201S	8.4	26.9
MW-201S DUP	8	23.5
MW-202	<2	<2
MW-202 DUP	<2	--
MW-203	3.3	3
MW-203 DUP	--	3.9
MW-204D (shallow)	3270[1]	1550[1]
MW-204S (deep)	9.5	118
P-117B	25.1	64.8
P-118B	<2	20.1
P-119B	172	361
P-121B	409	190

Notes:

[1] Methane concentrations greater than 1,200 ug/L have been deemed elevated. A concentration of approximately 1,200 ug/L equates to approximately 5.0% methane in air, or 100% of the LEL for methane.

Checked by T. Koch 6/21/2011

Table 8A
IEPA Part 620 Class I Groundwater Quality Exceedences – June/July 2010 and April 2011
Mallard North Landfill, Hanover Park, Illinois

PARAMETER	UNITS	CLASS 1 STANDARD	WELL	DATE	RESULT	DATA FLAGS
ARSENIC, DISSOLVED	UG/L	50	G114D	6/21/2010	53	
			G114S	6/22/2010	55	
BARIUM, DISSOLVED	UG/L	2000	G109	4/19/2011	2300	
			G109 DUP	4/19/2011	2200	
			G113	6/17/2010	4250	
			G113	4/21/2011	4350	
			G120S	6/16/2010	4560	
			G120S	4/27/2011	2720	
			G120S DUP	4/27/2011	2690	
BARIUM, TOTAL	UG/L	2000	G109	4/19/2011	2300	
			G109 DUP	4/19/2011	2270	
			G113	6/17/2010	3900	
			G113	4/21/2011	4550	
			G120S	6/16/2010	4120	
			G120S	4/27/2011	2390	
			G120S DUP	4/27/2011	2600	
BENZENE	UG/L	5	G122	6/24/2010	23.5	
			G122	4/26/2011	30.1	
BENZO(A)PYRENE	UG/L	0.2	P-119B	4/21/2011	0.3	
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	6	GP-04C	6/17/2010	60	
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	6	GP-24B	6/30/2010	10	
BORON, DISSOLVED	UG/L	2000	G113	6/17/2010	2820	
			G113	4/21/2011	3120	
			G114D	6/21/2010	2830	
			G114S	6/22/2010	2130	
			G114S DUP	6/22/2010	2420	
			G120S	6/16/2010	2480	
			G120S	4/27/2011	2260	
			G120S DUP	4/27/2011	2270	
			G122	6/24/2010	2360	
			G122	4/26/2011	2110	
			GP-02B	6/15/2010	2520	
			GP-02B	4/25/2011	2470	
CADMIUM, DISSOLVED	UG/L	5	GP-29A	4/21/2011	6	
CADMIUM, TOTAL	UG/L	5	GP-23A	4/21/2011	25	
CHLORIDE	MG/L	200	G109	6/16/2010	840	
			G109	4/19/2011	670	
			G109 DUP	4/19/2011	820	
			G113	6/17/2010	1950	
			G113	4/21/2011	1660	

Table 8A
IEPA Part 620 Class I Groundwater Quality Exceedences – June/July 2010 and April 2011
Mallard North Landfill, Hanover Park, Illinois

PARAMETER	UNITS	CLASS 1 STANDARD	WELL	DATE	RESULT	DATA FLAGS
CHLORIDE	MG/L	200	G114D	6/21/2010	1060	
			G114D	4/25/2011	760	
			G114S	6/22/2010	920	
			G114S	4/25/2011	690	
			G114S DUP	6/22/2010	960	
			G115	4/25/2011	330	
			G116R	6/24/2010	1000	
			G116R	4/26/2011	940	
			G116R DUP	6/24/2010	1000	
			G119	6/25/2010	1150	
			G119	4/21/2011	1200	
			G120S	6/16/2010	2650	
			G120S	4/27/2011	1680	
			G120S DUP	4/27/2011	1740	
			G122	6/24/2010	710	
			G122	4/26/2011	660	
			GP-02B	6/15/2010	1220	
			GP-02B	4/25/2011	1110	
			GP-16A	6/29/2010	240	
			GP-16A	4/22/2011	256	
			GP-16B	7/1/2010	250	
			GP-16B	4/27/2011	256	
			GP-21A	4/22/2011	203	
			GP-23A	7/2/2010	480	
			GP-23A	4/22/2011	336	
			GP-23B	4/22/2011	221	
			GP-24A	4/27/2011	600	
			GP-29A	6/29/2010	290	
			GP-29A	4/22/2011	228	
			GP-30B	7/1/2010	1300	
			GP-30B	4/22/2011	1300	
			GP-32B	4/25/2011	277	
			MW-201D	6/23/2010	390	
			MW-201D	4/26/2011	400	
			P-119B	6/30/2010	330	
			P-119B	4/21/2011	430	
			P-121B	6/16/2010	300	
			P-121B	4/20/2011	299	
CHLORIDE, DISSOLVED	MG/L	200	G109	6/16/2010	820	
			G109	4/19/2011	840	
			G109 DUP	4/19/2011	830	
			G113	6/17/2010	1950	
			G113	4/21/2011	1670	
			G114D	6/21/2010	1100	
			G114D	4/25/2011	810	
			G114S	6/22/2010	840	
			G114S	4/25/2011	710	
			G114S DUP	6/22/2010	800	
			G115	4/25/2011	330	

Table 8A
IEPA Part 620 Class I Groundwater Quality Exceedences – June/July 2010 and April 2011
Mallard North Landfill, Hanover Park, Illinois

PARAMETER	UNITS	CLASS 1 STANDARD	WELL	DATE	RESULT	DATA FLAGS
CHLORIDE, DISSOLVED	MG/L	200	G116R	6/24/2010	1000	
			G116R	4/26/2011	950	
			G116R DUP	6/24/2010	1000	
			G119	6/25/2010	1150	
			G119	4/21/2011	1190	
			G120S	6/16/2010	2650	
			G120S	4/27/2011	1690	
			G120S DUP	4/27/2011	1720	
			G122	6/24/2010	720	
			G122	4/26/2011	670	
			GP-02B	6/15/2010	1220	
			GP-02B	4/25/2011	1140	
			GP-16A	6/29/2010	240	
			GP-16A	4/21/2011	250	
			GP-16B	7/1/2010	250	
			GP-21A	4/21/2011	218	
			GP-23A	7/1/2010	480	
			GP-23A	4/21/2011	253	
			GP-23B	4/21/2011	202	
			GP-24A	7/2/2010	590	
			GP-24A	4/27/2011	620	
			GP-29A	6/29/2010	280	
			GP-29A	4/21/2011	231	
			GP-30B	7/1/2010	1300	
			GP-30B	4/21/2011	1360	
			GP-32B	4/25/2011	274	
			MW-201D	6/23/2010	390	
			MW-201D	4/26/2011	420	
			P-119B	6/30/2010	330	
			P-119B	4/21/2011	430	
			P-121B	6/16/2010	280	
			P-121B	4/20/2011	304	
LEAD, TOTAL	UG/L	7.5	G120DR	4/27/2011	10	
			G151R	6/16/2010	22	
			GP-04C	4/22/2011	65	
			GP-16B	6/22/2010	28	
			GP-19	6/16/2010	15	
			GP-19	4/25/2011	27	
			GP-21A	6/29/2010	10	
			GP-21A	4/21/2011	83	
			GP-22A	7/1/2010	14	
			GP-23B	4/21/2011	10	
			GP-24B	6/30/2010	8	
			GP-27B	4/26/2011	8	
			GP-35B	4/22/2011	14	
			GP-37A	6/30/2010	34	
			P-119B	6/30/2010	11	

Table 8A
IEPA Part 620 Class I Groundwater Quality Exceedences – June/July 2010 and April 2011
Mallard North Landfill, Hanover Park, Illinois

PARAMETER	UNITS	CLASS 1 STANDARD	WELL	DATE	RESULT	DATA FLAGS
NITROGEN, NITRATE, DISSOLVED	MG/L	10	G115	6/24/2010	33.8	
			G115	4/25/2011	64.6	
SOLIDS, TOTAL DISSOLVED	MG/L	1200	G101	6/15/2010	1660	
			G101	4/26/2011	1740	
			G109	6/16/2010	2820	
			G109	4/19/2011	2880	
			G109 DUP	4/19/2011	2910	
			G113	6/17/2010	5020	
			G113	4/21/2011	4660	
			G114D	6/21/2010	3220	
			G114D	4/25/2011	2650	
			G114S	6/22/2010	2670	
			G114S	4/25/2011	2460	
			G114S DUP	6/22/2010	2630	
			G115	6/24/2010	1360	
			G115	4/25/2011	1960	
			G116R	6/24/2010	3530	
			G116R	4/26/2011	1600	
			G116R DUP	6/24/2010	3620	
			G118	6/24/2010	1240	
			G119	6/25/2010	2940	
			G119	4/21/2011	2660	
			G120S	6/16/2010	5580	
			G120S	4/27/2011	3970	
			G120S DUP	4/27/2011	4030	
			G122	6/24/2010	2440	
			G122	4/26/2011	2450	
			G123S	6/24/2010	1330	
			G123S	4/27/2011	1360	
			GP-02A	6/16/2010	1220	
			GP-02A	4/22/2011	1900	
			GP-02B	6/15/2010	3910	
			GP-02B	4/25/2011	3770	
			GP-04C	4/25/2011	1490	
			GP-06	6/14/2010	1210	
			GP-06	4/19/2011	1340	
			GP-06 DUP	6/22/2010	1220	
			GP-16B	7/1/2010	1590	
			GP-16B	4/18/2011	1350	
			GP-16B	4/27/2011	3820	
			GP-20	6/29/2010	1940	
			GP-20	4/19/2011	1450	
			GP-21A	7/1/2010	1480	
			GP-21A	4/22/2011	1490	
			GP-23A	7/2/2010	3100	
			GP-23A	4/22/2011	2570	
			GP-23B	4/22/2011	1610	
			GP-24A	4/27/2011	3660	
			GP-29A	6/29/2010	1690	

Table 8A
IEPA Part 620 Class I Groundwater Quality Exceedences -- June/July 2010 and April 2011
Mallard North Landfill, Hanover Park, Illinois

PARAMETER	UNITS	CLASS 1 STANDARD	WELL	DATE	RESULT	DATA FLAGS
SOLIDS, TOTAL DISSOLVED	MG/L	1200	GP-29A	4/22/2011	1560	
			GP-29B	6/24/2010	1590	
			GP-29B	4/18/2011	1490	
			GP-30B	7/1/2010	3830	
			GP-30B	4/22/2011	3270	
			GP-31B	6/29/2010	1350	
			GP-37A	4/19/2011	1230	
			MW-202	4/22/2011	1220	
			MW-204D	6/28/2010	1260	
			P-117B	6/15/2010	1730	
			P-117B	4/20/2011	1720	
			P-118B	6/29/2010	2140	
			P-118B	4/20/2011	2000	
			P-121B	6/16/2010	1390	
			P-121B	4/20/2011	1350	
SULFATE, DISSOLVED	MG/L	400	G101	6/15/2010	690	
			G101	4/26/2011	780	
			G118	6/24/2010	560	
			G118	4/21/2011	620	
			G118 DUP	4/21/2011	505	
			GP-02A	6/16/2010	520	
			GP-02A	4/21/2011	960	
			GP-20	6/29/2010	940	
			GP-20	4/19/2011	800	
			GP-21A	7/1/2010	480	
			GP-21A	4/21/2011	537	
			GP-23A	7/1/2010	1100	
			GP-23A	4/21/2011	610	
			GP-23B	4/21/2011	534	
			GP-24A	7/2/2010	1070	
			GP-24A	4/27/2011	1170	
			GP-29A	4/21/2011	446	
			GP-29B	6/24/2010	900	
			GP-29B	6/29/2010	760	
			GP-29B	4/18/2011	840	
			GP-31B	6/29/2010	480	
			P-117B	6/15/2010	1050	
			P-117B	4/20/2011	1130	
			P-118B	6/29/2010	1210	
			P-118B	4/20/2011	1160	

Table 8B
IEPA Part 620 Class II Groundwater Quality Exceedences – June/July 2010 and April 2011
Mallard North Landfill, Hanover Park, Illinois

PARAMETER	UNITS	CLASS 2 STANDARD	WELL	DATE	RESULT	DATA FLAGS
ACETONE	UG/L	700	GP-04C	6/17/2010	1550	
			GP-30B	6/30/2010	6340	
BARIUM, DISSOLVED	UG/L	2000	G109	4/19/2011	2300	
			G109 DUP	4/19/2011	2200	
			G113	6/17/2010	4250	
			G113	4/21/2011	4350	
			G120S	6/16/2010	4560	
			G120S	4/27/2011	2720	
			G120S DUP	4/27/2011	2690	
BARIUM, TOTAL	UG/L	2000	G109	4/19/2011	2300	
			G109 DUP	4/19/2011	2270	
			G113	6/17/2010	3900	
			G113	4/21/2011	4550	
			G120S	6/16/2010	4120	
			G120S	4/27/2011	2390	
			G120S DUP	4/27/2011	2600	
BENZENE	UG/L	25	G122	4/26/2011	30.1	
BORON, DISSOLVED	UG/L	2000	G113	6/17/2010	2820	
			G113	4/21/2011	3120	
			G114D	6/21/2010	2830	
			G114S	6/22/2010	2130	
			G114S DUP	6/22/2010	2420	
			G120S	6/16/2010	2480	
			G120S	4/27/2011	2260	
			G120S DUP	4/27/2011	2270	
			G122	6/24/2010	2360	
			G122	4/26/2011	2110	
			GP-02B	6/15/2010	2520	
			GP-02B	4/25/2011	2470	
CHLORIDE	MG/L	200	G109	6/16/2010	840	
			G109	4/19/2011	670	
			G109 DUP	4/19/2011	820	
			G113	6/17/2010	1950	
			G113	4/21/2011	1660	
			G114D	6/21/2010	1060	
			G114D	4/25/2011	760	
			G114S	6/22/2010	920	
			G114S	4/25/2011	690	
			G114S DUP	6/22/2010	960	
			G115	4/25/2011	330	
			G116R	6/24/2010	1000	
			G116R	4/26/2011	940	
			G116R DUP	6/24/2010	1000	
			G119	6/25/2010	1150	
			G119	4/21/2011	1200	

Table 8B
IEPA Part 620 Class II Groundwater Quality Exceedences – June/July 2010 and April 2011
Mallard North Landfill, Hanover Park, Illinois

PARAMETER	UNITS	CLASS 2 STANDARD	WELL	DATE	RESULT	DATA FLAGS
CHLORIDE	MG/L	200	G120S	6/16/2010	2650	
			G120S	4/27/2011	1680	
			G120S DUP	4/27/2011	1740	
			G122	6/24/2010	710	
			G122	4/26/2011	660	
			GP-02B	6/15/2010	1220	
			GP-02B	4/25/2011	1110	
			GP-16A	6/29/2010	240	
			GP-16A	4/22/2011	256	
			GP-16B	7/1/2010	250	
			GP-16B	4/27/2011	256	
			GP-21A	4/22/2011	203	
			GP-23A	7/2/2010	480	
			GP-23A	4/22/2011	336	
			GP-23B	4/22/2011	221	
			GP-24A	4/27/2011	600	
			GP-29A	6/29/2010	290	
			GP-29A	4/22/2011	228	
			GP-30B	7/1/2010	1300	
			GP-30B	4/22/2011	1300	
			GP-32B	4/25/2011	277	
			MW-201D	6/23/2010	390	
			MW-201D	4/26/2011	400	
			P-119B	6/30/2010	330	
			P-119B	4/21/2011	430	
			P-121B	6/16/2010	300	
			P-121B	4/20/2011	299	
CHLORIDE, DISSOLVED	MG/L	200	G109	6/16/2010	820	
			G109	4/19/2011	840	
			G109 DUP	4/19/2011	830	
			G113	6/17/2010	1950	
			G113	4/21/2011	1670	
			G114D	6/21/2010	1100	
			G114D	4/25/2011	810	
			G114S	6/22/2010	840	
			G114S	4/25/2011	710	
			G114S DUP	6/22/2010	800	
			G115	4/25/2011	330	
			G116R	6/24/2010	1000	
			G116R	4/26/2011	950	
			G116R DUP	6/24/2010	1000	
			G119	6/25/2010	1150	
			G119	4/21/2011	1190	
			G120S	6/16/2010	2650	
			G120S	4/27/2011	1690	
			G120S DUP	4/27/2011	1720	
			G122	6/24/2010	720	
			G122	4/26/2011	670	
			GP-02B	6/15/2010	1220	

Table 8B
IEPA Part 620 Class II Groundwater Quality Exceedences – June/July 2010 and April 2011
Mallard North Landfill, Hanover Park, Illinois

PARAMETER	UNITS	CLASS 2 STANDARD	WELL	DATE	RESULT	DATA FLAGS
CHLORIDE, DISSOLVED	MG/L	200	GP-02B	4/25/2011	1140	
			GP-16A	6/29/2010	240	
			GP-16A	4/21/2011	250	
			GP-16B	7/1/2010	250	
			GP-21A	4/21/2011	218	
			GP-23A	7/1/2010	480	
			GP-23A	4/21/2011	253	
			GP-23B	4/21/2011	202	
			GP-24A	7/2/2010	590	
			GP-24A	4/27/2011	620	
			GP-29A	6/29/2010	280	
			GP-29A	4/21/2011	231	
			GP-30B	7/1/2010	1300	
			GP-30B	4/21/2011	1360	
			GP-32B	4/25/2011	274	
			MW-201D	6/23/2010	390	
			MW-201D	4/26/2011	420	
			P-119B	6/30/2010	330	
			P-119B	4/21/2011	430	
			P-121B	6/16/2010	280	
			P-121B	4/20/2011	304	
SOLIDS, TOTAL DISSOLVED	MG/L	1200	G101	6/15/2010	1660	
			G101	4/26/2011	1740	
			G109	6/16/2010	2820	
			G109	4/19/2011	2880	
			G109 DUP	4/19/2011	2910	
			G113	6/17/2010	5020	
			G113	4/21/2011	4660	
			G114D	6/21/2010	3220	
			G114D	4/25/2011	2650	
			G114S	6/22/2010	2670	
			G114S	4/25/2011	2460	
			G114S DUP	6/22/2010	2630	
			G115	6/24/2010	1360	
			G115	4/25/2011	1960	
			G116R	6/24/2010	3530	
			G116R	4/26/2011	1600	
			G116R DUP	6/24/2010	3620	
			G118	6/24/2010	1240	
			G119	6/25/2010	2940	
			G119	4/21/2011	2660	
			G120S	6/16/2010	5580	
			G120S	4/27/2011	3970	
			G120S DUP	4/27/2011	4030	
			G122	6/24/2010	2440	
			G122	4/26/2011	2450	
			G123S	6/24/2010	1330	
			G123S	4/27/2011	1360	
			GP-02A	6/16/2010	1220	

Table 8B
IEPA Part 620 Class II Groundwater Quality Exceedences – June/July 2010 and April 2011
Mallard North Landfill, Hanover Park, Illinois

PARAMETER	UNITS	CLASS 2 STANDARD	WELL	DATE	RESULT	DATA FLAGS
SOLIDS, TOTAL DISSOLVED	MG/L	1200	GP-02A	4/22/2011	1900	
			GP-02B	6/15/2010	3910	
			GP-02B	4/25/2011	3770	
			GP-04C	4/25/2011	1490	
			GP-06	6/14/2010	1210	
			GP-06	4/19/2011	1340	
			GP-06 DUP	6/22/2010	1220	
			GP-16B	7/1/2010	1590	
			GP-16B	4/18/2011	1350	
			GP-16B	4/27/2011	3820	
			GP-20	6/29/2010	1940	
			GP-20	4/19/2011	1450	
			GP-21A	7/1/2010	1480	
			GP-21A	4/22/2011	1490	
			GP-23A	7/2/2010	3100	
			GP-23A	4/22/2011	2570	
			GP-23B	4/22/2011	1610	
			GP-24A	4/27/2011	3660	
			GP-29A	6/29/2010	1690	
			GP-29A	4/22/2011	1560	
			GP-29B	6/24/2010	1590	
			GP-29B	4/18/2011	1490	
			GP-30B	7/1/2010	3830	
			GP-30B	4/22/2011	3270	
			GP-31B	6/29/2010	1350	
			GP-37A	4/19/2011	1230	
			MW-202	4/22/2011	1220	
			MW-204D	6/28/2010	1260	
			P-117B	6/15/2010	1730	
			P-117B	4/20/2011	1720	
			P-118B	6/29/2010	2140	
			P-118B	4/20/2011	2000	
			P-121B	6/16/2010	1390	
			P-121B	4/20/2011	1350	
SULFATE, DISSOLVED	MG/L	400	G101	6/15/2010	690	
			G101	4/26/2011	780	
			G118	6/24/2010	560	
			G118	4/21/2011	620	
			G118 DUP	4/21/2011	505	
			GP-02A	6/16/2010	520	
			GP-02A	4/21/2011	960	
			GP-20	6/29/2010	940	
			GP-20	4/19/2011	800	
			GP-21A	7/1/2010	480	
			GP-21A	4/21/2011	537	
			GP-23A	7/1/2010	1100	
			GP-23A	4/21/2011	610	
			GP-23B	4/21/2011	534	
			GP-24A	7/2/2010	1070	

Table 8B
IEPA Part 620 Class II Groundwater Quality Exceedences – June/July 2010 and April 2011
Mallard North Landfill, Hanover Park, Illinois

PARAMETER	UNITS	CLASS 2 STANDARD	WELL	DATE	RESULT	DATA FLAGS
SULFATE, DISSOLVED	MG/L	400	GP-24A	4/27/2011	1170	
			GP-29A	4/21/2011	446	
			GP-29B	6/24/2010	900	
			GP-29B	6/29/2010	760	
			GP-29B	4/18/2011	840	
			GP-31B	6/29/2010	480	
			P-117B	6/15/2010	1050	
			P-117B	4/20/2011	1130	
			P-118B	6/29/2010	1210	
			P-118B	4/20/2011	1160	

Table 9
Proposed Groundwater Monitoring Program – Monitoring Locations
Mallard North Landfill
Forest Preserve District of DuPage County

AREA	CURRENT MONITORING WELL	FORMATION MONITORED	JUNE 2010 MONITORING ROUND GROUNDWATER ISSUE[5]	APRIL 2011 MONITORING ROUND GROUNDWATER ISSUE[5]	LOCATION	INCLUDE IN REVISED MONITORING PROGRAM?	REASON FOR REMOVING MONITORING WELL FROM PROGRAM[6] / COMMENTS
North Side [1]	**GP-6**	**shallow silty sand lens**	**None**	**None**	**Upgradient**	**Yes**	**N/A**
	G-101	deep silty clay	Sulfate	Sulfate	Upgradient	No	Extremely slow recovery
	GP-8B	deep clayey gravel lens (W1/W2)	None	None	Upgradient	No	<100' from G-102, no exceedences, extremely slow recovery
	G-102	**deep sand/gravel lens (W1/W2)**	**None**	**None**	**Upgradient**	**Yes**	**N/A**
	G-103	deep sand/gravel lens (W1/W2)	None	None	Upgradient	No	G103 is less than 150' from G102, no exceedences
	GP-11B	gravel lens (W1/W2)	None	None	Upgradient	No	Adjacent to G-105, no exceedences, extremely slow recovery
	G-105	**deeper sand lens**	**None**	**None**	**Upgradient**	**Yes**	**N/A**
	G-106	sand and gravel lens (W1/W2)	None	None	Upgradient	No	<150' from G-105, no exceedences
	G-108	**sand lens (W1/W2)**	**None**	**None**	**Upgradient**	**Yes**	**N/A**
West Side [2]	GP-4B	shallow sand and gravel lens	None	None	Side Gradient	No	<250' from GP-6, no exceedences, slow recovery
	GP-4C	**deep sand lens (W1/W2)**	**Bis-2-ethylhexyl phthalate**	**Lead**	**Side Gradient**	**Yes**	**N/A, slow recovery**
	GP-2A	**shallow sandy clay lens**	**Sulfate**	**Sulfate**	**Side Gradient**	**Yes**	**N/A**
	GP-2B	**deep sandy clay lens (W1/W2)**	**Methane (5,080 ug/L), Boron, Chloride**	**Methane (2,060 ug/L), Boron, Chloride**	**Side Gradient**	**Yes**	**N/A**
	G-116R	**deep silty clay**	**Chloride**	**Methane (1,860 ug/L), Chloride**	**Side Gradient**	**Yes**	**N/A**
	G-123S	shallow sand layer.	None	None	Downgradient	No	<150' from GP-37A and GP-2B, no exceedences
	GP-37A	**shallow sand layer (W1/W2)**	**Lead**	**Methane (1,550 ug/L)**	**Downgradient**	**Yes**	**N/A**
	G-115	intermediate sand layer (W1/W2)	Nitrate	Chloride, Nitrate	Downgradient	No	<100' from GP-37A, same sand layer as GP-37A, nitrate is the only exceedence
	GP-32B	deeper sand layer (W1/W2)	None	Chloride	Downgradient	No	<100' from GP-37A, same sand layer as GP-37A, no exceedences
	G-122	**sand and gravel layer (W1/W2)**	**Methane (2,630 ug/L), Benzene, Boron, Chloride**	**Methane (3,400 ug/L), Benzene, Boron, Chloride**	**Downgradient**	**Yes**	**N/A**
	MW-201S	**shallow gravel layer (W1/W2)**	**None**	**None**	**Across river**	**Yes**	**N/A**
	MW-201D	**deeper silty sand layer**	**Chloride**	**Chloride**	**Across river**	**Yes**	**N/A**
	G-114S	**shallow sand/gravel layer (W1/W2)**	**Methane (6,430 ug/L), Arsenic, Boron, Chloride**	**Chloride**	**Downgradient**	**Yes**	**N/A**
	G-114D	**deep silt layer**	**Methane (1,500 ug/L) , Arsenic, Boron, Chloride**	**Chloride**	**Downgradient**	**Yes**	**N/A**
South Side [3]	**MW-202**	**shallow gravel layer (W1/W2)**	**None**	**None**	**Across river**	**Yes**	**N/A**
	G-121	shallow sand/gravel layer (W1/W2)	None	None	Downgradient	No	<150' from G-113, no exceedences
	P-121B	deep sand and gravel layer.	Chloride	Chloride, Sulfate	Downgradient	No	<200' from G-114D, Cl is the only exceedence
	MW-203	**shallow gravel layer (W1/W2)**	**None**	**None**	**Across river**	**Yes**	**N/A**
	G-113	**sand lens (W1/W2)**	**Methane (2,070 ug/L), Barium, Boron, Chloride**	**Methane (1,640 ug/L), Barium, Boron, Chloride**	**Downgradient**	**Yes**	**N/A**
	G-120S	**shallow sand lens (W1/W2)**	**Methane (4,760 ug/L), Barium, Boron, Chloride**	**Methane (1,490 ug/L), Barium, Boron, Chloride**	**Downgradient**	**Yes**	**N/A**
	G-120DR	**deep sand and gravel lens**	**Lead**	**Lead**	**Downgradient**	**Yes**	**N/A**
	GP-35A	shallow sand and gravel lens	None	None	Downgradient	No	<150' from G-120S, no exceedences
	GP-35B	Silty clay below base of WBDR	None	Lead	Downgradient	No	Between GP-31B and G-120S which are <300' apart, no exceedences
	GP-27A	shallow gravelly zone	None	None	Across river	No	<300' from MW-204 nest, extremely slow recovery, no exceedences
	GP-27B	deeper sandy/gravel zone (W1/W2)	None	Lead	Across river	No	<300' from MW-204 nest, no exceedences
	G-112R	deep sand lens	None	None	Downgradient	No	<250' from G-120DR and P-119B, no exceedences

Table 9 (continued)
Proposed Groundwater Monitoring Program – Monitoring Locations
Mallard North Landfill
Forest Preserve District of DuPage County

AREA	MONITORING WELL	FORMATION MONITORED	JUNE 2010 MONITORING ROUND GROUNDWATER ISSUE[5]		LOCATION	INCLUDE IN REVISED MONITORING PROGRAM?	REASON FOR REMOVING MONITORING WELL FROM PROGRAM[6]
South Side (continued)[3]	**GP-31B**	**shallow sandy clay lens (W1/W2)**	**Methane (2,500 ug/L), Sulfate**	**Methane (4,040 ug/L)**	**Downgradient**	**Yes**	**N/A**
	GP-25A	shallow gravelly lens	None	None	Across river	No	~100' from MW-204 nest, no exceedences, extremely slow recovery
	GP-25B	deeper silty clay	None	None	Across river	No	~100' from MW-204 nest, no exceedences, extremely slow recovery
	GP-24A	shallow gravelly lens (W1/W2)	Chloride, Sulfate	Chloride, Sulfate	Downgradient	No	<50' from GP-31B, extremely slow recovery
	GP-24B	deeper silty clay	Bis-2-ethylhexyl phthalate, Lead	None	Downgradient	No	<50' from GP-31B, slow recovery
	GP-23A	shallow silty clay	Chloride, Sulfate	Cadmium, Chloride, Sulfate	Downgradient	No	<150' from GP-31B, extremely slow recovery
	GP-23B	deeper silty clay	None	Chloride, Lead, Sulfate	Downgradient	No	Adjacent to G-119, , no exceedences, slow recovery
	MW-204S (deep)	**deep gravel and silty sand seams**	**None**	**None**	**Across river**	**Yes**	**N/A**
	MW-204D (shallow)	**shallow silty sand seam (W1/W2)**	**Methane (3,270 ug/L)**	**Methane (1,550 ug/L)**	**Across river**	**Yes**	**N/A**
	P-119B	**deep clayey silt layer.**	**Chloride, Lead**	**Chloride**	**Downgradient**	**Yes**	**N/A**
	G-119	**thin clayey sand seam**	**Methane (3,590 ug/L), Chloride**	**Chloride**	**Downgradient**	**Yes**	**N/A**
	GP-30B	**silty clay**	**Methane (3,090 ug/L), Chloride**	**Methane (1,530 ug/L), Chloride**	**Downgradient**	**Yes**	**N/A, slow recovery**
	GP-22A	**shallow silty clay**	**Lead**	**None**	**Across river**	**Yes**	**N/A, extremely slow recovery**
	GP-22B	**deep silty clay**	**None**	**None**	**Across river**	**Yes**	**N/A, slow recovery**
	GP-21A	thin granular lens (W1/W2)	Lead, Sulfate	Lead, Chloride, Sulfate	Downgradient	No	Between GP-19 and GP-30, which are ~ 300' apart. Extremely slow recovery
	GP-21B	thin granular lens	None	None	Downgradient	No	Between GP-19 and GP-30, which are ~ 300' apart. Extremely slow recovery
	GP-20	**thin sand and gravel lens (W1/W2)**	**Sulfate**	**Sulfate**	**Downgradient**	**Yes**	**N/A**
	MW-206	sand and gravel layers (W1/W2)	not sampled; does not exist	not sampled; does not exist	Across river	No	Not located, appears to be abandoned
East Side[4]	G-118	silty clay	Sulfate	Sulfate	Downgradient	No	Adjacent to GP-19, sulfate is the only exceedence
	P-118B	**deep granular zone**	**Sulfate**	**Sulfate**	**Downgradient**	**Yes**	**N/A**
	GP-19	**deep gravel lenses**	**Lead**	**Lead**	**Downgradient**	**Yes**	**N/A**
	GP-29A	shallow sand lens	Chloride	Chloride, Sulfate	Downgradient	No	<100' from GP-16A, chloride is the only exceedence, extremely slow recovery
	GP-29B	deep sandy clay (W1/W2)	Sulfate	Sulfate	Downgradient	No	<100' from GP-16B, sulfate is the only exceedence
	GP-16A	**shallow gravel lens (W1/W2)**	**Chloride**	**Chloride**	**Downgradient**	**Yes**	**N/A, extremely slow recovery**
	GP-16B	**deep sand and gravel lens**	**Chloride, Lead**	**Chloride**	**Downgradient**	**Yes**	**N/A, slow recovery**
	P-117B	**deeper granular zone**	**Sulfate**	**Sulfate**	**Downgradient**	**Yes**	**N/A**
	G-109	**shallow sand/gravel lens (W1/W2)**	**Methane (4,160 ug/L), Chloride**	**Methane (2,510 ug/L), Barium, Chloride**	**Downgradient**	**Yes**	**N/A**

34 Wells to be Sampled

Notes:

1. Refer to geologic cross section E-E', RMT August 2009
2. Refer to geologic cross section F-F', RMT August 2009
3. Refer to geologic cross section B-B', RMT August 2009
4. Refer to geologic cross section B-B', RMT August 2009
5. Exceedences are based on the IEPA 35 IAC Part 620 groundwater standards. TDS was not considered when evaluating exceedences. There is no 35 IAC Part 620 groundwater standard for dissolved methane; therefore, wells with over 1,200 ug/L dissolved methane were selected, as this equates to approximately 5.0% (by volume) in air.
6. The decision to include monitoring wells/probes in the proposed monitoring program is based on the analytical results from the June-July 2010 and April 2011 background monitoring events, the location of the well/probe, the formation monitored, the availability of groundwater at the well, and the horizontal separation distance to adjacent monitoring locations.

Bold = Recommended sample locations for the remaining baseline groundwater monitoring program.

Table 10
Proposed Groundwater Monitoring Program - Parameters
Mallard North Landfill
Forest Preserve District of DuPage County

CURRENT BASELINE PARAMETER	SPECIFIED IN 35 IAC PART 811.319(a)(2)?	35 IAC PART 620 GW STANDARD?	PROPOSED REMAINING BASELINE EVENTS[1]	REASON FOR MONITORING FREQUENCY
VOCs	No	Yes, some analytes	None	Only one Class I exceedence during the Events 1 and 2 (benzene)
SVOCs	No	Yes, some analytes	None	Only one Class I exceedence during the Event 1 (BEHP)
PAHs	No	Yes, some analytes	None	No exceedences during Events 1; Only 1 Class one exceedence)benzo(a)pyrene during Event 2
RCRA metals	--	--	--	--
Arsenic (t)	No	Yes	None	Results similar to dissolved values
Arsenic (d)	Yes	Yes	2 events	--
Barium (t)	No	Yes	None	Results similar to dissolved values
Barium (d)	No	Yes	2 events	--
Cadmium (t)	No	Yes	None	Results similar to dissolved values
Cadmium (d)	Yes	Yes	2 events	--
Chromium (t)	No	Yes	None	Results similar to dissolved values
Chromium (d)	Yes	Yes	2 events	--
Lead (t)	No	Yes	None	Results similar to dissolved values
Lead (d)	Yes	Yes	2 events	--
Mercury (t)	No	Yes	None	Results similar to dissolved values
Mercury (d)	Yes	Yes	2 events	--
Selenium (t)	No	Yes	None	Results similar to dissolved values
Selenium (d)	No	Yes	2 events	--
Silver (t)	No	Yes	None	Results similar to dissolved values
Silver (d)	No	Yes	2 events	--
Ammonia (d)	Yes	No	None	No exceedences during the 1st round
Boron (d)	Yes	Yes	2 events	--
BOD	No	No	None	Not specified in 35 IAC Part 620 or 811
COD	No	No	None	Not specified in 35 IAC Part 620 or 811
Chloride (t)	No	Yes	None	Results similar to dissolved values
Chloride (d)	Yes	Yes	2 events	--
Cyanide (t)	Yes	Yes	None	No exceedences during Events 1 and 2
Magnesium (d)	Yes	No	2 events	--
Methane	No	No	2 events	--
Nitrate (d)	Yes	Yes	2 events	--
Nitrates and Nitrites	No	No	None	Not specified in 35 IAC Part 620 or 811
Sulfate (d)	Yes	Yes	2 events	--
TDS	Yes	Yes	2 events	--
Zinc (d)	Yes	Yes	2 events	--
DO (field)	No	No	2 events	--
pH (field)	No	Yes	2 events	--
Redox (field)	No	No	2 events	--
Conductivity (field)	No	No	2 events	--
Temperature (field)	No	No	2 events	--
Turbidity (field)	No	No	2 events	--
QC SAMPLES	**SAMPLE FREQUENCY**			
Duplicates	one/10 samples			
MS/MSD	one/20 samples			
Trip Blanks	one/shipment			
Field Blanks	one/pump setup			

Notes:

(t) - total, unfiltered (d) - dissolved, filtered

[1] Four quarterly baseline monitoring events are planned. Two events have already occurred. If only a single round of monitoring is proposed for a parameter, the parameter will be monitored during round 3 of 4.

Table 11

Summary of Proposed Baseline Groundwater Monitoring Program - Events 3 and 4

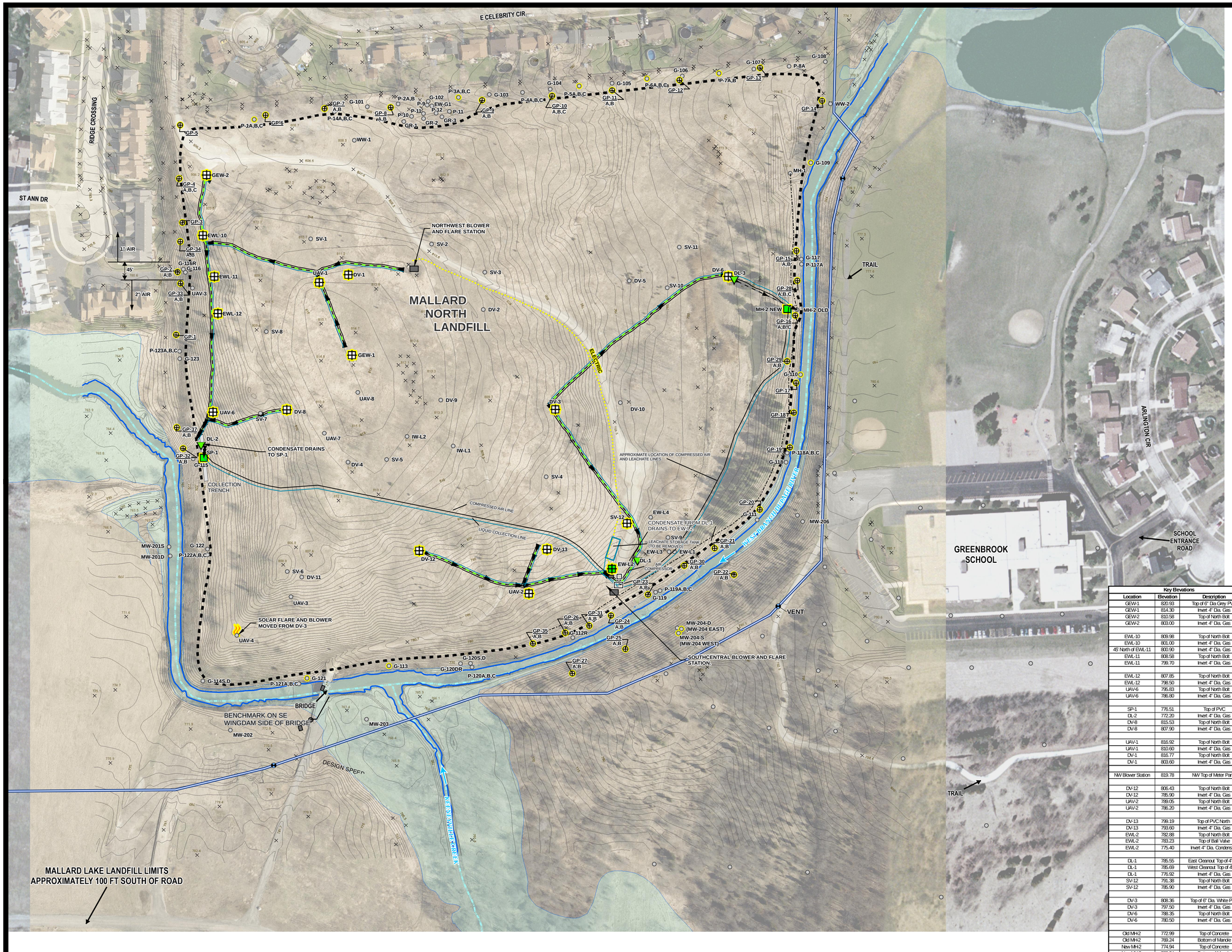
Mallard North Landfill

Forest Preserve District of DuPage County

INORGANICS	ORGANICS	FIELD PARAMETERS
Arsenic (d)	Methane	DO
Barium (d)		pH
Cadmium (d)		Redox
Chromium (d)		Conductivity
Lead (d)		Temperature
Mercury (d)		Turbidity (Visual)
Selenium (d)		
Silver (d)		
Boron (d)		
Chloride (d)		
Magnesium (d)		
Nitrate (d)		
Sulfate (d)		
Total Dissolved Solids		
Zinc (d)		
MONITORING LOCATIONS		
G-102	GP-16A	GP-6
G-105	GP-16B	MW-201D
G-108	GP-19	MW-201S
G-109	GP-20	MW-202
G-113	GP-22A	MW-203
G-114D	GP-22B	MW-204D (shallow)
G-114S	GP-2A	MW-204S (deep)
G-116R	GP-2B	P-117B
G-119	GP-30B	P-118B
G-120DR	GP-31B	P-119B
G-120S	GP-37A	
G-122	GP-4C	

Notes:

(d) - dissolved, filtered



LEGEND

- APPROXIMATE LANDFILL LIMITS
- REPORTED LEACHATE COLLECTION TRENCH (APPROXIMATE LOCATION)
- FEMA 100-YR FLOOD PLAIN
- APPROXIMATE RIVER & STREAM CENTERLINES
- TOPOGRAPHIC CONTOUR (CONTOUR INTERVAL IS ONE FOOT)
- 16" FORCE MAIN
- FORCE MAIN VENT
- LFG PROBE LOCATION (MONITORING LOCATION)
- LEACHATE EXTRACTION WELL (MONITORING LOCATION)
- DUAL LEACHATE/GAS EXTRACTION WELL (MONITORING LOCATION)
- PREVIOUSLY EXISTING WELL, PIPE, OR PROBE (MONITORING LOCATION)
- PREVIOUSLY EXISTING WELL, PIPE, OR PROBE
- LFG EXTRACTION WELL (MONITORING LOCATION)
- SOLAR FLARE (MONITORING LOCATION)
- COMPRESSED AIR LINE
- LEACHATE COLLECTION LINE
- DIRECT BURY ELECTRIC
- GAS HEADER/LATERAL PIPE
- BLOWER/FLARE STATION
- DRIPLEG
- DRIPLEG DRAIN
- CONDENSATE FLOW DIRECTION

NOTES:

1. BASE AERIAL IMAGE (SHOWN WEST OF 1037100' EASTING IN MAP COORDINATES) AND CONTOURS GENERATED BY THE BASE MAPPING CO. LTD. FOR FOREST PRESERVE DISTRICT OF DUPAGE COUNTY, APRIL 2009 (FLIGHT DATE 04/10/2009).
2. BASE AERIAL IMAGE (SHOWN EAST OF 1037100' EASTING IN MAP COORDINATES) FROM USGS URBAN IMAGERY DATASET, CHICAGO, IL, MARCH 2005.
3. ROAD DATA FROM ENVIRONMENTAL SYSTEMS RESEARCH INSTITUTE.
4. FEMA FLOOD PLAIN INFORMATION PROVIDED BY THE DUPAGE COUNTY, ILLINOIS GIS DEPARTMENT.
5. LANDFILL LIMITS AND SURFACE WATER FEATURES ESTIMATED BY AERIAL PHOTOGRAPH.
6. SAMPLE LOCATION DATA FROM MARTINEZ CORPORATION.
7. MAP PROJECTION & COORDINATE SYSTEM IS ILLINOIS STATE PLANE EAST NAD83.
8. APPROXIMATE HISTORICAL WELL AND PROBE LOCATIONS FROM DUPAGE COUNTY FOREST PRESERVE DISTRICT AND BFI. 2009 PROBE LOCATIONS FROM DIFFERENTIALLY CORRECTED GPS DATA COLLECTED BY RMT, JUNE 2009.
9. REPORTED LEACHATE COLLECTION TRENCH LOCATION IS SHOWN APPROXIMATELY BASED ON DRAWING NO. 1 CONTAINED IN REPORT TITLED "FEASIBILITY STUDY REPORT, MALLARD NORTH LANDFILL, HANOVER PARK, ILLINOIS", DATED NOVEMBER 1995 AND PREPARED BY EMCON.
10. FINAL TOPO ONSITE FROM WEAVER BOOS SURVEY NOVEMBER 2009.

Key Elevations

Location	Elevation	Description
GEW-1	820.93	Top of 6" Dia Grey PVC
GEW-1	814.30	Invert 4" Dia. Gas
GEW-2	810.58	Top of North Bolt
GEW-2	803.00	Invert 4" Dia. Gas
EWL-10	809.98	Top of North Bolt
EWL-10	801.00	Invert 4" Dia. Gas
45' North of EWL-11	800.90	Invert 4" Dia. Gas
EWL-11	808.58	Top of North Bolt
EWL-11	798.70	Invert 4" Dia. Gas
EWL-12	807.85	Top of North Bolt
EWL-12	798.50	Invert 4" Dia. Gas
UAV-6	795.63	Top of North Bolt
UAV-6	786.80	Invert 4" Dia. Gas
SP-1	778.51	Top of PVC
DL-2	772.20	Invert 4" Dia. Gas
DV-8	815.53	Top of North Bolt
DV-8	807.90	Invert 4" Dia. Gas
UAV-1	816.92	Top of North Bolt
UAV-1	810.60	Invert 4" Dia. Gas
DV-1	816.77	Top of North Bolt
DV-1	803.60	Invert 4" Dia. Gas
NAV Blower Station	819.78	NAV Top of Meter Panel
DV-12	806.43	Top of North Bolt
DV-12	785.90	Invert 4" Dia. Gas
UAV-2	789.05	Top of North Bolt
UAV-2	786.20	Invert 4" Dia. Gas
DV-13	799.19	Top of PVC North
DV-13	793.60	Invert 4" Dia. Gas
EWL-2	782.88	Top of North Bolt
EWL-2	783.23	Top of Ball Valve
EWL-2	775.40	Invert 4" Dia. Condensate
DL-1	785.55	East Cleanout Top of 4" Dia.
DL-1	785.69	West Cleanout Top of 4" Dia.
DL-1	776.92	Invert 4" Dia. Gas
SV-12	791.38	Top of North Bolt
SV-12	785.90	Invert 4" Dia. Gas
DV-3	808.36	Top of 6" Dia. White PVC
DV-3	797.50	Invert 4" Dia. Gas
DV-6	788.25	Top of North Bolt
DV-6	780.50	Invert 4" Dia. Gas
Old MH-2	772.99	Top of Concrete
Old MH-2	768.24	Bottom of Mandle
New MH-2	774.94	Top of Concrete
New MH-2	768.24	Bottom of Mandle

0 100 200 FEET

1 " = 100 '

1:1,200

PROJECT:

MALLARD NORTH LANDFILL
FOREST PRESERVE DISTRICT OF DUPAGE COUNTY

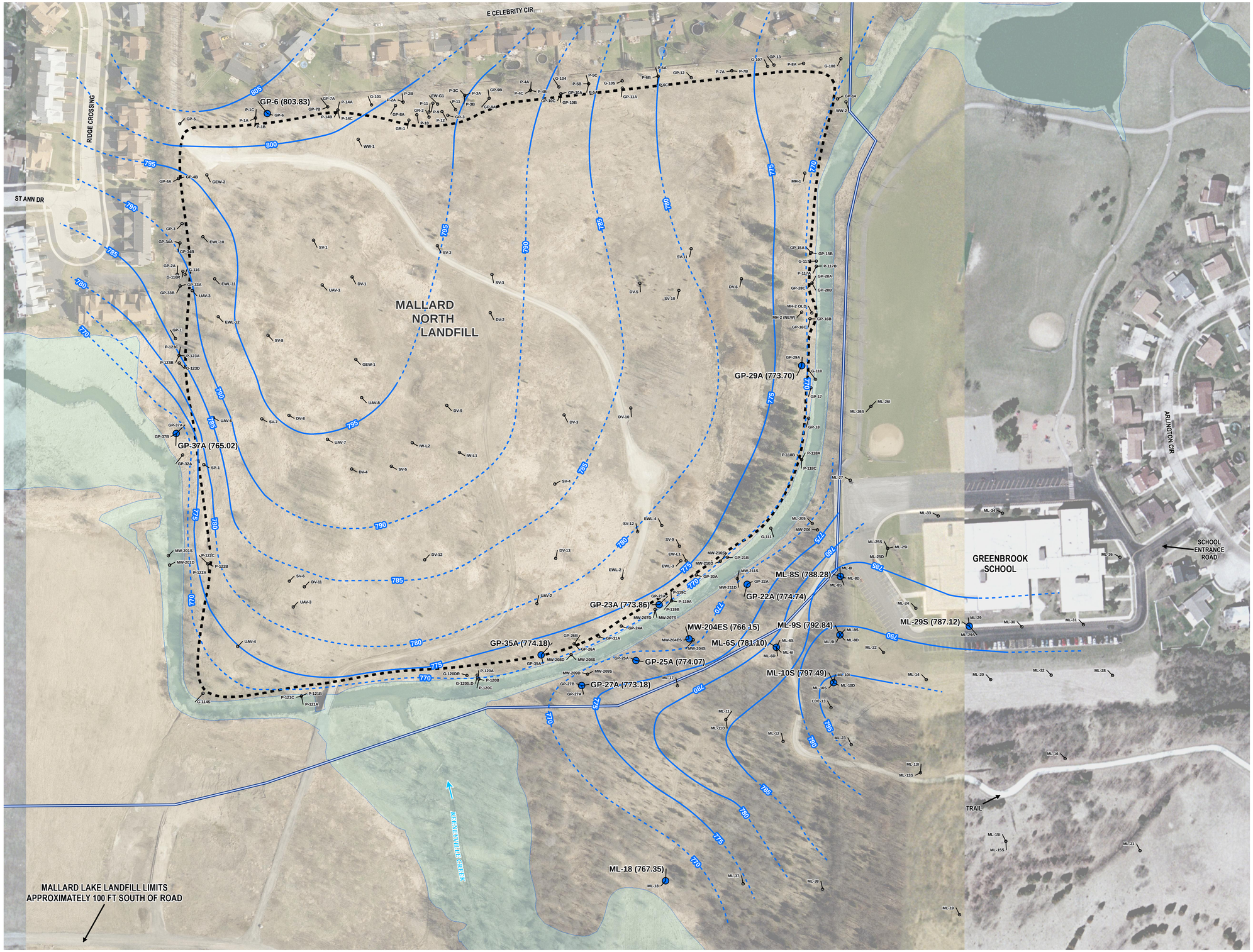
SHEET TITLE:

SITE LAYOUT

DRAWN BY: PAPEZ J	SCALE:	PROJ. NO.	01793.04.004
CHECKED BY: TEK	AS NOTED	FILE NO.	68090420.mxd
APPROVED BY: AJS	DATE PRINTED:	**FIGURE 1**	
DATE: July 2011			

TRC
744 Heartland Trail
Madison, WI 53717-1934
P.O. Box 8923 53708-8923
Phone: 608-831-4444
Fax: 608-831-3334

D:\PRE_TESS_PROJECTS\06809\04\MXD\68090420.mxd 06 Jul 2011



LEGEND

- WELL OR PROBE WITH WATER LEVEL MEASUREMENT
- APPROXIMATE LANDFILL LIMITS
- FEMA 100-YR FLOOD PLAIN
- EXISTING 16" FORCE MAIN
- WELL OR PROBE
- 780 SHALLOW WATER TABLE ELEVATION CONTOUR
- (DASHED WHERE INFERRED)

NOTES:

1. BASE AERIAL IMAGE (SHOWN WEST OF 1037100' EASTING IN MAP COORDINATES) AND CONTOURS GENERATED BY THE BASE MAPPING CO. LTD. FOR FOREST PRESERVE DISTRICT OF DUPAGE COUNTY, APRIL 2009 (FLIGHT DATE 04/10/2009).
2. BASE AERIAL IMAGE (SHOWN EAST OF 1037100' EASTING IN MAP COORDINATES) FROM USGS URBAN IMAGERY DATASET, CHICAGO, IL, MARCH 2005.
3. ROADS DATA FROM ENVIRONMENTAL SYSTEMS RESEARCH INSTITUTE.
4. FEMA FLOOD PLAIN INFORMATION PROVIDED BY THE DUPAGE COUNTY, ILLINOIS GIS DEPARTMENT.
5. LANDFILL LIMITS AND SURFACE WATER FEATURES ESTIMATED BY AERIAL PHOTOGRAPH.
6. SAMPLE LOCATION DATA FROM MARTINEZ CORPORATION.
7. MAP PROJECTION & COORDINATE SYSTEM IS ILLINOIS STATE PLANE EAST NAD83.
8. APPROXIMATE HISTORICAL WELL AND PROBE LOCATIONS FROM DUPAGE COUNTY FOREST PRESERVE DISTRICT AND BRI. 2009 PROBE LOCATIONS FROM DIFFERENTIALLY CORRECTED GPS DATA COLLECTED BY RMT, JUNE 2009.
9. REPORTED LEACHATE COLLECTION TRENCH LOCATION IS SHOWN APPROXIMATELY BASED ON DRAWING NO. 1 CONTAINED IN REPORT TITLED "FEASIBILITY STUDY REPORT, MALLARD NORTH LANDFILL, HANOVER PARK, ILLINOIS", DATED NOVEMBER 1995 AND PREPARED BY EMCON.
10. WATER LEVELS WERE COLLECTED BY RMT AND AECOM ON APRIL 18, 2011.

0 100 200 FEET

1 " = 100 '

1:1,200

PROJECT:
MALLARD NORTH LANDFILL
FOREST PRESERVE DISTRICT OF DUPAGE COUNTY

SHEET TITLE:
SHALLOW WATER TABLE MAP
(APRIL 2011 WATER LEVELS)

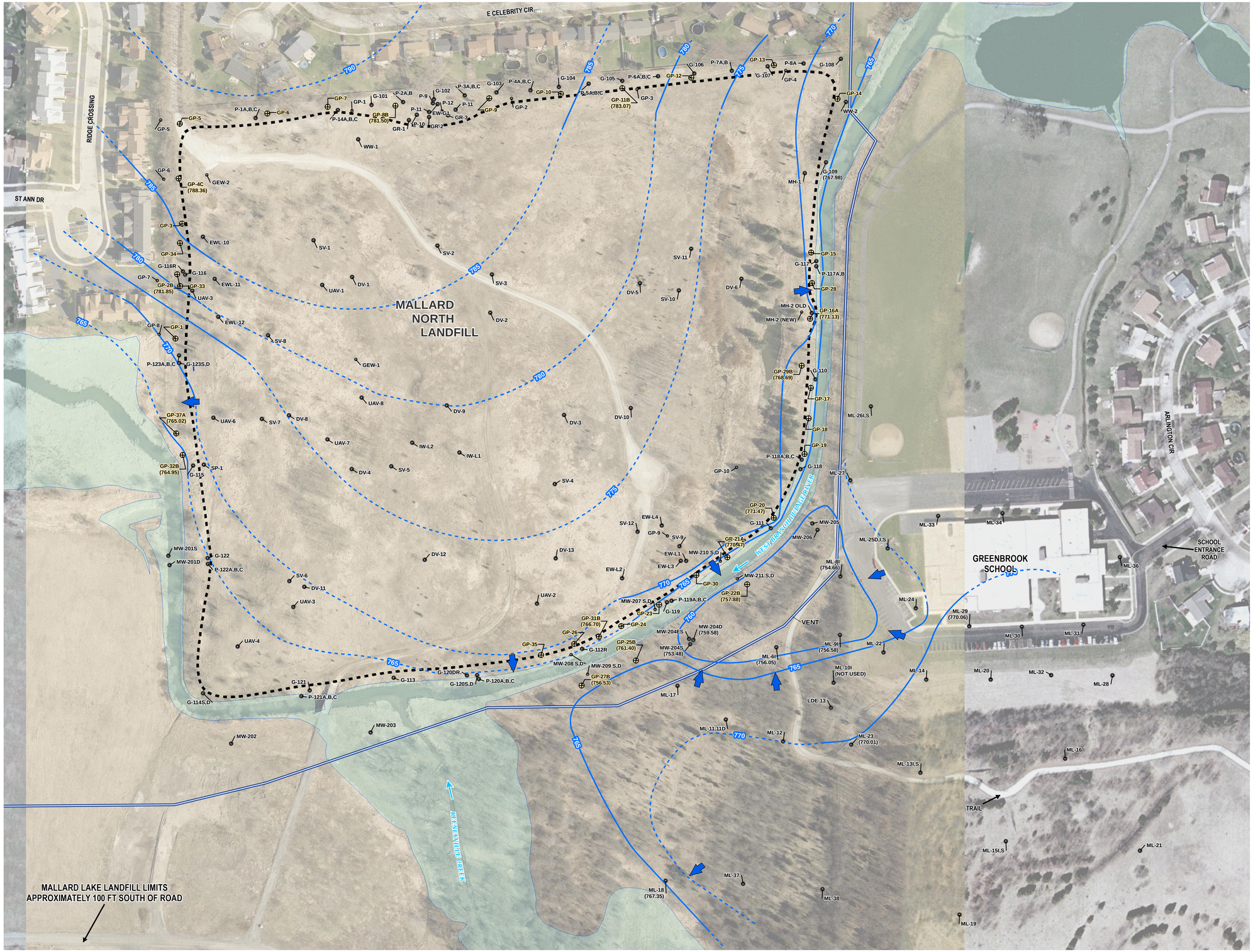
DRAWN BY: PAPEZ J	SCALE:	PROJ. NO.	01793.04.004
CHECKED BY: TEK	AS NOTED	FILE NO.	68090427.mxd
APPROVED BY: AJS	DATE PRINTED:	FIGURE 2	
DATE: July 2011			

TRC

744 Heartland Trail
Madison, WI 53717-1934

P.O. Box 8923 53708-8923
Phone: 608-831-4444
Fax: 608-831-3334

D:\PRE_TESS_PROJECTS\06809\04\MXD\68090427.mxd 06 Jul 2011



LEGEND

- PREVIOUSLY EXISTING WELL, PIPE, OR PROBE
- APPROXIMATE LANDFILL LIMITS
- FEMA 100-YR FLOOD PLAIN
- 780 — TOPOGRAPHIC CONTOUR (CONTOUR INTERVAL IS ONE FOOT)
- GAS PROBE LOCATION (RMT 2009)
- EXISTING 16" FORCE MAIN
- 780 — W1/W2 POTENTIOMETRIC SURFACE ELEVATION CONTOUR
- (DASHED WHERE INFERRED)
- W1/W2 GROUNDWATER FLOW DIRECTION

NOTES:

1. BASE AERIAL IMAGE (SHOWN WEST OF 1037100' EASTING IN MAP COORDINATES) AND CONTOURS GENERATED BY THE BASE MAPPING CO. LTD. FOR FOREST PRESERVE DISTRICT OF DUPAGE COUNTY, APRIL 2009 (FLIGHT DATE 04/10/2009).
2. BASE AERIAL IMAGE (SHOWN EAST OF 1037100' EASTING IN MAP COORDINATES) FROM USGS URBAN IMAGERY DATASET, CHICAGO, IL, MARCH 2005.
3. ROADS DATA FROM ENVIRONMENTAL SYSTEMS RESEARCH INSTITUTE.
4. FEMA FLOOD PLAIN INFORMATION PROVIDED BY THE DUPAGE COUNTY, ILLINOIS GIS DEPARTMENT.
5. LANDFILL LIMITS AND SURFACE WATER FEATURES ESTIMATED BY AERIAL PHOTOGRAPH.
6. SAMPLE LOCATION DATA FROM MARTINEZ CORPORATION.
7. MAP PROJECTION & COORDINATE SYSTEM IS ILLINOIS STATE PLANE EAST NAD83.
8. APPROXIMATE HISTORICAL WELL AND PROBE LOCATIONS FROM DUPAGE COUNTY FOREST PRESERVE DISTRICT AND BFI. 2009 PROBE LOCATIONS FROM DIFFERENTIALLY CORRECTED GPS DATA COLLECTED BY RMT, JUNE 2009.
9. REPORTED LEACHATE COLLECTION TRENCH LOCATION IS SHOWN APPROXIMATELY BASED ON DRAWING NO. 1 CONTAINED IN REPORT TITLED "FEASIBILITY STUDY REPORT, MALLARD NORTH LANDFILL, HANOVER PARK, ILLINOIS", DATED NOVEMBER 1995 AND PREPARED BY EMCON.
10. WATER LEVELS WERE COLLECTED BY RMT AND AECOM ON APRIL 18, 2011.
11. GP-8 WATER LEVEL NOT USED TO INTERPRET GROUNDWATER FLOW DUE TO A SILTED SCREEN ZONE.

0 100 200 FEET

1 " = 100 '

1:1,200

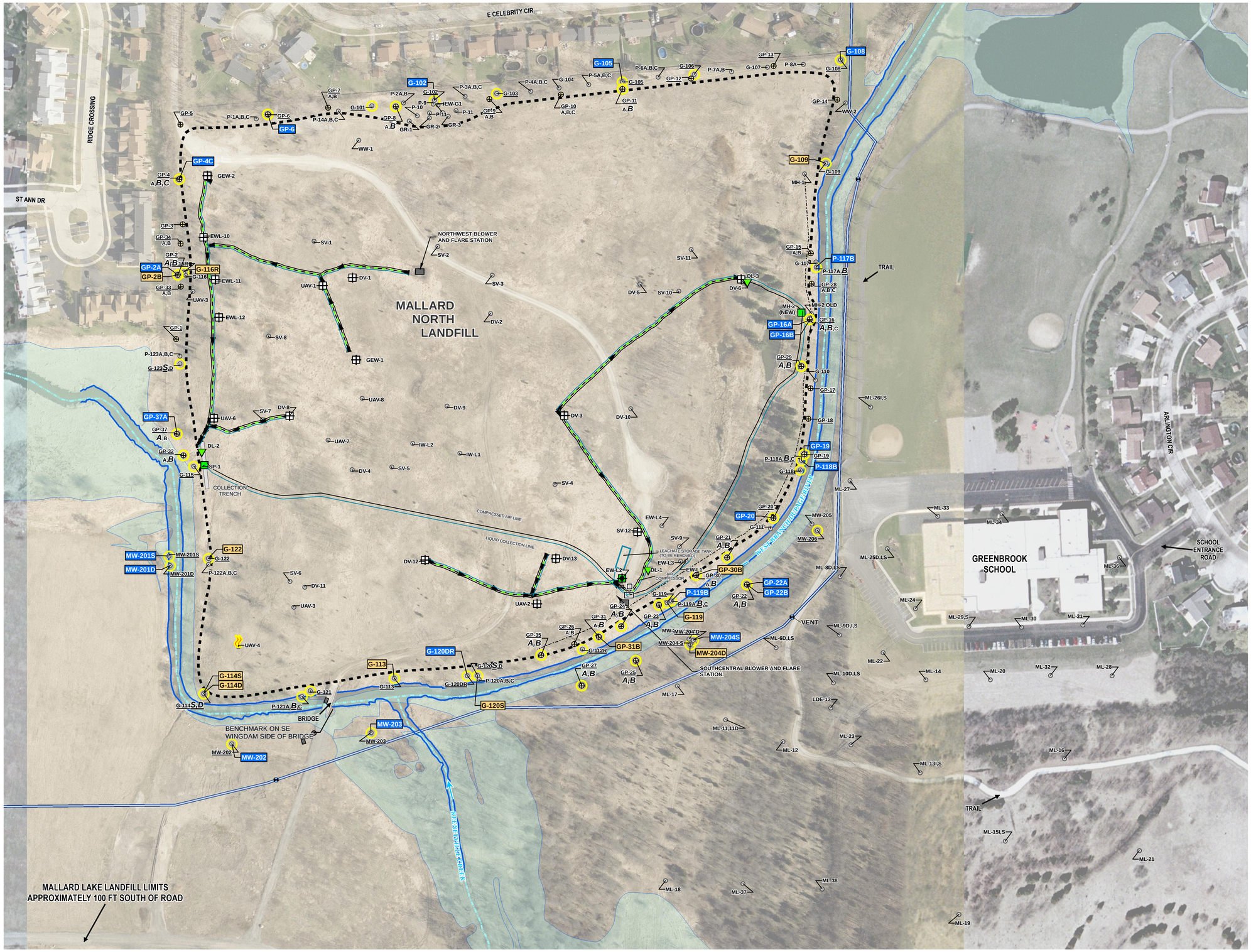
PROJECT:
MALLARD NORTH LANDFILL
FOREST PRESERVE DISTRICT OF DUPAGE COUNTY

SHEET TITLE:
W1/W2 POTENTIOMETRIC SURFACE MAP (APRIL 2011 WATER LEVELS)

DRAWN BY: PAPEZ J	SCALE: AS NOTED	PROJ. NO.	01793.04.004
CHECKED BY: TEK		FILE NO.	68090419.MXD
APPROVED BY: AJS	DATE PRINTED:	**FIGURE 3**	
DATE: July 2011			

TRC
744 Heartland Trail
Madison, WI 53717-1934
P.O. Box 8923 53708-8923
Phone: 608-831-4444
Fax: 608-831-3334

D:\PRE_TESS_PROJECTS\06809\04\MXD\68090419.mxd 06 Jul 2011



LEGEND

- PREVIOUSLY EXISTING WELL, PIPE, OR PROBE
- APPROXIMATE LANDFILL LIMITS
- REPORTED LEACHATE COLLECTION TRENCH (APPROXIMATE LOCATION)
- FEMA 100-YR FLOOD PLAIN
- APPROXIMATE RIVER & STREAM CENTERLINES
- EXISTING 16" FORCE MAIN
- FORCE MAIN VENT
- GAS PROBE LOCATION (RMT 2009)
- LFG EXTRACTION WELL (MONITORING LOCATION)
- LEACHATE EXTRACTION WELL (MONITORING LOCATION)
- LEACHATE EXTRACTION WELL (MONITORING LOCATION)
- DUAL LEACHATE/GAS EXTRACTION WELL
- LFG EXTRACTION WELL (MONITORING LOCATION)
- LFG EXTRACTION WELL (MONITORING LOCATION)
- GAS HEADER/LATERAL PIPE
- SOLAR FLARE
- COMPRESSED AIR LINE
- LEACHATE COLLECTION LINE
- BLOWER/FLARE STATION

CURRENT GROUNDWATER MONITORING LOCATIONS

- GROUNDWATER MONITORING WELL OR PROBE
- GP-16 A,B — WELL OR PROBE NEST (LOCATION INDICATED WITH LARGE BOLD LETTERING TO BE SAMPLED)

PROPOSED GROUNDWATER MONITORING LOCATIONS

- GP-2A — WELL SELECTED DUE TO GROUNDWATER EXCEEDANCE AND/OR BASED ON LOCATION
- GP-2B — WELL SELECTED DUE TO DISSOLVED METHANE EXCEEDING 1,200 µg/L

NOTES:

1. BASE AERIAL IMAGE (SHOWN WEST OF 1037100' EASTING IN MAP COORDINATES) AND CONTOURS GENERATED BY THE BASE MAPPING CO. LTD. FOR FOREST PRESERVE DISTRICT OF DUPAGE COUNTY, APRIL 2009 (FLIGHT DATE 04/10/2009).
2. BASE AERIAL IMAGE (SHOWN EAST OF 1037100' EASTING IN MAP COORDINATES) FROM USGS URBAN IMAGERY DATASET, CHICAGO, IL MARCH 2005.
3. ROADS DATA FROM ENVIRONMENTAL SYSTEMS RESEARCH INSTITUTE.
4. FEMA FLOOD PLAIN INFORMATION PROVIDED BY THE DUPAGE COUNTY, ILLINOIS GIS DEPARTMENT.
5. LANDFILL LIMITS AND SURFACE WATER FEATURES ESTIMATED BY AERIAL PHOTOGRAPH.
6. SAMPLE LOCATION DATA FROM MARTINEZ CORPORATION.
7. MAP PROJECTION & COORDINATE SYSTEM IS ILLINOIS STATE PLANE EAST NAD83.
8. APPROXIMATE HISTORICAL WELL AND PROBE LOCATIONS FROM DUPAGE COUNTY FOREST PRESERVE DISTRICT AND BFI. 2009 PROBE LOCATIONS FROM DIFFERENTIALLY CORRECTED GPS DATA COLLECTED BY RMT, JUNE 2009.
9. REPORTED LEACHATE COLLECTION TRENCH LOCATION IS SHOWN APPROXIMATELY BASED ON DRAWING NO. 1 CONTAINED IN REPORT TITLED "FEASIBILITY STUDY REPORT, MALLARD NORTH LANDFILL, HANOVER PARK, ILLINOIS", DATED NOVEMBER 1995 AND PREPARED BY EMCON.
10. DISSOLVED METHANE DATA AND EXCEEDANCES BASED ON THE JUNE-JULY, 2010 AND/OR THE APRIL 2011 GROUNDWATER MONITORING ROUND.

0 100 200 FEET

1 " = 100 '

1:1,200

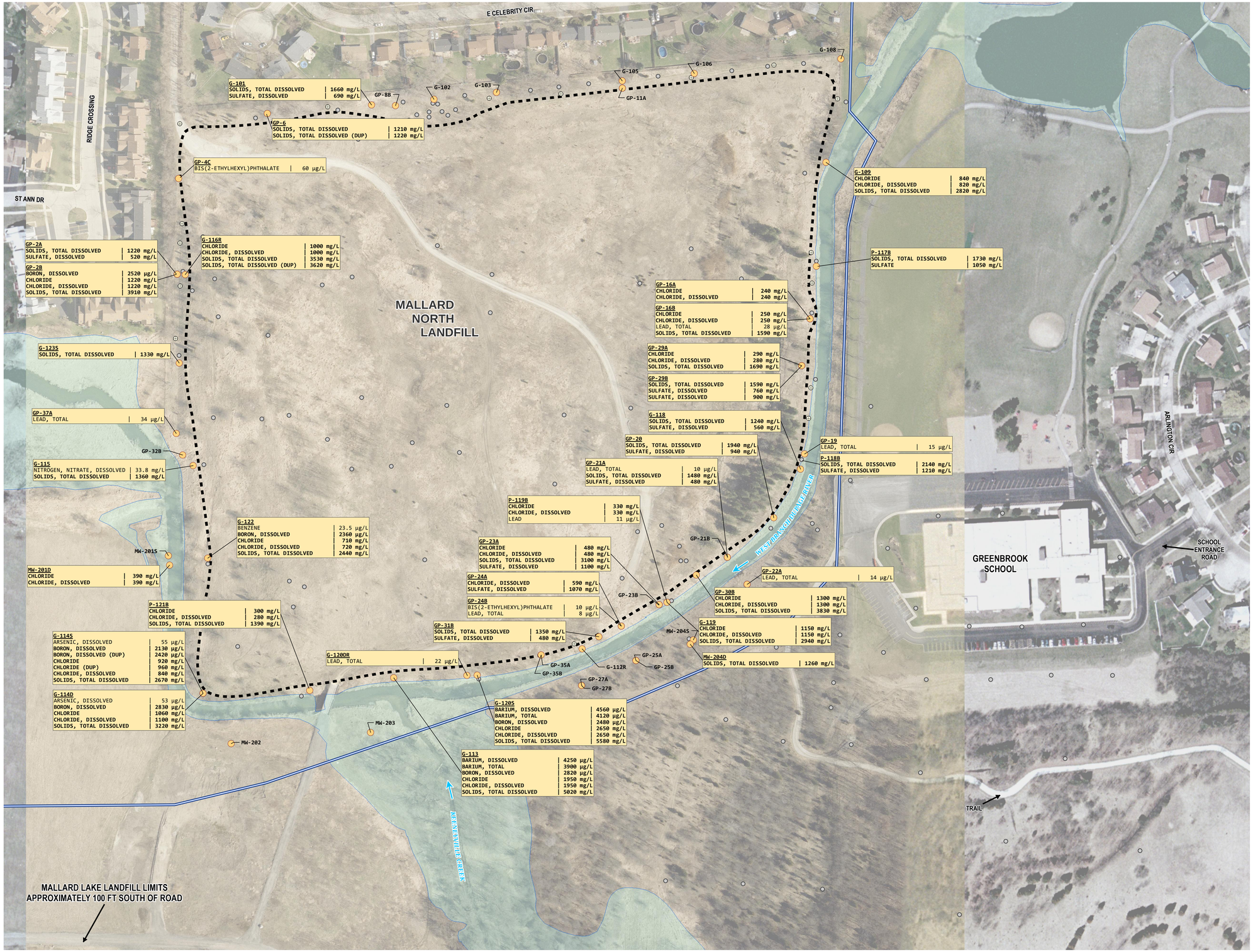
PROJECT:
MALLARD NORTH LANDFILL
FOREST PRESERVE DISTRICT OF DUPAGE COUNTY

SHEET TITLE:
CURRENT AND PROPOSED GROUNDWATER MONITORING LOCATION MAP

DRAWN BY: PAPEZ J	SCALE: AS NOTED	PROJ. NO.	01793.04.004
CHECKED BY: JRS		FILE NO.	68090424.mxd
APPROVED BY: AJS	DATE PRINTED:	**FIGURE 4**	
DATE: JULY 2011			

TRC
744 Heartland Trail
Madison, WI 53717-1934
P.O. Box 8923 53708-8923
Phone: 608-831-4444
Fax: 608-831-3334

D:\PRE_TESS_PROJECTS\06809\04\MXD\68090424.mxd 06 Jul 2011



LEGEND

- PREVIOUSLY EXISTING WELL, PIPE, OR PROBE
- APPROXIMATE LANDFILL LIMITS
- FEMA 100-YR FLOOD PLAIN
- GAS PROBE LOCATION (RMT 2009)
- EXISTING 16" FORCE MAIN
- CURRENT MONITORING LOCATION

EXCEEDENCE LOCATION LABEL (EXCEEDS CLASS 1 STANDARDS ONLY)

SAMPLE ID
PARAMETER | SAMPLE RESULT [UNITS]

EXCEEDENCE LOCATION LABEL (EXCEEDS CLASS 1 AND CLASS 2 STANDARDS)

SAMPLE ID
PARAMETER | SAMPLE RESULT [UNITS]

NOTES:

1. BASE AERIAL IMAGE (SHOWN WEST OF 1037100' EASTING IN MAP COORDINATES) AND CONTOURS GENERATED BY THE BASE MAPPING CO. LTD. FOR FOREST PRESERVE DISTRICT OF DUPAGE COUNTY, APRIL 2009 (FLIGHT DATE 04/10/2009).
2. BASE AERIAL IMAGE (SHOWN EAST OF 1037100' EASTING IN MAP COORDINATES) FROM USGS URBAN IMAGERY DATASET, CHICAGO, IL, MARCH 2005.
3. ROADS DATA FROM ENVIRONMENTAL SYSTEMS RESEARCH INSTITUTE.
4. FEMA FLOOD PLAIN INFORMATION PROVIDED BY THE DUPAGE COUNTY, ILLINOIS GIS DEPARTMENT.
5. LANDFILL LIMITS AND SURFACE WATER FEATURES ESTIMATED BY AERIAL PHOTOGRAPH.
6. SAMPLE LOCATION DATA FROM MARTINEZ CORPORATION.
7. MAP PROJECTION & COORDINATE SYSTEM IS ILLINOIS STATE PLANE EAST NAD83.
8. APPROXIMATE HISTORICAL WELL AND PROBE LOCATIONS FROM DUPAGE COUNTY FOREST PRESERVE DISTRICT AND BFI. 2009 PROBE LOCATIONS FROM DIFFERENTIALLY CORRECTED GPS DATA COLLECTED BY RMT, JUNE 2009.
9. REPORTED LEACHATE COLLECTION TRENCH LOCATION IS SHOWN APPROXIMATELY BASED ON DRAWING NO. 1 CONTAINED IN REPORT TITLED "FEASIBILITY STUDY REPORT, MALLARD NORTH LANDFILL, HANOVER PARK, ILLINOIS", DATED NOVEMBER 1995 AND PREPARED BY EMCON.
10. 35 IAC PART 620 DEFINES SEVERAL CLASSES OF GROUNDWATER, INCLUDING CLASS I AND CLASS II, AND THERE ARE SPECIFIC STANDARDS FOR EACH. A DETERMINATION REGARDING THE MNL GROUNDWATER CLASS HAS NOT BEEN MADE; THEREFORE THE DATA ARE COMPARED TO BOTH CLASS I AND CLASS II STANDARDS.

35 IAC PART 620 GROUNDWATER QUALITY STANDARDS

PARAMETER	CLASS 1 STANDARD	CLASS 2 STANDARD	UNITS
ARSENIC, DISSOLVED	50	200	µg/L
BARIUM, DISSOLVED	2000	2000	µg/L
BARIUM, TOTAL	2000	2000	µg/L
BENZENE	5	25	µg/L
BIS(2-ETHYLHEXYL)PHTHALATE	6	60	µg/L
BORON, DISSOLVED	2000	2000	µg/L
CHLORIDE	200	200	mg/L
CHLORIDE, DISSOLVED	200	200	mg/L
LEAD, TOTAL	7.5	100	µg/L
NITROGEN, NITRATE, DISSOLVED	10	100	mg/L
SOLIDS, TOTAL DISSOLVED	1200	1200	mg/L
SULFATE, DISSOLVED	400	400	mg/L

N

0 100 200 FEET

1 " = 100 '

1:1,200

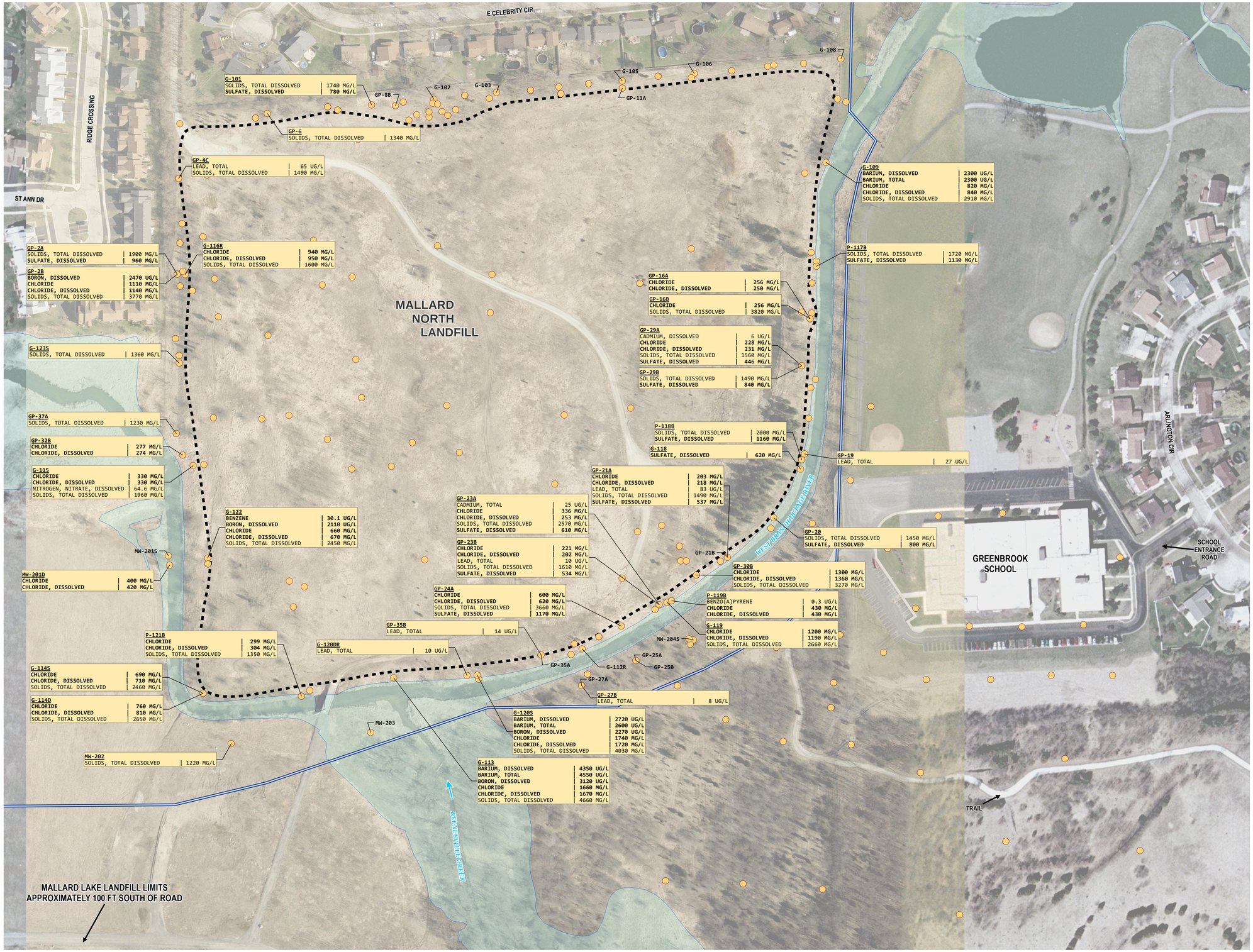
PROJECT:
MALLARD NORTH LANDFILL
FOREST PRESERVE DISTRICT OF DUPAGE COUNTY

SHEET TITLE:
SAMPLE RESULTS THAT EXCEED 35 IAC PART 620 GROUNDWATER QUALITY STANDARDS JUNE/JULY 2010 MONITORING

DRAWN BY: PAPEZ,J	SCALE:	PROJ. NO.	00-06809.03
CHECKED BY: JRS	AS NOTED	FILE NO.	68090422.mxd
APPROVED BY: AJS	DATE PRINTED:	FIGURE 5A	
DATE: JULY 2011			

TRC
744 Heartland Trail
Madison, WI 53717-1934
P.O. Box 8923 53708-8923
Phone: 608-831-4444
Fax: 608-831-3334

D:\PRE_TESS_PROJECTS\06809\04\MXD\68090422.mxd 06 Jul 2011



LEGEND

- PREVIOUSLY EXISTING WELL, PIPE, OR PROBE
- APPROXIMATE LANDFILL LIMITS
- FEMA 100-YR FLOOD PLAIN
- GAS PROBE LOCATION (RMT 2009)
- EXISTING 16" FORCE MAIN
- CURRENT MONITORING LOCATION

EXCEEDENCE LOCATION LABEL (EXCEEDS CLASS 1 STANDARDS ONLY)

SAMPLE ID
PARAMETER | SAMPLE RESULT [UNITS]

EXCEEDENCE LOCATION LABEL (EXCEEDS CLASS 1 AND CLASS 2 STANDARDS)

SAMPLE ID
PARAMETER | SAMPLE RESULT [UNITS]

NOTES:

1. BASE AERIAL IMAGE (SHOWN WEST OF 1037100' EASTING IN MAP COORDINATES) AND CONTOURS GENERATED BY THE BASE MAPPING CO. LTD. FOR FOREST PRESERVE DISTRICT OF DUPAGE COUNTY, APRIL 2009 (FLIGHT DATE 04/10/2009).
2. BASE AERIAL IMAGE (SHOWN EAST OF 1037100' EASTING IN MAP COORDINATES) FROM USGS URBAN IMAGERY DATASET, CHICAGO, IL, MARCH 2005.
3. ROADS DATA FROM ENVIRONMENTAL SYSTEMS RESEARCH INSTITUTE.
4. FEMA FLOOD PLAIN INFORMATION PROVIDED BY THE DUPAGE COUNTY, ILLINOIS GIS DEPARTMENT.
5. LANDFILL LIMITS AND SURFACE WATER FEATURES ESTIMATED BY AERIAL PHOTOGRAPH.
6. SAMPLE LOCATION DATA FROM MARTINEZ CORPORATION.
7. MAP PROJECTION & COORDINATE SYSTEM IS: ILLINOIS STATE PLANE EAST NAD83.
8. APPROXIMATE HISTORICAL WELL AND PROBE LOCATIONS FROM DUPAGE COUNTY FOREST PRESERVE DISTRICT AND BFI. 2009 PROBE LOCATIONS FROM DIFFERENTIALLY CORRECTED GPS DATA COLLECTED BY RMT, JUNE 2009.
9. REPORTED LEACHATE COLLECTION TRENCH LOCATION IS SHOWN APPROXIMATELY BASED ON DRAWING NO. 1 CONTAINED IN REPORT TITLED "FEASIBILITY STUDY REPORT, MALLARD NORTH LANDFILL, HANOVER PARK, ILLINOIS", DATED NOVEMBER 1995 AND PREPARED BY EMCON.
10. 35 IAC PART 620 DEFINES SEVERAL CLASSES OF GROUNDWATER, INCLUDING CLASS I AND CLASS II, AND THERE ARE SPECIFIC STANDARDS FOR EACH. A DETERMINATION REGARDING THE MNL GROUNDWATER CLASS HAS NOT BEEN MADE; THEREFORE THE DATA ARE COMPARED TO BOTH CLASS I AND CLASS II STANDARDS.

35 IAC PART 620 GROUNDWATER QUALITY STANDARDS

PARAMETER	CLASS 1 STANDARD	CLASS 2 STANDARD	UNITS
ARSENIC, DISSOLVED	50	200	µg/L
BARIUM, DISSOLVED	2000	2000	µg/L
BARIUM, TOTAL	2000	2000	µg/L
BENZENE	5	25	µg/L
BIS(2-ETHYLHEXYL)PHTHALATE	6	60	µg/L
BORON, DISSOLVED	2000	2000	µg/L
CHLORIDE	200	200	mg/L
CHLORIDE, DISSOLVED	200	200	mg/L
LEAD, TOTAL	7.5	100	µg/L
NITROGEN, NITRATE, DISSOLVED	10	100	mg/L
SOLIDS, TOTAL DISSOLVED	1200	1200	mg/L
SULFATE, DISSOLVED	400	400	mg/L

N

0 100 200 FEET

1 " = 100 '

1:1,200

PROJECT:
MALLARD NORTH LANDFILL
FOREST PRESERVE DISTRICT OF DUPAGE COUNTY

SHEET TITLE:
SAMPLE RESULTS THAT EXCEED 35 IAC PART 620 GROUNDWATER QUALITY STANDARDS APRIL 2011 MONITORING

DRAWN BY: PAPEZ J	SCALE: AS NOTED	PROJ. NO. 01493.04.004	
CHECKED BY: TEK		FILE NO. 68090432.mxd	
APPROVED BY: AJS	DATE PRINTED:	**FIGURE 5B**	
DATE: JULY 2011			

TRC
744 Heartland Trail
Madison, WI 53717-1934
P.O. Box 8923 53708-8923
Phone: 608-831-4444
Fax: 608-831-3334

D:\PRE_TESS_PROJECTS\06809\04\MXD\68090432.mxd 06 Jul 2011

Appendix A
Correspondence

Schmidt, Al

From: Hassan.Jacob@epamail.epa.gov
Sent: Thursday, January 13, 2011 3:02 PM
To: Schmidt, Al; Joe Benedict (jbenedict@dupageforest.com)
Cc: Schmidt, Al; Bergenthal, Drew; Joy Hinz (Joy.Hinz@dupageco.org); Ruesch.Paul@epamail.epa.gov; Rivera, Tom
Subject: MNL Groundwater Monitoring Comments
Attachments: USEPA IEPA comments on MNL groundwater report 1-12-11.pdf

Joe and Al,

Supplied below are the comments for the Groundwater Monitoring Evaluation Report submitted to EPA in September. If you have any questions please feel free to call me. Thanks.

Jacob Hassan
U.S. EPA Region 5 (LM-8J)
77 West Jackson Blvd.
Chicago, IL 60604
Ph: (312) 886-6864
Fax: (312) 697-2034
email: hassan.jacob@epa.gov

From: "Schmidt, Al" <Al.Schmidt@rmtinc.com>
To: "Bergenthal, Drew" <dbergenthal@dupageforest.com>, "Franek, Bill (Bill.Franek@illinois.gov)" <Bill.Franek@illinois.gov>, Jacob Hassan/R5/USEPA/US@EPA, "Joe Benedict (jbenedict@dupageforest.com)" <jbenedict@dupageforest.com>, "Joy Hinz (Joy.Hinz@dupageco.org)" <Joy.Hinz@dupageco.org>, "Kucher, Jan" <Jan.Kucher@rmtinc.com>, Paul Ruesch/R5/USEPA/US@EPA, "Rivera, Tom" <Thomas.Rivera@Illinois.gov>, "Schmidt, Al" <Al.Schmidt@rmtinc.com>, "Schoephoester, Jason" <Jason.Schoephoester@rmtinc.com>
Date: 12/14/2010 05:25 PM
Subject: MNL Status Meeting Agenda and Handouts - 12-16-10

Hello all,

Attached is the information for Thursday's meeting.

Al

Al Schmidt | RMT | 417 South Naperville Road - Wheaton, IL 60187

Phone: 847-867-9635 | Fax: 608-831-3334

1/4

Outgoing messages, along with any attachments, are scanned for viruses prior to sending.

NOTICE-- This email may contain confidential and privileged information for the sole use of the intended recipient. Any review or distribution by others is strictly prohibited. If you are not the intended recipient, please contact the sender immediately and delete all copies. [attachment "MNL Status Meeting Agenda and Handouts 12-16-10.pdf" deleted by Jacob Hassan/R5/USEPA/US]

USEPA, IEPA and DuPage County Comments on MNL Groundwater Evaluation Report
January 12, 2011

General Comments

1. Present and discuss the issue of contaminants from MNL impacting up-gradient groundwater monitoring wells at the adjacent Mallard Lake Landfill. (Section 3)

2. Natural attenuation of groundwater contamination should only be considered an option if the contamination source has been removed or controlled.

3. A groundwater monitoring zone can't be established without conducting corrective action.

4. The groundwater contamination caused by the landfill should be (at a minimum) controlled and contained within the District's property boundary.

5. At various points in the report, conclusive statements are made about contaminant migration in soil and groundwater. ALL such statements should be removed from the report until additional groundwater and gas probe sampling is conducted which confirms current sampling and existing conditions. See specific examples below.

6. The Team needs to discuss whether or not the USDOI recommendations for dissolved methane are appropriate concentrations for 'triggering an alert' and 'immediate action' at MNL. (Section 4)

Specific Comments

1. It is noted that the shallow groundwater flow from the MNL area to the Green Brook Elementary school area converges on a water table low point near the West Branch of the DuPage River. This should be confirmed as a normal state and that this low point is not just a seasonal occurrence. (Section 1, page 3, paragraph 2)

2. The location, design and construction of MNL present various factors that need to be considered when evaluating the groundwater data. Leachate collection areas throughout the landfill were installed to lower the levels and prevent outbreaks identified by USEPA and RMT. Landfills designed to meet 258 standards collect leachate and provide an adequate representation of the constituents generated by the waste. This landfill does not have those design features which makes it difficult to identify all the constituents being generated by the waste. Additional leachate sampling (other than the three extraction locations sampled) should be considered to provide a more solid, representative baseline as to leachate quality from the landfill. (Section 2.4, page 20)

3. Include field data (e.g. dissolved oxygen, pH, redox, conductivity, temperature and turbidity) in all future groundwater evaluation reports. (Section 3)

4. Remove statements about organic or inorganic parameters "are not a significant concern in groundwater at MNL." (Section 1.6/paragraph 3/page 4, bullets on page 5 & 6, Section 3.3.1/page 25, Section 3.3.2/page 26 & 27, Section 3.3.3/page 28, Section 3.4/page 29)

5. The initial ground water characterization shows that the water table mirrors the topography and slopes toward the West Branch DuPage River along each bank. This appears to isolate the Greenbrook School from ground water flow migrating from the landfill. Also, elevated dissolved methane concentrations have been detected along the southeastern margin of the facility. A potentiometric study should be conducted in this area during high-water conditions at the river, to determine if ground water from the facility could flow toward the school when an elevated river surface could "flatten" the gradient. (Section 4)

6. Remove conclusive statement(s) that methane will not migrate toward the Greenbrook Elementary School (Section 4, page 34, paragraph 1) as well as statements that migration of gaseous methane in the W1/W2 is not possible (Section 4, page 38, paragraph 2) until additional sampling confirms gradients, season water table fluctuations, and assumptions on existing conditions in Section 2.

7. Ongoing groundwater monitoring should be conducted to measure the performance of the methane abatement/flare system which may reduce methane in the groundwater. (Section 4)

8. Remove statements that "methane in groundwater at MNL is not a significant concern" (Section 1.7/page 6, Section 4.5/page 44).

9. Several of the agreed upon monitoring locations in the first round of sampling had detectable level of contaminants. Of these detections, many have exceedences above the Class I and II ground water standards. Additional full rounds of groundwater monitoring are needed to confirm these detections. (Section 5)

10. Given the results of the first round sampling, it appears that long-term ground water monitoring will be appropriate for MNL. The exact long-term monitoring plan is best determined following the completion of the initial four quarters of sampling. (Section 5, page 45, paragraph 3)

11. It is stated that the long term monitoring plan (after the four rounds of baseline sampling) is to monitor VOC's and SVOC's on a semiannual basis. Given that there is only one round of sampling results available, the baseline sampling should be completed prior to making this assessment. (Section 5, page 46, paragraph 2)

12. For the proposed inorganic groundwater sample parameters listed in Table 10, conduct total and dissolved analysis for the 3 remaining baseline groundwater monitoring (quarterly) events. (Section 5)

Appendix B
Groundwater Analytical Data

Table of Contents

- First Environmental Laboratories, Inc., Certification
- Analytical Data Summary
- Laboratory Reports (CD)

First Environmental Laboratories, Inc., Certification

2

STATE OF ILLINOIS

ENVIRONMENTAL PROTECTION AGENCY
NELAP - RECOGNIZED

ENVIRONMENTAL LABORATORY ACCREDITATION

is hereby granted to

FIRST ENVIRONMENTAL LABORATORIES, INC.

1600 SHORE ROAD, SUITE D

NAPERVILLE, IL 60563

NELAP ACCREDITED

ACCREDITATION NUMBER #100292

According to the Illinois Administrative Code, Title 35, Subtitle A, Chapter II, Part 186, ACCREDITATION OF LABORATORIES FOR DRINKING WATER, WASTEWATER AND HAZARDOUS WASTES ANALYSIS, the State of Illinois formally recognizes that this laboratory is technically competent to perform the environmental analyses listed on the scope of accreditation detailed below.

The laboratory agrees to perform all analyses listed on this scope of accreditation according to the Part 186 requirements and acknowledges that continued accreditation is dependent on successful ongoing compliance with the applicable requirements of Part 186. Please contact the Illinois EPA Environmental Laboratory Accreditation Program (IL ELAP) to verify the laboratory's scope of accreditation and accreditation status. Accreditation by the State of Illinois is not an endorsement or a guarantee of validity of the data generated by the laboratory.

Gary Germann
Manager
Environmental Laboratory Accreditation Program

Scott D. Siders

Scott D. Siders
Accreditation Officer
Environmental Laboratory Accreditation Program

Certificate No.: 002687

Expiration Date: 02/28/2012

Issued On: 03/01/2011

State of Illinois
Environmental Protection Agency

Certificate No.: 002687

Awards the Certificate of Approval

First Environmental Laboratories, Inc.
1600 Shore Road, Suite D
Naperville, IL 60563

According to the Illinois Administrative Code, Title 35, Subtitle A, Chapter II, Part 186, ACCREDITATION OF LABORATORIES FOR DRINKING WATER, WASTEWATER AND HAZARDOUS WASTES ANALYSIS, the State of Illinois formally recognizes that this laboratory is technically competent to perform the environmental analyses listed on the scope of accreditation detailed below.

The laboratory agrees to perform all analyses listed on this scope of accreditation according to the Part 186 requirements and acknowledges that continued accreditation is dependent on successful ongoing compliance with the applicable requirements of Part 186. Please contact the Illinois EPA Environmental Laboratory Accreditation Program (IL ELAP) to verify the laboratory's scope of accreditation and accreditation status. Accreditation by the State of Illinois is not an endorsement or a guarantee of validity of the data generated by the laboratory.

Drinking Water, Inorganic

SM2130B,20Ed

Turbidity

SM2320B,20Ed

Alkalinity

SM2340B,18Ed

Hardness

SM2510B,20Ed

Conductivity

SM2540C,20Ed

Total Dissolved Solids

SM4500Cl-G,20Ed

Chlorine (free, combined, total)

SM4500F-C,20Ed

Fluoride

SM4500H-B,20Ed

Hydrogen Ion (pH)

SM4500NO2B,20Ed

Nitrite

SM4500P-E,20Ed

Orthophosphate

SM4500SiO2-C,20Ed

Silica

SM5310C,20Ed

Total Organic Carbon (TOC)

USEPA200.7R4.4

Aluminum	Arsenic	Barium
Beryllium	Cadmium	Calcium
Chromium	Copper	Hardness (calc.)
Iron	Magnesium	Manganese
Nickel	Silver	Sodium
Zinc		

USEPA200.8R5.4

Aluminum	Antimony	Arsenic
Barium	Beryllium	Cadmium
Chromium	Copper	Lead

4

State of Illinois
Environmental Protection Agency

Certificate No.: 002687

Awards the Certificate of Approval

First Environmental Laboratories, Inc.
1600 Shore Road, Suite D
Naperville, IL 60563

Drinking Water, Inorganic

USEPA200.8R5.4

Molybdenum
Silver
Nickel
Thallium
Manganese
Selenium
Zinc

USEPA245.1R3.0

Mercury

USEPA335.4R1.0

Cyanide

USEPA353.2R2.0

Nitrate

USEPA375.2R2.0

Sulfate

Hazardous and Solid Waste, Inorganic

1010

Ignitability

1311

TCLP (Organic and Inorganic)

1312

Synthetic Precipitation Leaching Procedure

6010B

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

6020A

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

7196A

Chromium VI

7470A

Mercury

9010B

Cyanide

9014

Cyanide

State of Illinois
Environmental Protection Agency

Certificate No.: 002687

Awards the Certificate of Approval

First Environmental Laboratories, Inc.
1600 Shore Road, Suite D
Naperville, IL 60563

Hazardous and Solid Waste, Inorganic

9034

Sulfides

9038

Sulfate

9040B

Hydrogen ion (pH)

9045C

Hydrogen ion (pH)

9060 (Non-Potable Matrix Only)

Total Organic Carbon (TOC)

9065

Phenolics

9066 (Non-Potable Matrix Only)

Phenolics

9071B

Oil and Grease Extractable

9095B

Paint Filter

9251 (Non-Potable Matrix Only)

Chloride

Chapter 7/9014

Reactive Cyanide

Chapter 7/9034

Reactive Sulfide

Hazardous and Solid Waste, Organic

8011 (Non-Potable Matrix Only)

1,2-Dibromo-3-chloropropane (DBCP)
1,2-Dibromoethane (EDB)

8015B

Diesel range organics (DRO)
Gasoline range organics (GRO)

8081A

4,4'-DDD
4,4'-DDE
4,4'-DDT
Aldrin
alpha-BHC
alpha-Chlordane
beta-BHC
Chlordane - not otherwise specified
delta-BHC
Dieldrin
Endosulfan I
Endosulfan II
Endosulfan sulfate
Endrin
Endrin aldehyde
Endrin ketone
gamma-BHC (Lindane)
gamma-Chlordane
Heptachlor
Heptachlor epoxide
Methoxychlor
Toxaphene

8082

PCB-1016
PCB-1221
PCB-1232
PCB-1242
PCB-1248
PCB-1254
PCB-1260

8260B

State of Illinois
Environmental Protection Agency

Certificate No.: 002687

Awards the Certificate of Approval

First Environmental Laboratories, Inc.
1600 Shore Road, Suite D
Naperville, IL 60563

Hazardous and Solid Waste, Organic

8260B

1,1,1-Trichloroethane
1,1,2,2-Tetrachloroethane
1,1,1,2-Tetrachloroethane
1,1-Dichloroethane
1,1-Dichloroethene
1,1,2-Trichloroethane
1,2,3-Trichlorobenzene
1,2,3-Trichloropropane
1,1-Dichloropropene
1,2-Dibromo-3-chloropropane (DBCP)
1,2-Dibromoethane (EDB)
1,2,4-Trimethylbenzene
1,2-Dichloroethane
1,2-Dichloropropane
1,2-Dichlorobenzene
1,3-Dichlorobenzene
1,3-Dichloropropane
1,3,5-Trimethylbenzene
1,4-Dioxane (Non-Potable Matrix Only)
1-Propanol
1,4-Dichlorobenzene
2-Butanone (Methyl ethyl ketone, MEK)
2-Chloroethyl vinyl ether
2,2-Dichloropropane
2-Hexanone
2-Methyl-1-propanol (Isobutyl alcohol)
2-Chlorotoluene
2-Propanol (Isopropyl alcohol)
4-Chlorotoluene
2-Nitropropane
Acetone
Acetonitrile
4-Methyl-2-pentanone (Methyl isobutyl ketone
Acrylonitrile
Allyl chloride
Acrolein (Propenal)
Bromobenzene
Bromochloromethane
Benzene
Bromoform
Bromomethane
Bromodichloromethane
Carbon tetrachloride
Chlorobenzene
Carbon disulfide
Chloroethane
Chloroform
Chlorodibromomethane (Dibromochlorometha
cis-1,2-Dichloroethene
cis-1,3-Dichloropropene
Chloromethane
Dichlorodifluoromethane
Dichloromethane (Methylene chloride)
Dibromomethane
Ethyl ether
Ethyl methacrylate
Ethyl acetate
Hexachlorobutadiene
Hexachloroethane
Ethylbenzene
Methacrylonitrile
Methyl acrylate
Isopropylbenzene
Methyl iodide (Iodmethane)
Methyl methacrylate
Methyl ethyl ketone
m-Xylene
Naphthalene
Methyl-t-butyl ether
n-Butylbenzene
n-Propylbenzene
n-Butanol
Pentachloroethane
p-Isopropyltoluene
o-Xylene
p-Xylene
sec-Butylbenzene
Propionitrile (Ethyl Cyanide)
tert-Butylbenzene
Tetrachloroethene
Styrene
Toluene
trans-1,2-Dichloroethene
Tetrahydrofuran
trans-1,4-Dichloro-2-butene
Trichloroethene
trans-1,3-Dichloropropene
Vinyl acetate
Vinyl chloride
Trichlorofluoromethane
Xylenes (Total)

8270C

1,2,4,5-Tetrachlorobenzene
1,2,4-Trichlorobenzene
1,2-Dichlorobenzene
1,2-Diphenylhydrazine
1,3-Dichlorobenzene
1,4-Dichlorobenzene
1,4-Naphthoquinone
1,4-Phenylenediamine
1-Naphthylamine
2,3,4,6-Tetrachlorophenol
2,4,5-Trichlorophenol
2,4,6-Trichlorophenol
2,4-Dichlorophenol
2,4-Dimethylphenol
2,4-Dinitrophenol
2,4-Dinitrotoluene (2,4-DNT)
2,6-Dichlorophenol
2,6-Dinitrotoluene (2,6-DNT)
2-Acetylaminofluorene
2-Chloronaphthalene
2-Chlorophenol
2-Methylnaphthalene
2-Methylphenol
2-Naphthylamine
2-Nitroaniline
2-Nitrophenol
3,3'-Dichlorobenzidine
3,3'-Dimethylbenzidine
3-Methylcholanthrene
3-Nitroaniline
4,6-Dinitro-2-methylphenol
4-Aminobiphenyl
4-Bromophenyl phenyl ether
4-Chloro-3-methylphenol
4-Chloroaniline
4-Chlorophenyl phenyl ether
4-Methylphenol
4-Nitroaniline
4-Nitrophenol
5-Nitro-o-toluidine
7,12-Dimethylbenz(a)anthracene
Acenaphthene
Acenaphthylene
Acetophenone
Aniline

State of Illinois
Environmental Protection Agency

Certificate No.: 002687

Awards the Certificate of Approval

First Environmental Laboratories, Inc.
1600 Shore Road, Suite D
Naperville, IL 60563

Hazardous and Solid Waste, Organic

8270C

Benzidine
Benzo(b)fluoranthene
Benzoic acid
Bis(2-chloroethyl) ether
Butyl benzyl phthalate
Chrysene
Dibenzofuran
Dimethyl phthalate
Diphenylamine
Famphur
Hexachlorobenzene
Hexachloroethane
Indeno(1,2,3-cd) pyrene
Isosafrole
Methyl methanesulfonate
Naphthalene
N-Nitrosodiethylamine
N-Nitrosodi-n-propylamine
N-Nitrosomorpholine
O,O,O-Triethyl phosphorothioate
Parathion
Pentachloronitrobenzene
Phenanthrene
Pronamide
Safrole
Benzo(a)anthracene
Benzo(g,h,i)perlyene
Benzyl alcohol
Bis(2-chloroisopropyl) ether
Carbazole
Diallate
Diethyl phthalate
Di-n-butyl phthalate
Disulfoton
Fluoranthene
Hexachlorobutadiene
Hexachlorophene
Isodrin
Kepone
Methyl parathion
Nitrobenzene
N-Nitrosodimethylamine
N-Nitrosodiphenylamine
N-Nitrosopiperidine
o-Cresol (2-Methylphenol)
p-Cresol (4-Methylphenol)
Pentachlorophenol
Phenol
Pyrene
Thionazine (Zinophos)
Anthracene
Benzo(a)pyrene
Benzo(k)fluoranthene
Bis(2-chloroethoxy) methane
Bis(2-ethylhexyl) phthalate
Chlorobenzilate
Dibenz(a,h)anthracene
Dimethoate
Di-n-octyl phthalate
Ethyl methanesulfonate
Fluorene
Hexachlorocyclopentadiene
Hexachloropropene
Isophorone
m-Cresol (3-Methylphenol)
Methylpyrilene
Nitroquinoline-1-oxide
N-Nitrosodi-n-butylamine (N-Nitrosodibutylami
N-Nitrosomethylethylamine
N-Nitrosopyrrolidine
o-Toluidine
Pentachlorobenzene
Phenacetin
Phorate
Pyridine

Wastewater, Inorganic

SM2120B,20Ed
Color

SM2130B,20Ed
Turbidity

SM2310B4a,20Ed
Acidity

SM2320B,20Ed
Alkalinity

SM2340B,20Ed
Hardness

SM2340C,20Ed
Hardness

SM2510B,20Ed
Specific Conductance

SM2540B,20Ed
Residue (Total)

SM2540C,20Ed
Residue (TDS)

State of Illinois
Environmental Protection Agency

Certificate No.: 002687

Awards the Certificate of Approval

First Environmental Laboratories, Inc.
1600 Shore Road, Suite D
Naperville, IL 60563

Wastewater, Inorganic	*SM2540D,20Ed*
Residue (TSS)	
SM2540G,18Ed	
Residue (% solids)	
SM3500Cr-B,20Ed	
Chromium VI	
SM4500CL-C,20Ed	
Chloride	
SM4500CL-E,20Ed	
Chloride	
SM4500Cl-G,20Ed	
Chlorine	
SM4500CN-CE,20Ed	
Cyanide	
SM4500CN-CG,20Ed	
Cyanide-amenable to chlorination	
SM4500F-C,20Ed	
Fluoride	
SM4500H-B,20Ed	
Hydrogen Ion (pH)	
SM4500NH3-D,20Ed	
Ammonia	
SM4500NH3-G,20Ed	
Ammonia	
SM4500NO2B,20Ed	
Nitrite	
SM4500NO3F,20Ed	
Nitrate	Nitrate-Nitrite (sum)
SM4500P-E,20Ed	
Orthophosphate (as P)	Phosphorus
SM4500S-D,20Ed	
Sulfide	
SM4500Si-C,20Ed	
Silica	
SM5210B,20Ed	
Biochemical Oxygen Demand (BOD)	Carbonaceous Biochemical Oxygen Demand (C
SM5220D,20Ed	
Chemical Oxygen Demand (COD)	
SM5310C,20Ed	
Total Organic Carbon (TOC)	
USEPA160.4	
Residue (Volatile)	

State of Illinois
Environmental Protection Agency

Certificate No.: 002687

Awards the Certificate of Approval

First Environmental Laboratories, Inc.
1600 Shore Road, Suite D
Naperville, IL 60563

Wastewater, Inorganic

USEPA1664R4_95

Total Petroleum Hydrocarbons

USEPA1664RA

Oil and Grease

USEPA200.7R4.4

Aluminum	Antimony	Arsenic
Barium	Beryllium	Boron
Cadmium	Calcium	Chromium
Cobalt	Copper	Hardness (calc.)
Iron	Lead	Magnesium
Manganese	Molybdenum	Nickel
Potassium	Selenium	Silver
Sodium	Thallium	Vanadium
Zinc		

USEPA200.8R5.4

Aluminum	Antimony	Arsenic
Barium	Beryllium	Boron
Cadmium	Chromium	Cobalt
Copper	Hardness (calc.)	Iron
Lead	Manganese	Molybdenum
Nickel	Selenium	Silver
Thallium	Tin	Vanadium
Zinc		

USEPA245.1R3.0

Mercury

USEPA335.4R1.0

Cyanide

USEPA350.1R2.0

Ammonia

USEPA351.2R2.0

Total Kjeldahl Nitrogen

USEPA353.2R2.0

Nitrate (total)	Nitrate-Nitrite (sum)

USEPA375.2R2.0

Sulfate

USEPA375.4

Sulfate

USEPA420.1

Phenolics

USEPA420.4R1.0

Phenolics

Wastewater, Organic

USEPA608

4,4'-DDD	4,4'-DDE	4,4'-DDT

10

State of Illinois
Environmental Protection Agency

Certificate No.: 002687

Awards the Certificate of Approval

First Environmental Laboratories, Inc.
1600 Shore Road, Suite D
Naperville, IL 60563

Wastewater, Organic

USEPA608

Aldrin		
alpha-BHC	beta-BHC	Chlordane
delta-BHC	Dieldrin	Endosulfan I
Endosulfan II	Endosulfan sulfate	Endrin
Endrin aldehyde	gamma-BHC (Lindane)	Heptachlor
Heptachlor epoxide	Methoxychlor	PCB-1016
PCB-1221	PCB-1232	PCB-1242
PCB-1248	PCB-1254	PCB-1260
Toxaphene		

USEPA624

1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane
1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichlorobenzene
1,2-Dichloroethane	1,2-Dichloropropane	1,3-Dichlorobenzene
1,4-Dichlorobenzene	2-Chloroethylvinyl ether	Acrolein (Propenal)
Acrylonitrile	Benzene	Bromodichloromethane
Bromoform	Bromomethane	Carbon tetrachloride
Chlorobenzene	Chloroethane	Chloroform
Chloromethane	cis-1,3-Dichloropropene	Dibromochloromethane
Dichloromethane (Methylene chloride)	Ethylbenzene	Methyl tert-butyl ether (MTBE)
Tetrachloroethene	Toluene	trans-1,2-Dichloroethene
trans-1,3-Dichloropropene	Trichloroethene	Trichlorofluoromethane
Vinyl chloride	Xylenes (total)	

USEPA625

1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene
1,4-Dichlorobenzene	2,2-Oxybis (1-chloropropane)	2,4,5-Trichlorophenol
2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol
2,4-Dinitrophenol	2,4-Dinitrotoluene (2,4-DNT)	2,6-Dinitrotoluene (2,6-DNT)
2-Chloronaphthalene	2-Chlorophenol	2-Methyl-4,6-dinitrophenol
2-Nitrophenol	3,3'-Dichlorobenzidine	4-Bromophenyl phenyl ether
4-Chloro-3-methylphenol	4-Chlorophenyl phenyl ether	4-Nitrophenol
Acenaphthene	Acenaphthylene	Anthracene
Benzidine	Benzo(a)anthracene	Benzo(a)pyrene
Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene
Benzyl butyl phthalate	Bis(2-chloroethoxy) methane	Bis(2-chloroethyl) ether
Bis(2-ethylhexyl) phthalate	Chrysene	Dibenz(a,h)anthracene
Diethyl phthalate	Dimethyl phthalate	Di-n-butyl phthalate
Di-n-octyl phthalate	Fluoranthene	Fluorene
Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene
Hexachloroethane	Indeno(1,2,3-cd) pyrene	Isophorone
Naphthalene	Nitrobenzene	N-Nitrosodimethylamine
N-Nitrosodi-n-propylamine	N-Nitrosodiphenylamine	Pentachlorophenol
Phenanthrene	Phenol	Pyrene

Analytical Data Summary

MALLARD NORTH - SPRING 2011

PARAMETER	UNITS	G101 4/18/2011 110418-X01	G101 4/26/2011 11-1686-016	G102 4/18/2011 110418-X02	G102 4/20/2011 11-1593-004	G103 4/18/2011 110418-X03	G103 4/20/2011 11-1593-006	G105 4/18/2011 110418-X04	G105 4/20/2011 11-1593-005	G106 4/18/2011 110418-X05
WATER ELEVATION	FEET	789.82	791.35	780.28	783.11	784.59	785.35	783.9	785.36	780.27
BOTTOM ELEVATION	FEET		758.23							
DEPTH TO WATER	FEET	17.51	15.98	23.38	20.55	15.57	14.81	5.24	3.78	2.62
DEPTH TO BOTTOM	FEET		49.1							
PH, FIELD	SU		6.90		7.05		7.07		7.14	
CONDUCTANCE, SPECIFIC	UMHOS/CM		2148		1307		891		961	
EH, FIELD	MV		-18.9		-99.2		60.5		-32.9	
OXYGEN, DISSOLVED	MG/L		2.11		6.93		1.83		6.59	
TURBIDITY, FIELD	NTU		78		138		14		43	
TEMPERATURE	DEG C		12.74		11.34		11.50		9.35	
COLOR, FIELD			CLEAR		CLEAR		CLEAR		CLEAR	
ODOR, FIELD			NONE		NONE		NONE		NONE	
METHANE, PERCENT BY VOLUME	%									
CARBON DIOXIDE, PERCENT BY VOL	%									
OXYGEN, PERCENT BY VOLUME	%									
BALANCE GAS	%									

15

© 2011 TRC All rights reserved.

MALLARD NORTH - SPRING 2011

PARAMETER	UNITS	G106 4/20/2011 11-1620-005	G108 4/18/2011 110418-X06	G108 4/20/2011 11-1620-002	G109 4/18/2011 110418-X07	G109 4/19/2011 11-1593-001	G112R 4/18/2011 110418-X08	G112R 4/22/2011 11-1632-002	G113 4/18/2011 110418-X09	G113 4/21/2011 11-1632-001
WATER ELEVATION	FEET	780.33	770.01	770.77	767.98	767.98	754.4	754.4	765.03	765.54
BOTTOM ELEVATION	FEET							724.78		
DEPTH TO WATER	FEET	2.56	4.96	4.20	4.75	4.75	23.38	23.38	11.43	10.92
DEPTH TO BOTTOM	FEET							53.0		
PH, FIELD	SU	6.94		6.79		6.47		7.22		6.63
CONDUCTANCE, SPECIFIC	UMHOS/CM	978		1393		4932		985		9163
EH, FIELD	MV	-10.5		-10.3		-48.7		44		-149.1
OXYGEN, DISSOLVED	MG/L	1.43		1.81		2.61		0.86		0.32
TURBIDITY, FIELD	NTU	20		9		24		26		45
TEMPERATURE	DEG C	9.30		9.41		9.65		11.35		11.66
COLOR, FIELD		CLEAR		CLEAR		CLEAR		CLEAR		CLEAR
ODOR, FIELD		NONE		NONE		NONE		NONE		SL SULF
METHANE, PERCENT BY VOLUME	%									
CARBON DIOXIDE, PERCENT BY VOL	%									
OXYGEN, PERCENT BY VOLUME	%									
BALANCE GAS	%									

© 2011 TRC All rights reserved.

MALLARD NORTH - SPRING 2011

PARAMETER	UNITS	G114D 4/18/2011 110418-X10	G114D 4/25/2011 11-1686-002	G114S 4/18/2011 110418-X11	G114S 4/25/2011 11-1686-001	G115 4/18/2011 110418-X12	G115 4/25/2011 11-1686-009	G116R 4/18/2011 110418-X13	G116R 4/26/2011 11-1706-011	G118 4/18/2011 110418-X14
WATER ELEVATION	FEET	759.63	760.17	765.94	764.85	772.4	771.59	782.26	783.05	764.23
BOTTOM ELEVATION	FEET		737.63		760.75		755.78		753.39	
DEPTH TO WATER	FEET	14.60	14.06	7.86	8.95	3.38	4.19	11.73	10.94	8.98
DEPTH TO BOTTOM	FEET		36.6		13.05		20.0		40.6	
PH, FIELD	SU		6.73		6.76		6.66		6.69	
CONDUCTANCE, SPECIFIC	UMHOS/CM		5543		5028		3457		5496	
EH, FIELD	MV		-89.1		-55.2		204		-29.6	
OXYGEN, DISSOLVED	MG/L		0.32		0.59		2.35		0.23	
TURBIDITY, FIELD	NTU		10		3		22		15	
TEMPERATURE	DEG C		12.68		11.39		10.61		13.29	
COLOR, FIELD			LT YLW		LT YLW		LT BRN		CLEAR	
ODOR, FIELD			NONE		NONE		NONE		NONE	
METHANE, PERCENT BY VOLUME	%									
CARBON DIOXIDE, PERCENT BY VOL	%									
OXYGEN, PERCENT BY VOLUME	%									
BALANCE GAS	%									

© 2011 TRC All rights reserved.

MALLARD NORTH - SPRING 2011

PARAMETER	UNITS	G118 4/21/2011 11-1632-007	G119 4/18/2011 110418-X15	G119 4/21/2011 11-1632-005	G120DR 4/18/2011 110418-X16	G120DR 4/27/2011 11-1706-004	G120S 4/18/2011 110418-X17	G120S 4/27/2011 11-1706-005	G121 4/18/2011 110418-X18	G121 4/26/2011 11-1686-019
WATER ELEVATION	FEET		760.7	763.65	751.4	752.08	765.02	766.06	764.96	766.02
BOTTOM ELEVATION	FEET					719.24		749.69		750.28
DEPTH TO WATER	FEET		17.35	14.4	24.84	24.16	11.17	10.13	11.42	10.36
DEPTH TO BOTTOM	FEET					57		26.5		26.1
PH, FIELD	SU	7.29		7.19		7.08		6.81		6.97
CONDUCTANCE, SPECIFIC	UMHOS/CM	1439		4828		1199		9301		1191
EH, FIELD	MV	52.4		-115.2		-94.2		-107.6		138.8
OXYGEN, DISSOLVED	MG/L			0.13		0.23		0.12		3.30
TURBIDITY, FIELD	NTU			39		943		5		4
TEMPERATURE	DEG C	11.55		13.26		12.53		11.95		10.83
COLOR, FIELD		LT GRAY		CLEAR		GREY		YELLOW		CLEAR
ODOR, FIELD		NONE		SLIGHT		NONE		STR SULF		NONE
METHANE, PERCENT BY VOLUME	%									
CARBON DIOXIDE, PERCENT BY VOL	%									
OXYGEN, PERCENT BY VOLUME	%									
BALANCE GAS	%									

© 2011 TRC All rights reserved.

MALLARD NORTH - SPRING 2011

PARAMETER	UNITS	G122 4/18/2011 110418-X19	G122 4/26/2011 11-1686-020	G123S 4/18/2011 110418-X20	G123S 4/27/2011 11-1707-001	GP-02A 4/18/2011 110418-X21	GP-02A 4/21/2011 11-1632-025	GP-02A I 4/18/2011 110418-X65	GP-02A S 4/18/2011 110418-X66	GP-02B 4/18/2011 110418-X22
WATER ELEVATION	FEET	765.27	766.08	765.33	766.08	780.63	780.6			781.85
BOTTOM ELEVATION	FEET		755.83		759.23		772.39			
DEPTH TO WATER	FEET	17.76	16.95	13.90	13.15	11.99	12.02			10.69
DEPTH TO BOTTOM	FEET		27.2		20.0		20.23			
PH, FIELD	SU		6.53		6.75		6.61			
CONDUCTANCE, SPECIFIC	UMHOS/CM		5329				2033			
EH, FIELD	MV		-89.9		-23.5		64.6			
OXYGEN, DISSOLVED	MG/L		0.20		0.69		2.00			
TURBIDITY, FIELD	NTU		3		100		144			
TEMPERATURE	DEG C		13.42		10.21		9.86			
COLOR, FIELD			V LT YLW		CLEAR		CLEAR			
ODOR, FIELD			NONE		NONE		SULFUR			
METHANE, PERCENT BY VOLUME	%							2.5	0.7	
CARBON DIOXIDE, PERCENT BY VOL	%							1.7	0.8	
OXYGEN, PERCENT BY VOLUME	%							19.6	20.2	
BALANCE GAS	%									

19

© 2011 TRC All rights reserved.

MALLARD NORTH - SPRING 2011

PARAMETER	UNITS	GP-02B 4/25/2011 11-1686-006	GP-02B I 4/18/2011 110418-X67	GP-02B S 4/18/2011 110418-X68	GP-04B 4/18/2011 110418-X23	GP-04B 4/21/2011 11-1632-012	GP-04C 4/18/2011 110418-X24	GP-04C 4/21/2011 11-1632-027	GP-04C I 4/18/2011 110418-X69	GP-04C I 4/21/2011 110418-X85
WATER ELEVATION	FEET	781.83			801.51	800.89	788.36	788.31		
BOTTOM ELEVATION	FEET									
DEPTH TO WATER	FEET	10.71			5.98	6.60	19.45	19.50		
DEPTH TO BOTTOM	FEET									
PH, FIELD	SU	6.74				6.87		7.17		
CONDUCTANCE, SPECIFIC	UMHOS/CM	6671				800		1136		
EH, FIELD	MV	-109.8				88.1		87.5		
OXYGEN, DISSOLVED	MG/L	0.44				9.62		4.76		
TURBIDITY, FIELD	NTU	165				46		> 1000		
TEMPERATURE	DEG C	10.76				10.99		10.59		
COLOR, FIELD		LT GRAY				LT BROWN		DK GRAY		
ODOR, FIELD		SL SULF				NONE		NONE		
METHANE, PERCENT BY VOLUME	%		0.4	0.1					0.0	2.7
CARBON DIOXIDE, PERCENT BY VOL	%		2.4	0.5					0.5	0.3
OXYGEN, PERCENT BY VOLUME	%		19.6	20.3					20.1	19.5
BALANCE GAS	%								79.4	

© 2011 TRC All rights reserved.

MALLARD NORTH - SPRING 2011

PARAMETER	UNITS	GP-04C S 4/18/2011 110418-X70	GP-06 4/18/2011 110418-X25	GP-06 4/19/2011 11-1573-005	GP-08B 4/18/2011 110418-X26	GP-08B 4/27/2011 11-1706-009	GP-11B 4/18/2011 110418-X27	GP-11B 4/20/2011 11-1620-001	GP-16A 4/18/2011 110418-X28	GP-16A 4/21/2011 11-1632-015
WATER ELEVATION	FEET		803.83	804.39	781.5	781.51	783.07	783.19	771.13	771.13
BOTTOM ELEVATION	FEET									758.54
DEPTH TO WATER	FEET		9.76	9.20	24.94	24.93	7.69	7.57	4.91	4.91
DEPTH TO BOTTOM	FEET									17.5
PH, FIELD	SU			6.93				6.83		6.91
CONDUCTANCE, SPECIFIC	UMHOS/CM			1943				1234		1814
EH, FIELD	MV			-30.5				46.1		37.5
OXYGEN, DISSOLVED	MG/L			2.03				3.74		3.61
TURBIDITY, FIELD	NTU			3						12
TEMPERATURE	DEG C			6.65				8.82		8.47
COLOR, FIELD				CLEAR				LT GRAY		CLEAR
ODOR, FIELD				NONE				NONE		NONE
METHANE, PERCENT BY VOLUME	%	0.0								
CARBON DIOXIDE, PERCENT BY VOL	%	0.3								
OXYGEN, PERCENT BY VOLUME	%	20.3								
BALANCE GAS	%	79.4								

© 2011 TRC All rights reserved.

MALLARD NORTH - SPRING 2011

PARAMETER	UNITS	GP-16B 4/18/2011 110418-X29	GP-16B 4/18/2011 11-1573-001	GP-19 4/18/2011 110418-X71	GP-19 4/25/2011 11-1686-008	GP-20 4/18/2011 110418-X31	GP-20 4/19/2011 11-1593-002	GP-21A 4/18/2011 110418-X32	GP-21A 4/21/2011 11-1632-019	GP-21B 4/18/2011 110418-X33
WATER ELEVATION	FEET	772.48	772.48	767.09	767.45	771.47	771.28	763.47	763.47	759.73
BOTTOM ELEVATION	FEET									
DEPTH TO WATER	FEET	3.63	3.63	7.04	6.68	3.45	3.64	6.54	6.54	10.67
DEPTH TO BOTTOM	FEET									
PH, FIELD	SU		7.44		7.11		7.05		6.89	
CONDUCTANCE, SPECIFIC	UMHOS/CM		2438		833		1737		2065	
EH, FIELD	MV		181.1		-83.7		-9.9		31.0	
OXYGEN, DISSOLVED	MG/L		1.22		0.26		2.24		2.40	
TURBIDITY, FIELD	NTU		27		> 1000				> 1000	
TEMPERATURE	DEG C		7.63		11.23		6.24		7.64	
COLOR, FIELD			CLEAR		LT GRAY		CLEAR		CLEAR	
ODOR, FIELD			NONE		NONE		NONE		NONE	
METHANE, PERCENT BY VOLUME	%									
CARBON DIOXIDE, PERCENT BY VOL	%									
OXYGEN, PERCENT BY VOLUME	%									
BALANCE GAS	%									

© 2011 TRC All rights reserved.

MALLARD NORTH - SPRING 2011

PARAMETER	UNITS	GP-21B 4/18/2011 11-1573-003	GP-22A 4/18/2011 110418-X34	GP-22A 4/26/2011 11-1686-012	GP-22B 4/18/2011 110418-X35	GP-22B 4/26/2011 11-1706-012	GP-22B I 4/18/2011 110418-X72	GP-22B S 4/18/2011 110418-X73	GP-23A 4/18/2011 110418-X36	GP-23A 4/21/2011 11-1632-023
WATER ELEVATION	FEET	759.73	774.74	774.33	755.88	756.55			773.86	773.86
BOTTOM ELEVATION	FEET			766.18		742.95				760.56
DEPTH TO WATER	FEET	10.67	3.32	3.73	19.67	19.00			3.50	3.50
DEPTH TO BOTTOM	FEET			11.88		32.6				16.8
PH, FIELD	SU	7.42		7.04		6.88				7.02
CONDUCTANCE, SPECIFIC	UMHOS/CM	3882		896		1631				2731
EH, FIELD	MV	11.2		8.5		-45.0				102.0
OXYGEN, DISSOLVED	MG/L	3.73		3.24		1.35				4.93
TURBIDITY, FIELD	NTU	4		33		7				43
TEMPERATURE	DEG C	7.92		11.92		15.14				9.36
COLOR, FIELD		CLEAR		CLEAR		GRAY				CLEAR
ODOR, FIELD		NONE		NONE		NONE				NONE
METHANE, PERCENT BY VOLUME	%						1.3	0.0		
CARBON DIOXIDE, PERCENT BY VOL	%						0.5	0.2		
OXYGEN, PERCENT BY VOLUME	%						20.0	20.5		
BALANCE GAS	%							79.3		

32

© 2011 TRC All rights reserved.

MALLARD NORTH - SPRING 2011

PARAMETER	UNITS	GP-23B 4/18/2011 110418-X37	GP-23B 4/21/2011 11-1632-013	GP-24A 4/27/2011 11-1706-003	GP-24B 4/18/2011 110418-X39	GP-24B 4/21/2011 11-1632-011	GP-24B I 4/18/2011 110418-X74	GP-24B I 4/21/2011 110418-X86	GP-24B S 4/18/2011 110418-X75	GP-24B S 4/21/2011 110418-X87
WATER ELEVATION	FEET	765.64	765.78	774.45	774.42	766.94				
BOTTOM ELEVATION	FEET		752.71	760.52		751.35				
DEPTH TO WATER	FEET	11.47	11.33	3.67	3.43	10.91				
DEPTH TO BOTTOM	FEET		24.4	17.6		26.5				
PH, FIELD	SU		7.10			6.94				
CONDUCTANCE, SPECIFIC	UMHOS/CM		2737			1298				
EH, FIELD	MV		195.5			126.3				
OXYGEN, DISSOLVED	MG/L		6.27			2.30				
TURBIDITY, FIELD	NTU		312			869				
TEMPERATURE	DEG C		9.71			9.91				
COLOR, FIELD			V LT BRN			GRAY				
ODOR, FIELD			SULFUR			NONE				
METHANE, PERCENT BY VOLUME	%						1.0	4.6	0.0	2.8
CARBON DIOXIDE, PERCENT BY VOL	%						0.5	0.2	0.1	0.0
OXYGEN, PERCENT BY VOLUME	%						20.5	20.2	20.7	20.3
BALANCE GAS	%						78	75.7	79.2	76.9

24

© 2011 TRC All rights reserved.

MALLARD NORTH - SPRING 2011

PARAMETER	UNITS	GP-25A 4/18/2011 110418-X40	GP-25A 4/26/2011 11-1686-010	GP-25B 4/18/2011 110418-X41	GP-25B 4/26/2011 11-1686-017	GP-27A 4/18/2011 110418-X42	GP-27A 4/26/2011 11-1686-018	GP-27B 4/18/2011 110418-X43	GP-27B 4/26/2011 11-1686-011	GP-29A 4/18/2011 110418-X44
WATER ELEVATION	FEET	774.07	773.43	761.4	761.4	773.18	773.49	756.53	757.02	773.7
BOTTOM ELEVATION	FEET						764.61		746.73	
DEPTH TO WATER	FEET	4.18	4.82	16.69	16.69	4.35	4.04	20.90	20.41	4.35
DEPTH TO BOTTOM	FEET						12.92		30.70	
PH, FIELD	SU		6.67						6.95	
CONDUCTANCE, SPECIFIC	UMHOS/CM		521						956	
EH, FIELD	MV		212							
OXYGEN, DISSOLVED	MG/L		10.50						3.01	
TURBIDITY, FIELD	NTU		1							
TEMPERATURE	DEG C		11.21						12.66	
COLOR, FIELD			CLEAR		LT BROWN		CLEAR		LT GRAY	
ODOR, FIELD			NONE		NONE		NONE		NONE	
METHANE, PERCENT BY VOLUME	%									
CARBON DIOXIDE, PERCENT BY VOL	%									
OXYGEN, PERCENT BY VOLUME	%									
BALANCE GAS	%									

© 2011 TRC All rights reserved.

MALLARD NORTH - SPRING 2011

PARAMETER	UNITS	GP-29A 4/21/2011 11-1632-017	GP-29B 4/18/2011 110418-X45	GP-29B 4/18/2011 11-1573-002	GP-30B 4/21/2011 11-1632-021	GP-30B I 4/18/2011 110418-X76	GP-30B S 4/18/2011 110418-X77	GP-31B 4/18/2011 110418-X47	GP-31B 4/20/2011 11-1620-003	GP-31B I 4/18/2011 110418-X78
WATER ELEVATION	FEET	765.13	768.69	768.69	769.76			766.7	770.94	
BOTTOM ELEVATION	FEET				755.82					
DEPTH TO WATER	FEET	12.92	9.20	9.20	8.46			10.52	6.28	
DEPTH TO BOTTOM	FEET				22.4					
PH, FIELD	SU	6.72		7.27	6.62				7.00	
CONDUCTANCE, SPECIFIC	UMHOS/CM	2487		1794	5657				856	
EH, FIELD	MV	59.0		-4.8	73.0				25.2	
OXYGEN, DISSOLVED	MG/L	3.29		4.09	2.03				5.85	
TURBIDITY, FIELD	NTU	13		34	15					
TEMPERATURE	DEG C	8.88		9.19	10.68				8.48	
COLOR, FIELD		V LT BRN		CLEAR	CLEAR				GRAY	
ODOR, FIELD		NONE		NONE	SULFUR				NONE	
METHANE, PERCENT BY VOLUME	%					0.9	0.0			0.1
CARBON DIOXIDE, PERCENT BY VOL	%					0.5	0.2			1.0
OXYGEN, PERCENT BY VOLUME	%					20.5	20.8			19.8
BALANCE GAS	%					78.1	79.0			79.2

26

© 2011 TRC All rights reserved.

MALLARD NORTH - SPRING 2011

PARAMETER	UNITS	GP-31B S 4/18/2011 110418-X79	GP-32B 4/18/2011 110418-X48	GP-32B 4/25/2011 11-1686-007	GP-35A 4/18/2011 110418-X49	GP-35A 4/20/2011 11-1620-006	GP-35B 4/18/2011 110418-X50	GP-35B 4/22/2011 11-1632-029	GP-37A 4/18/2011 110418-X51	GP-37A 4/19/2011 11-1573-004
WATER ELEVATION	FEET		764.95	765.08	774.18	775.09	775.1	775.1	765.02	765.07
BOTTOM ELEVATION	FEET							755.97		
DEPTH TO WATER	FEET		11.47	11.34	4.82	3.91	3.67	3.67	11.66	11.61
DEPTH TO BOTTOM	FEET							22.8		
PH, FIELD	SU			6.71		7.08				6.56
CONDUCTANCE, SPECIFIC	UMHOS/CM			2064		1352				1961
EH, FIELD	MV			-113.0		32.8				-86.1
OXYGEN, DISSOLVED	MG/L			0.60		6.85				0.48
TURBIDITY, FIELD	NTU			118		34				66
TEMPERATURE	DEG C			12.71		7.69				7.46
COLOR, FIELD				CLEAR		V LT BRN		CLEAR		CLEAR
ODOR, FIELD				SL SULF		NONE		NONE		NONE
METHANE, PERCENT BY VOLUME	%	0.1								
CARBON DIOXIDE, PERCENT BY VOL	%	1.0								
OXYGEN, PERCENT BY VOLUME	%	19.7								
BALANCE GAS	%	79.2								

© 2011 TRC All rights reserved.

MALLARD NORTH - SPRING 2011

PARAMETER	UNITS	GP-37A I 4/18/2011 110418-X80	GP-37A INSIDE I 4/18/2011 110418-X81	GP-37A S 4/18/2011 110418-X82	MW-201D 4/18/2011 110418-X53	MW-201D 4/26/2011 11-1686-013	MW-201S 4/18/2011 110418-X54	MW-201S 4/26/2011 11-1686-014	MW-202 4/18/2011 110418-X55	MW-202 4/22/2011 11-1632-010
WATER ELEVATION	FEET						765.17	765.98	764.96	765.39
BOTTOM ELEVATION	FEET									
DEPTH TO WATER	FEET				12.98	12.30	5.01	4.20	10.83	10.4
DEPTH TO BOTTOM	FEET									
PH, FIELD	SU					7.23		6.92		6.73
CONDUCTANCE, SPECIFIC	UMHOS/CM					2096		890		1680
EH, FIELD	MV					-152.8		-70.4		20.8
OXYGEN, DISSOLVED	MG/L					0.27		0.84		0.99
TURBIDITY, FIELD	NTU					389		76		22
TEMPERATURE	DEG C					11.76		9.57		7.85
COLOR, FIELD						LT GRAY		CLEAR		CLEAR
ODOR, FIELD						SLIGHT		NONE		NONE
METHANE, PERCENT BY VOLUME	%	0.0	10.1	0.0						
CARBON DIOXIDE, PERCENT BY VOL	%	0.0	3.1	0.0						
OXYGEN, PERCENT BY VOLUME	%	20.6	17.4	20.6						
BALANCE GAS	%	79.4		79.4						

© 2011 TRC All rights reserved.

MALLARD NORTH - SPRING 2011

PARAMETER	UNITS	MW-203 4/18/2011 110418-X56	MW-203 4/21/2011 11-1632-004	MW-204D 4/18/2011 110418-X57	MW-204D 4/27/2011 11-1706-002	MW-204D I 4/18/2011 110418-X83	MW-204D S 4/18/2011 110418-X84	MW-204S 4/18/2011 110418-X58	MW-204S 4/27/2011 11-1706-001	P-117B 4/18/2011 110418-X59
WATER ELEVATION	FEET	765.09	765.59	758.84	760.28			754.22	755.12	758.9
BOTTOM ELEVATION	FEET									
DEPTH TO WATER	FEET	7.93	7.43	18.94	17.5			24.30	23.4	15.35
DEPTH TO BOTTOM	FEET									
PH, FIELD	SU		6.84		6.62				7.42	
CONDUCTANCE, SPECIFIC	UMHOS/CM		867		1653				634	
EH, FIELD	MV		-59.5		-64.7				-133.0	
OXYGEN, DISSOLVED	MG/L		1.04		1.46				1.66	
TURBIDITY, FIELD	NTU		23		8				37	
TEMPERATURE	DEG C		8.53		10.48				10.63	
COLOR, FIELD			CLEAR		CLEAR				CLEAR	
ODOR, FIELD			NONE		SULFUR				NONE	
METHANE, PERCENT BY VOLUME	%					26.2	26.1			
CARBON DIOXIDE, PERCENT BY VOL	%					5.1	5.1			
OXYGEN, PERCENT BY VOLUME	%					10.2	9.3			
BALANCE GAS	%									

© 2011 TRC All rights reserved.

MALLARD NORTH - SPRING 2011

PARAMETER	UNITS	P-117B 4/20/2011 11-1593-009	P-118B 4/18/2011 110418-X60	P-118B 4/20/2011 11-1620-004	P-119B 4/18/2011 110418-X61	P-119B 4/21/2011 11-1632-009	P-121B 4/18/2011 110418-X62	P-121B 4/20/2011 11-1620-007
WATER ELEVATION	FEET	758.9	757.71	757.71	756.81	756.81	758.38	758.38
BOTTOM ELEVATION	FEET							
DEPTH TO WATER	FEET	15.35	15.33	15.33	21.20	21.20	17.75	17.75
DEPTH TO BOTTOM	FEET							
PH, FIELD	SU	6.97		7.08		6.85		6.74
CONDUCTANCE, SPECIFIC	UMHOS/CM	1956		1984		1978		2779
EH, FIELD	MV	-44.0		-62.6		-43.2		-51.4
OXYGEN, DISSOLVED	MG/L	2.87		2.57		1.75		2.16
TURBIDITY, FIELD	NTU	20		4		7		15
TEMPERATURE	DEG C	10.37		10.77		13.05		10.80
COLOR, FIELD		CLEAR		CLEAR		CLEAR		CLEAR
ODOR, FIELD		NONE		NONE		NONE		NONE
METHANE, PERCENT BY VOLUME	%							
CARBON DIOXIDE, PERCENT BY VOL	%							
OXYGEN, PERCENT BY VOLUME	%							
BALANCE GAS	%							

30

© 2011 TRC All rights reserved.

MALLARD NORTH LANDFILL- APRIL 2011
ANALYTICAL DATA SUMMARY

PARAMETER	UNITS	FIELD BLANK-01 4/21/2011 11-1632-008	FIELD BLANK-02 4/26/2011 11-1686-021	FIELD BLANK-03 4/26/2011 11-1706-013	FIELD BLANK-04 4/26/2011 11-1706-014	G101 4/26/2011 11-1686-016	G102 4/20/2011 11-1593-004	G102 DUP 4/20/2011 11-1593-007	G103 4/20/2011 11-1593-006	G103 DUP 4/20/2011 11-1593-008	G105 4/20/2011 11-1593-005
BOD	MG/L	2	1	1	1	1	2	1	2	1	2
CHLORIDE	MG/L	< 5	< 5	< 5	< 5	16	9	8	7	6	31
CHLORIDE, DISSOLVED	MG/L	< 5	< 5	< 5	< 5	17	9	8	7	6	29
COD	MG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
CYANIDE, TOTAL	MG/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
NITROGEN, AMMONIA	MG/L	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.46	0.29	< 0.1	< 0.1	< 0.1
NITROGEN, NITRATE + NITRITE	MG/L	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	1.45	< 0.1	< 0.1	< 0.1	0.12
NITROGEN, NITRATE, DISSOLVED	MG/L	< 0.1	< 0.1	< 0.1	< 0.1	0.22	< 0.1	< 0.1	< 0.1	< 0.1	0.12
NITROGEN, NITRITE, DISSOLVED	MG/L	< 0.01	< 0.01	< 0.01	< 0.01	0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
SOLIDS, TOTAL DISSOLVED	MG/L	< 10	< 10	< 10	< 10	1740	940	1070	541	546	574
SULFATE, DISSOLVED	MG/L	< 15	< 15	< 15	< 15	780	324	358	75	75	76
ARSENIC, DISSOLVED	UG/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
ARSENIC, TOTAL	UG/L	< 2	< 2	< 2	< 2	< 2	11	10	< 2	< 2	< 2
BARIUM, DISSOLVED	UG/L	< 1	2	< 1	< 1	13	91	89	43	46	45
BARIUM, TOTAL	UG/L	< 1	< 1	< 1	< 1	18	102	115	47	48	43
BORON, DISSOLVED	UG/L	10	20	< 10	< 10	110	170	160	70	70	90
CADMIUM, DISSOLVED	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CADMIUM, TOTAL	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CHROMIUM, DISSOLVED	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CHROMIUM, TOTAL	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
LEAD, DISSOLVED	UG/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
LEAD, TOTAL	UG/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
MAGNESIUM, DISSOLVED	UG/L	100	200	200	< 100	131000	88700	90700	54000	57700	56900
MERCURY, DISSOLVED	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
MERCURY, TOTAL	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
SELENIUM, DISSOLVED	UG/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
SELENIUM, TOTAL	UG/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
SILVER, DISSOLVED	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
SILVER, TOTAL	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
ZINC, DISSOLVED	UG/L	< 5	< 5	< 5	< 5	7	12	< 5	87	99	9
1,2,4-TRICHLOROBENZENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,2-DICHLOROBENZENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,3-DICHLOROBENZENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,4-DICHLOROBENZENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

33

I:\WPMSN\PJT1\01793\04\004\0179304004-003.XLSX 6/22/2011

© 2011 TRC All rights reserved.

MALLARD NORTH LANDFILL- APRIL 2011
ANALYTICAL DATA SUMMARY

PARAMETER	UNITS	FIELD BLANK-01 4/21/2011 11-1632-008	FIELD BLANK-02 4/26/2011 11-1686-021	FIELD BLANK-03 4/26/2011 11-1706-013	FIELD BLANK-04 4/26/2011 11-1706-014	G101 4/26/2011 11-1686-016	G102 4/20/2011 11-1593-004	G102 DUP 4/20/2011 11-1593-007	G103 4/20/2011 11-1593-006	G103 DUP 4/20/2011 11-1593-008	G105 4/20/2011 11-1593-005
2,2'-OXYBIS(1-CHLOROPROPANE)	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4,5-TRICHLOROPHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4,6-TRICHLOROPHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-DICHLOROPHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-DIMETHYLPHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-DINITROPHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-DINITROTOLUENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,6-DINITROTOLUENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-CHLORONAPHTHALENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-CHLOROPHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-METHYLNAPHTHALENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-METHYLPHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-NITROANILINE	UG/L	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2-NITROPHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
3 & 4-METHYLPHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
3,3'-DICHLOROBENZIDINE	UG/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
3-NITROANILINE	UG/L	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4,6-DINITRO-2-METHYLPHENOL	UG/L	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-BROMOPHENYL-PHENYLETHER	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-CHLORO-3-METHYLPHENOL	UG/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-CHLOROANILINE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-CHLOROPHENYL-PHENYLETHER	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-NITROANILINE	UG/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-NITROPHENOL	UG/L	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
ACENAPHTHENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
ACENAPHTHYLENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
ANTHRACENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
BENZIDINE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BENZO(A)ANTHRACENE	UG/L	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
BENZO(A)PYRENE	UG/L	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
BENZO(B)FLUORANTHENE	UG/L	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
BENZO(G,H,I)PERYLENE	UG/L	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
BENZO(K)FLUORANTHENE	UG/L	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
BENZOIC ACID	UG/L	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
BENZYL ALCOHOL	UG/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
BIS(2-CHLOROETHOXY)METHANE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

3h

© 2011 TRC All rights reserved.

MALLARD NORTH LANDFILL- APRIL 2011
ANALYTICAL DATA SUMMARY

PARAMETER	UNITS	FIELD BLANK-01 4/21/2011 11-1632-008	FIELD BLANK-02 4/26/2011 11-1686-021	FIELD BLANK-03 4/26/2011 11-1706-013	FIELD BLANK-04 4/26/2011 11-1706-014	G101 4/26/2011 11-1686-016	G102 4/20/2011 11-1593-004	G102 DUP 4/20/2011 11-1593-007	G103 4/20/2011 11-1593-006	G103 DUP 4/20/2011 11-1593-008	G105 4/20/2011 11-1593-005
BIS(2-CHLOROETHYL)ETHER	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
BUTYLBENZYLPHTHALATE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
CARBAZOLE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
CHRYSENE	UG/L	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
DIBENZ(A,H)ANTHRACENE	UG/L	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
DIBENZOFURAN	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DIETHYLPHTHALATE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DIMETHYLPHTHALATE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DI-N-BUTYLPHTHALATE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DI-N-OCTYLPHTHALATE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
FLUORANTHENE	UG/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
FLUORENE	UG/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
HEXACHLOROBENZENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
HEXACHLOROBUTADIENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
HEXACHLOROCYCLOPENTADIENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
HEXACHLOROETHANE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
INDENO(1,2,3-CD)PYRENE	UG/L	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
ISOPHORONE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
NAPHTHALENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
NITROBENZENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-NITROSODI-N-PROPYLAMINE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-NITROSODIPHENYLAMINE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-NITROSOMETHYLETHYLAMINE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PENTACHLOROPHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PHENANTHRENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
PHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PYRENE	UG/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1,1-TRICHLOROETHANE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-TETRACHLOROETHANE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-TRICHLOROETHANE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-DICHLOROETHANE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-DICHLOROETHENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-DICHLOROETHANE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-DICHLOROPROPANE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

35

© 2011 TRC All rights reserved.

MALLARD NORTH LANDFILL- APRIL 2011
ANALYTICAL DATA SUMMARY

PARAMETER	UNITS	FIELD BLANK-01 4/21/2011 11-1632-008	FIELD BLANK-02 4/26/2011 11-1686-021	FIELD BLANK-03 4/26/2011 11-1706-013	FIELD BLANK-04 4/26/2011 11-1706-014	G101 4/26/2011 11-1686-016	G102 4/20/2011 11-1593-004	G102 DUP 4/20/2011 11-1593-007	G103 4/20/2011 11-1593-006	G103 DUP 4/20/2011 11-1593-008	G105 4/20/2011 11-1593-005
2-BUTANONE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-HEXANONE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-METHYL-2-PENTANONE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
ACETONE	UG/L	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100
BENZENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
BROMODICHLOROMETHANE	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
BROMOFORM	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
BROMOMETHANE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
CARBON DISULFIDE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
CARBON TETRACHLORIDE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
CHLOROBENZENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
CHLORODIBROMOMETHANE	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CHLOROETHANE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
CHLOROFORM	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CHLOROMETHANE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
CIS-1,2-DICHLOROETHENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
CIS-1,3-DICHLOROPROPENE	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
ETHYLBENZENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
METHANE	UG/L	< 2 NS	< 2 NS	< 2 NS	< 2 NS	< 2 NS	48.8 NS	37.4 NS	< 2 NS	< 2 NS	< 2 NS
METHYLENE CHLORIDE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
METHYL-TERT-BUTYL-ETHER	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
STYRENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
TETRACHLOROETHENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
TOLUENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
TRANS-1,2-DICHLOROETHENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
TRANS-1,3-DICHLOROPROPENE	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
TRICHLOROETHENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
VINYL ACETATE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
VINYL CHLORIDE	UG/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
XYLENE, TOTAL	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

36

© 2011 TRC All rights reserved.

MALLARD NORTH LANDFILL- APRIL 2011
ANALYTICAL DATA SUMMARY

PARAMETER	UNITS	G106 4/20/2011 11-1620-005	G108 4/20/2011 11-1620-002	G109 4/19/2011 11-1593-001	G109 DUP 4/19/2011 11-1593-003	G112R 4/22/2011 11-1632-002	G113 4/21/2011 11-1632-001	G114D 4/25/2011 11-1686-002	G114S 4/25/2011 11-1686-001	G115 4/25/2011 11-1686-009	G116R 4/26/2011 11-1706-011
BOD	MG/L	2	3	24	19	4	20	4	4	6	18
CHLORIDE	MG/L	19	29	670	820	84	1660	760	690	330	940
CHLORIDE, DISSOLVED	MG/L	19	30	840	830	84	1670	810	710	330	950
COD	MG/L	13	< 10	140	140	< 10	447	349	297	101	358
CYANIDE, TOTAL	MG/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.008	< 0.005	< 0.005	0.015	0.006
NITROGEN, AMMONIA	MG/L	0.13	< 0.1	38	38.4	0.24	276	154	116	53.1	45
NITROGEN, NITRATE + NITRITE	MG/L	0.2	0.32	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	66.1	< 0.1
NITROGEN, NITRATE, DISSOLVED	MG/L	< 0.1	0.29	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.2	64.6	< 0.1
NITROGEN, NITRITE, DISSOLVED	MG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	2.6	< 0.01
SOLIDS, TOTAL DISSOLVED	MG/L	591	998	2880	2910	578	4660	2650	2460	1960	1600
SULFATE, DISSOLVED	MG/L	72	305	< 15	< 15	53	< 15	36	78	76	60
ARSENIC, DISSOLVED	UG/L	< 2	< 2	< 2	< 2	< 2	< 2	33	29	< 2	10
ARSENIC, TOTAL	UG/L	< 2	< 2	< 2	< 2	< 2	< 2	34	31	< 2	15
BARIUM, DISSOLVED	UG/L	64	55	2300	2200	77	4350	964	817	412	423
BARIUM, TOTAL	UG/L	69	55	2300	2270	84	4550	981	839	449	431
BORON, DISSOLVED	UG/L	70	50	1220	1160	200	3120	1970	1750	1640	1710
CADMIUM, DISSOLVED	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CADMIUM, TOTAL	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CHROMIUM, DISSOLVED	UG/L	< 1	< 1	3	3	< 1	5	3	3	1	2
CHROMIUM, TOTAL	UG/L	< 1	< 1	3	3	< 1	6	4	3	1	4
LEAD, DISSOLVED	UG/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
LEAD, TOTAL	UG/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
MAGNESIUM, DISSOLVED	UG/L	55200	84400	184000	175000	55700	198000	167000	157000	124000	319000
MERCURY, DISSOLVED	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
MERCURY, TOTAL	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
SELENIUM, DISSOLVED	UG/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
SELENIUM, TOTAL	UG/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
SILVER, DISSOLVED	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
SILVER, TOTAL	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
ZINC, DISSOLVED	UG/L	32	< 5	68	49	60	5	6	25	25	77
1,2,4-TRICHLOROBENZENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,2-DICHLOROBENZENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,3-DICHLOROBENZENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,4-DICHLOROBENZENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

3

© 2011 TRC All rights reserved.

MALLARD NORTH LANDFILL- APRIL 2011
ANALYTICAL DATA SUMMARY

PARAMETER	UNITS	G106 4/20/2011 11-1620-005	G108 4/20/2011 11-1620-002	G109 4/19/2011 11-1593-001	G109 DUP 4/19/2011 11-1593-003	G112R 4/22/2011 11-1632-002	G113 4/21/2011 11-1632-001	G114D 4/25/2011 11-1686-002	G114S 4/25/2011 11-1686-001	G115 4/25/2011 11-1686-009	G116R 4/26/2011 11-1706-011
2,2'-OXYBIS(1-CHLOROPROPANE)	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4,5-TRICHLOROPHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4,6-TRICHLOROPHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-DICHLOROPHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-DIMETHYLPHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-DINITROPHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-DINITROTOLUENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,6-DINITROTOLUENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-CHLORONAPHTHALENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-CHLOROPHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-METHYLNAPHTHALENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-METHYLPHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-NITROANILINE	UG/L	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2-NITROPHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
3 & 4-METHYLPHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
3,3'-DICHLOROBENZIDINE	UG/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
3-NITROANILINE	UG/L	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4,6-DINITRO-2-METHYLPHENOL	UG/L	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-BROMOPHENYL-PHENYLETHER	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-CHLORO-3-METHYLPHENOL	UG/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-CHLOROANILINE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-CHLOROPHENYL-PHENYLETHER	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-NITROANILINE	UG/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-NITROPHENOL	UG/L	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
ACENAPHTHENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
ACENAPHTHYLENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
ANTHRACENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
BENZIDINE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BENZO(A)ANTHRACENE	UG/L	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
BENZO(A)PYRENE	UG/L	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
BENZO(B)FLUORANTHENE	UG/L	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
BENZO(G,H,I)PERYLENE	UG/L	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
BENZO(K)FLUORANTHENE	UG/L	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
BENZOIC ACID	UG/L	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
BENZYL ALCOHOL	UG/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
BIS(2-CHLOROETHOXY)METHANE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

38

I:\WPMSN\PJT1\01793\04\004\0179304004-003.XLSX 6/22/2011

© 2011 TRC All rights reserved.

MALLARD NORTH LANDFILL- APRIL 2011
ANALYTICAL DATA SUMMARY

PARAMETER	UNITS	G106 4/20/2011 11-1620-005	G108 4/20/2011 11-1620-002	G109 4/19/2011 11-1593-001	G109 DUP 4/19/2011 11-1593-003	G112R 4/22/2011 11-1632-002	G113 4/21/2011 11-1632-001	G114D 4/25/2011 11-1686-002	G114S 4/25/2011 11-1686-001	G115 4/25/2011 11-1686-009	G116R 4/26/2011 11-1706-011
BIS(2-CHLOROETHYL)ETHER	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
BUTYLBENZYLPHTHALATE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
CARBAZOLE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
CHRYSENE	UG/L	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
DIBENZ(A,H)ANTHRACENE	UG/L	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
DIBENZOFURAN	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DIETHYLPHTHALATE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DIMETHYLPHTHALATE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DI-N-BUTYLPHTHALATE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DI-N-OCTYLPHTHALATE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
FLUORANTHENE	UG/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
FLUORENE	UG/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
HEXACHLOROBENZENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
HEXACHLOROBUTADIENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
HEXACHLOROCYCLOPENTADIENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
HEXACHLOROETHANE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
INDENO(1,2,3-CD)PYRENE	UG/L	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
ISOPHORONE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
NAPHTHALENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
NITROBENZENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-NITROSODI-N-PROPYLAMINE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-NITROSODIPHENYLAMINE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-NITROSOMETHYLETHYLAMINE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PENTACHLOROPHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PHENANTHRENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
PHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PYRENE	UG/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1,1-TRICHLOROETHANE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-TETRACHLOROETHANE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-TRICHLOROETHANE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-DICHLOROETHANE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-DICHLOROETHENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-DICHLOROETHANE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-DICHLOROPROPANE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

35

© 2011 TRC All rights reserved.

MALLARD NORTH LANDFILL- APRIL 2011
ANALYTICAL DATA SUMMARY

PARAMETER	UNITS	G106 4/20/2011 11-1620-005	G108 4/20/2011 11-1620-002	G109 4/19/2011 11-1593-001	G109 DUP 4/19/2011 11-1593-003	G112R 4/22/2011 11-1632-002	G113 4/21/2011 11-1632-001	G114D 4/25/2011 11-1686-002	G114S 4/25/2011 11-1686-001	G115 4/25/2011 11-1686-009	G116R 4/26/2011 11-1706-011
2-BUTANONE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-HEXANONE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-METHYL-2-PENTANONE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
ACETONE	UG/L	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100
BENZENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
BROMODICHLOROMETHANE	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
BROMOFORM	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
BROMOMETHANE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
CARBON DISULFIDE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
CARBON TETRACHLORIDE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
CHLOROBENZENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
CHLORODIBROMOMETHANE	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CHLOROETHANE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
CHLOROFORM	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CHLOROMETHANE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
CIS-1,2-DICHLOROETHENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
CIS-1,3-DICHLOROPROPENE	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
ETHYLBENZENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
METHANE	UG/L	38.7 NS	< 2 NS	2510 NS	2440 NS	1010 NS	1640 NS	1160 NS	955 NS	200 NS	1870 NS
METHYLENE CHLORIDE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
METHYL-TERT-BUTYL-ETHER	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
STYRENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
TETRACHLOROETHENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
TOLUENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
TRANS-1,2-DICHLOROETHENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
TRANS-1,3-DICHLOROPROPENE	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
TRICHLOROETHENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
VINYL ACETATE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
VINYL CHLORIDE	UG/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
XYLENE, TOTAL	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

40

© 2011 TRC All rights reserved.

MALLARD NORTH LANDFILL- APRIL 2011
ANALYTICAL DATA SUMMARY

PARAMETER	UNITS	G118 4/21/2011 11-1632-007	G118 DUP 4/21/2011 11-1632-006	G119 4/21/2011 11-1632-005	G120DR 4/27/2011 11-1706-004	G120S 4/27/2011 11-1706-005	G120S DUP 4/27/2011 11-1706-010	G121 4/26/2011 11-1686-019	G122 4/26/2011 11-1686-020	G123S 4/27/2011 11-1707-001	GP-02A 4/21/2011 11-1632-025
BOD	MG/L	2	5	3	1	13	23	1	13	1	
CHLORIDE	MG/L	5	6	1200	110	1680	1740	32	660	129	
CHLORIDE, DISSOLVED	MG/L	< 5	6	1190	102	1690	1720	20	670	132	8
COD	MG/L	< 10	< 10	118	19	603	606	18	338	18	
CYANIDE, TOTAL	MG/L	< 0.005	< 0.005	< 0.005	< 0.005	0.008	0.009	< 0.005	0.006	< 0.005	
NITROGEN, AMMONIA	MG/L	< 0.1	< 0.1	5.95	6.23	234	242	4.08	154	0.32	
NITROGEN, NITRATE + NITRITE	MG/L	0.11	< 0.1	< 0.1	< 0.1	0.27	1.02	0.55	< 0.1	< 0.1	
NITROGEN, NITRATE, DISSOLVED	MG/L	0.1	< 0.1	< 0.1	< 0.1	0.3	0.29	0.62	< 0.1	< 0.1	< 0.1
NITROGEN, NITRITE, DISSOLVED	MG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
SOLIDS, TOTAL DISSOLVED	MG/L	1170	1160	2660	693	3970	4030	797	2450	1360	
SULFATE, DISSOLVED	MG/L	620	505	21	101	19	17	367	18	309	960
ARSENIC, DISSOLVED	UG/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
ARSENIC, TOTAL	UG/L	< 2	< 2	7	8	< 2	5	< 2	< 2	< 2	6
BARIUM, DISSOLVED	UG/L	12	16	404	136	2720	2690	22	686	67	80
BARIUM, TOTAL	UG/L	16	13	472	166	2390	2600	30	674	66	88
BORON, DISSOLVED	UG/L	250	260	290	110	2260	2270	50	2110	60	110
CADMIUM, DISSOLVED	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CADMIUM, TOTAL	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CHROMIUM, DISSOLVED	UG/L	< 1	< 1	1	< 1	5	5	< 1	3	< 1	< 1
CHROMIUM, TOTAL	UG/L	1	< 1	2	8	4	5	< 1	3	< 1	7
LEAD, DISSOLVED	UG/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
LEAD, TOTAL	UG/L	< 2	< 2	< 2	10	< 2	< 2	< 2	< 2	< 2	6
MAGNESIUM, DISSOLVED	UG/L	88700	94400	213000	57400	92800	92800	50100	137000	127000	132000
MERCURY, DISSOLVED	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
MERCURY, TOTAL	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
SELENIUM, DISSOLVED	UG/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
SELENIUM, TOTAL	UG/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
SILVER, DISSOLVED	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
SILVER, TOTAL	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
ZINC, DISSOLVED	UG/L	131	131	39	15	24	28	83	< 5	8	15
1,2,4-TRICHLOROBENZENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,2-DICHLOROBENZENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,3-DICHLOROBENZENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,4-DICHLOROBENZENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

© 2011 TRC All rights reserved.

MALLARD NORTH LANDFILL- APRIL 2011
ANALYTICAL DATA SUMMARY

PARAMETER	UNITS	G118 4/21/2011 11-1632-007	G118 DUP 4/21/2011 11-1632-006	G119 4/21/2011 11-1632-005	G120DR 4/27/2011 11-1706-004	G120S 4/27/2011 11-1706-005	G120S DUP 4/27/2011 11-1706-010	G121 4/26/2011 11-1686-019	G122 4/26/2011 11-1686-020	G123S 4/27/2011 11-1707-001	GP-02A 4/21/2011 11-1632-025
2,2'-OXYBIS(1-CHLOROPROPANE)	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4,5-TRICHLOROPHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4,6-TRICHLOROPHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-DICHLOROPHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-DIMETHYLPHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-DINITROPHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-DINITROTOLUENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,6-DINITROTOLUENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-CHLORONAPHTHALENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-CHLOROPHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-METHYLNAPHTHALENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-METHYLPHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-NITROANILINE	UG/L	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2-NITROPHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
3 & 4-METHYLPHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
3,3'-DICHLOROBENZIDINE	UG/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
3-NITROANILINE	UG/L	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4,6-DINITRO-2-METHYLPHENOL	UG/L	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-BROMOPHENYL-PHENYLETHER	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-CHLORO-3-METHYLPHENOL	UG/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-CHLOROANILINE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-CHLOROPHENYL-PHENYLETHER	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-NITROANILINE	UG/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-NITROPHENOL	UG/L	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
ACENAPHTHENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
ACENAPHTHYLENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
ANTHRACENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
BENZIDINE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BENZO(A)ANTHRACENE	UG/L	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
BENZO(A)PYRENE	UG/L	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
BENZO(B)FLUORANTHENE	UG/L	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
BENZO(G,H,I)PERYLENE	UG/L	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
BENZO(K)FLUORANTHENE	UG/L	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
BENZOIC ACID	UG/L	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
BENZYL ALCOHOL	UG/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
BIS(2-CHLOROETHOXY)METHANE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

© 2011 TRC All rights reserved.

MALLARD NORTH LANDFILL- APRIL 2011
ANALYTICAL DATA SUMMARY

PARAMETER	UNITS	G118 4/21/2011 11-1632-007	G118 DUP 4/21/2011 11-1632-006	G119 4/21/2011 11-1632-005	G120DR 4/27/2011 11-1706-004	G120S 4/27/2011 11-1706-005	G120S DUP 4/27/2011 11-1706-010	G121 4/26/2011 11-1686-019	G122 4/26/2011 11-1686-020	G123S 4/27/2011 11-1707-001	GP-02A 4/21/2011 11-1632-025
BIS(2-CHLOROETHYL)ETHER	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
BUTYLBENZYLPHTHALATE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
CARBAZOLE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
CHRYSENE	UG/L	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
DIBENZ(A,H)ANTHRACENE	UG/L	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
DIBENZOFURAN	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DIETHYLPHTHALATE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DIMETHYLPHTHALATE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DI-N-BUTYLPHTHALATE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DI-N-OCTYLPHTHALATE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
FLUORANTHENE	UG/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
FLUORENE	UG/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
HEXACHLOROBENZENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
HEXACHLOROBUTADIENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
HEXACHLOROCYCLOPENTADIENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
HEXACHLOROETHANE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
INDENO(1,2,3-CD)PYRENE	UG/L	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
ISOPHORONE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
NAPHTHALENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
NITROBENZENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-NITROSODI-N-PROPYLAMINE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-NITROSODIPHENYLAMINE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-NITROSOMETHYLETHYLAMINE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PENTACHLOROPHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PHENANTHRENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
PHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PYRENE	UG/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1,1-TRICHLOROETHANE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-TETRACHLOROETHANE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-TRICHLOROETHANE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-DICHLOROETHANE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-DICHLOROETHENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-DICHLOROETHANE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-DICHLOROPROPANE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

43

© 2011 TRC All rights reserved.

MALLARD NORTH LANDFILL- APRIL 2011
ANALYTICAL DATA SUMMARY

PARAMETER	UNITS	G118 4/21/2011 11-1632-007	G118 DUP 4/21/2011 11-1632-006	G119 4/21/2011 11-1632-005	G120DR 4/27/2011 11-1706-004	G120S 4/27/2011 11-1706-005	G120S DUP 4/27/2011 11-1706-010	G121 4/26/2011 11-1686-019	G122 4/26/2011 11-1686-020	G123S 4/27/2011 11-1707-001	GP-02A 4/21/2011 11-1632-025
2-BUTANONE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-HEXANONE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-METHYL-2-PENTANONE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
ACETONE	UG/L	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100
BENZENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	30.1	< 5	< 5
BROMODICHLOROMETHANE	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
BROMOFORM	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
BROMOMETHANE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
CARBON DISULFIDE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
CARBON TETRACHLORIDE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
CHLOROBENZENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
CHLORODIBROMOMETHANE	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CHLOROETHANE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
CHLOROFORM	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CHLOROMETHANE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
CIS-1,2-DICHLOROETHENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
CIS-1,3-DICHLOROPROPENE	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
ETHYLBENZENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
METHANE	UG/L	< 2 NS	< 2 NS	496 NS	199 NS	1490 NS	1530 NS	25.3 NS	3400 NS	36.2 NS	855 NS
METHYLENE CHLORIDE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
METHYL-TERT-BUTYL-ETHER	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
STYRENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
TETRACHLOROETHENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
TOLUENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
TRANS-1,2-DICHLOROETHENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
TRANS-1,3-DICHLOROPROPENE	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
TRICHLOROETHENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
VINYL ACETATE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
VINYL CHLORIDE	UG/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
XYLENE, TOTAL	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

© 2011 TRC All rights reserved.

MALLARD NORTH LANDFILL- APRIL 2011
ANALYTICAL DATA SUMMARY

PARAMETER	UNITS	GP-02A 4/22/2011 11-1632-026	GP-02B 4/25/2011 11-1686-006	GP-04B 4/21/2011 11-1632-012	GP-04C 4/21/2011 11-1632-027	GP-04C 4/22/2011 11-1632-028	GP-04C 4/25/2011 11-1686-003	GP-06 4/19/2011 11-1573-005	GP-08B 4/27/2011 11-1706-009	GP-11B 4/20/2011 11-1620-001	GP-11B 4/21/2011 11-1620-008
BOD	MG/L	2	32	2			1	1			3
CHLORIDE	MG/L	6	1110	6			11	80			30
CHLORIDE, DISSOLVED	MG/L		1140	5	10			81		38	
COD	MG/L	19	499	18		30		17			12
CYANIDE, TOTAL	MG/L	< 0.005	0.009	< 0.005			< 0.005	< 0.005			< 0.005
NITROGEN, AMMONIA	MG/L	0.64	112	0.16		3.81		< 0.1			0.35
NITROGEN, NITRATE + NITRITE	MG/L	0.3	< 0.1	0.24		< 0.1		< 0.1			0.25
NITROGEN, NITRATE, DISSOLVED	MG/L		< 0.1	0.12	< 0.1			< 0.1		< 0.1	
NITROGEN, NITRITE, DISSOLVED	MG/L		< 0.01	0.01	< 0.01			< 0.01		< 0.01	
SOLIDS, TOTAL DISSOLVED	MG/L	1900	3770	402			1490	1340			757
SULFATE, DISSOLVED	MG/L		26	120	185			334		246	
ARSENIC, DISSOLVED	UG/L		< 2	< 2	< 2			< 2		< 2	
ARSENIC, TOTAL	UG/L		< 2	< 2		40		< 2			< 2
BARIUM, DISSOLVED	UG/L		1390	54	56			52		64	
BARIUM, TOTAL	UG/L		1470	40		620		84			100
BORON, DISSOLVED	UG/L		2470	110	150			50		70	
CADMIUM, DISSOLVED	UG/L		< 1	< 1	< 1			< 1		1	
CADMIUM, TOTAL	UG/L		< 1	< 1		3		< 1			< 1
CHROMIUM, DISSOLVED	UG/L		3	< 1	< 1			< 1		< 1	
CHROMIUM, TOTAL	UG/L		4	1		66		< 1			3
LEAD, DISSOLVED	UG/L		< 2	< 2	< 2			< 2		< 2	
LEAD, TOTAL	UG/L		< 2	< 2		65		< 2			7
MAGNESIUM, DISSOLVED	UG/L		374000	86000	69500			140000		80300	
MERCURY, DISSOLVED	UG/L		< 0.5	< 0.5	< 0.5			< 0.5		< 0.5	
MERCURY, TOTAL	UG/L		< 0.5	< 0.5		< 0.5		< 0.5			< 0.5
SELENIUM, DISSOLVED	UG/L		< 2	< 2	< 2			< 2		< 2	
SELENIUM, TOTAL	UG/L		< 2	< 2		< 2		< 2			< 2
SILVER, DISSOLVED	UG/L		< 1	< 1	< 1			< 1		< 1	
SILVER, TOTAL	UG/L		< 1	< 1		< 1		< 1			< 1
ZINC, DISSOLVED	UG/L		< 5	< 5	< 5			< 5		25	
1,2,4-TRICHLOROBENZENE	UG/L		< 10	< 10	< 10			< 10		< 10	
1,2-DICHLOROBENZENE	UG/L		< 10	< 10	< 10			< 10		< 10	
1,3-DICHLOROBENZENE	UG/L		< 10	< 10	< 10			< 10		< 10	
1,4-DICHLOROBENZENE	UG/L		< 10	< 10	< 10			< 10		< 10	

© 2011 TRC All rights reserved.

MALLARD NORTH LANDFILL- APRIL 2011
ANALYTICAL DATA SUMMARY

PARAMETER	UNITS	GP-02A 4/22/2011 11-1632-026	GP-02B 4/25/2011 11-1686-006	GP-04B 4/21/2011 11-1632-012	GP-04C 4/21/2011 11-1632-027	GP-04C 4/22/2011 11-1632-028	GP-04C 4/25/2011 11-1686-003	GP-06 4/19/2011 11-1573-005	GP-08B 4/27/2011 11-1706-009	GP-11B 4/20/2011 11-1620-001	GP-11B 4/21/2011 11-1620-008
2,2'-OXYBIS(1-CHLOROPROPANE)	UG/L		< 10	< 10	< 10			< 10		< 10	
2,4,5-TRICHLOROPHENOL	UG/L		< 10	< 10	< 10			< 10		< 10	
2,4,6-TRICHLOROPHENOL	UG/L		< 10	< 10	< 10			< 10		< 10	
2,4-DICHLOROPHENOL	UG/L		< 10	< 10	< 10			< 10		< 10	
2,4-DIMETHYLPHENOL	UG/L		< 10	< 10	< 10			< 10		< 10	
2,4-DINITROPHENOL	UG/L		< 10	< 10	< 10			< 10		< 10	
2,4-DINITROTOLUENE	UG/L		< 10	< 10	< 10			< 10		< 10	
2,6-DINITROTOLUENE	UG/L		< 10	< 10	< 10			< 10		< 10	
2-CHLORONAPHTHALENE	UG/L		< 10	< 10	< 10			< 10		< 10	
2-CHLOROPHENOL	UG/L		< 10	< 10	< 10			< 10		< 10	
2-METHYLNAPHTHALENE	UG/L		< 10	< 10	< 10			< 10		< 10	
2-METHYLPHENOL	UG/L		< 10	< 10	< 10			< 10		< 10	
2-NITROANILINE	UG/L		< 50	< 50	< 50			< 50		< 50	
2-NITROPHENOL	UG/L		< 10	< 10	< 10			< 10		< 10	
3 & 4-METHYLPHENOL	UG/L		< 10	< 10	< 10			< 10		< 10	
3,3'-DICHLOROBENZIDINE	UG/L		< 20	< 20	< 20			< 20		< 20	
3-NITROANILINE	UG/L		< 50	< 50	< 50			< 50		< 50	
4,6-DINITRO-2-METHYLPHENOL	UG/L		< 50	< 50	< 50			< 50		< 50	
4-BROMOPHENYL-PHENYLETHER	UG/L		< 10	< 10	< 10			< 10		< 10	
4-CHLORO-3-METHYLPHENOL	UG/L		< 20	< 20	< 20			< 20		< 20	
4-CHLOROANILINE	UG/L		< 10	< 10	< 10			< 10		< 10	
4-CHLOROPHENYL-PHENYLETHER	UG/L		< 10	< 10	< 10			< 10		< 10	
4-NITROANILINE	UG/L		< 20	< 20	< 20			< 20		< 20	
4-NITROPHENOL	UG/L		< 50	< 50	< 50			< 50		< 50	
ACENAPHTHENE	UG/L		< 10	< 10	< 10			< 10		< 10	
ACENAPHTHYLENE	UG/L		< 10	< 10	< 10			< 10		< 10	
ANTHRACENE	UG/L		< 5	< 5	< 5			< 5		< 5	
BENZIDINE	UG/L		< 10	< 10	< 10			< 10		< 10	
BENZO(A)ANTHRACENE	UG/L		< 0.13	< 0.13	< 0.13			< 0.13		< 0.13	
BENZO(A)PYRENE	UG/L		< 0.2	< 0.2	< 0.2			< 0.2		< 0.2	
BENZO(B)FLUORANTHENE	UG/L		< 0.18	< 0.18	< 0.18			< 0.18		< 0.18	
BENZO(G,H,I)PERYLENE	UG/L		< 0.4	< 0.4	< 0.4			< 0.4		< 0.4	
BENZO(K)FLUORANTHENE	UG/L		< 0.17	< 0.17	< 0.17			< 0.17		< 0.17	
BENZOIC ACID	UG/L		< 50	< 50	< 50			< 50		< 50	
BENZYL ALCOHOL	UG/L		< 20	< 20	< 20			< 20		< 20	
BIS(2-CHLOROETHOXY)METHANE	UG/L		< 10	< 10	< 10			< 10		< 10	

© 2011 TRC All rights reserved.

MALLARD NORTH LANDFILL- APRIL 2011
ANALYTICAL DATA SUMMARY

PARAMETER	UNITS	GP-02A 4/22/2011 11-1632-026	GP-02B 4/25/2011 11-1686-006	GP-04B 4/21/2011 11-1632-012	GP-04C 4/21/2011 11-1632-027	GP-04C 4/22/2011 11-1632-028	GP-04C 4/25/2011 11-1686-003	GP-06 4/19/2011 11-1573-005	GP-08B 4/27/2011 11-1706-009	GP-11B 4/20/2011 11-1620-001	GP-11B 4/21/2011 11-1620-008
BIS(2-CHLOROETHYL)ETHER	UG/L		< 10	< 10	< 10			< 10		< 10	
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L		< 5	< 5	< 5			< 5		< 5	
BUTYLBENZYLPHTHALATE	UG/L		< 10	< 10	< 10			< 10		< 10	
CARBAZOLE	UG/L		< 10	< 10	< 10			< 10		< 10	
CHRYSENE	UG/L		< 1.5	< 1.5	< 1.5			< 1.5		< 1.5	
DIBENZ(A,H)ANTHRACENE	UG/L		< 0.3	< 0.3	< 0.3			< 0.3		< 0.3	
DIBENZOFURAN	UG/L		< 10	< 10	< 10			< 10		< 10	
DIETHYLPHTHALATE	UG/L		< 10	< 10	< 10			< 10		< 10	
DIMETHYLPHTHALATE	UG/L		< 10	< 10	< 10			< 10		< 10	
DI-N-BUTYLPHTHALATE	UG/L		< 10	< 10	< 10			< 10		< 10	
DI-N-OCTYLPHTHALATE	UG/L		< 10	< 10	< 10			< 10		< 10	
FLUORANTHENE	UG/L		< 2	< 2	< 2			< 2		< 2	
FLUORENE	UG/L		< 2	< 2	< 2			< 2		< 2	
HEXACHLOROBENZENE	UG/L		< 10	< 10	< 10			< 10		< 10	
HEXACHLOROBUTADIENE	UG/L		< 10	< 10	< 10			< 10		< 10	
HEXACHLOROCYCLOPENTADIENE	UG/L		< 10	< 10	< 10			< 10		< 10	
HEXACHLOROETHANE	UG/L		< 5	< 5	< 5			< 5		< 5	
INDENO(1,2,3-CD)PYRENE	UG/L		< 0.3	< 0.3	< 0.3			< 0.3		< 0.3	
ISOPHORONE	UG/L		< 10	< 10	< 10			< 10		< 10	
NAPHTHALENE	UG/L		< 10	< 10	< 10			< 10		< 10	
NITROBENZENE	UG/L		< 10	< 10	< 10			< 10		< 10	
N-NITROSODI-N-PROPYLAMINE	UG/L		< 10	< 10	< 10			< 10		< 10	
N-NITROSODIPHENYLAMINE	UG/L		< 10	< 10	< 10			< 10		< 10	
N-NITROSOMETHYLETHYLAMINE	UG/L		< 10	< 10	< 10			< 10		< 10	
PENTACHLOROPHENOL	UG/L		< 10	< 10	< 10			< 10		< 10	
PHENANTHRENE	UG/L		< 5	< 5	< 5			< 5		< 5	
PHENOL	UG/L		< 10	< 10	< 10			< 10		< 10	
PYRENE	UG/L		< 2	< 2	< 2			< 2		< 2	
1,1,1-TRICHLOROETHANE	UG/L		< 5	< 5	< 5			< 5	< 5	< 5	
1,1,2,2-TETRACHLOROETHANE	UG/L		< 5	< 5	< 5			< 5	< 5	< 5	
1,1,2-TRICHLOROETHANE	UG/L		< 5	< 5	< 5			< 5	< 5	< 5	
1,1-DICHLOROETHANE	UG/L		< 5	< 5	< 5			< 5	< 5	< 5	
1,1-DICHLOROETHENE	UG/L		< 5	< 5	< 5			< 5	< 5	< 5	
1,2-DICHLOROETHANE	UG/L		< 5	< 5	< 5			< 5	< 5	< 5	
1,2-DICHLOROPROPANE	UG/L		< 5	< 5	< 5			< 5	< 5	< 5	

47

I:\WPMSN\PJT1\01793\04\004\0179304004-003.XLSX 6/22/2011

© 2011 TRC All rights reserved.

MALLARD NORTH LANDFILL- APRIL 2011
ANALYTICAL DATA SUMMARY

PARAMETER	UNITS	GP-02A 4/22/2011 11-1632-026	GP-02B 4/25/2011 11-1686-006	GP-04B 4/21/2011 11-1632-012	GP-04C 4/21/2011 11-1632-027	GP-04C 4/22/2011 11-1632-028	GP-04C 4/25/2011 11-1686-003	GP-06 4/19/2011 11-1573-005	GP-08B 4/27/2011 11-1706-009	GP-11B 4/20/2011 11-1620-001	GP-11B 4/21/2011 11-1620-008
2-BUTANONE	UG/L		< 10	< 10	< 10			< 10	< 10	< 10	
2-HEXANONE	UG/L		< 10	< 10	< 10			< 10	< 10	< 10	
4-METHYL-2-PENTANONE	UG/L		< 10	< 10	< 10			< 10	< 10	< 10	
ACETONE	UG/L		< 100	< 100	< 100			< 100	< 100	< 100	
BENZENE	UG/L		< 5	< 5	< 5			< 5	< 5	< 5	
BROMODICHLOROMETHANE	UG/L		< 1	< 1	< 1			< 1	< 1	< 1	
BROMOFORM	UG/L		< 1	< 1	< 1			< 1	< 1	< 1	
BROMOMETHANE	UG/L		< 5	< 5	< 5			< 5	< 5	< 5	
CARBON DISULFIDE	UG/L		< 5	< 5	< 5			< 5	< 5	< 5	
CARBON TETRACHLORIDE	UG/L		< 5	< 5	< 5			< 5	< 5	< 5	
CHLOROBENZENE	UG/L		< 5	< 5	< 5			< 5	< 5	< 5	
CHLORODIBROMOMETHANE	UG/L		< 1	< 1	< 1			< 1	< 1	< 1	
CHLOROETHANE	UG/L		< 10	< 10	< 10			< 10	< 10	< 10	
CHLOROFORM	UG/L		< 1	< 1	< 1			< 1	< 1	< 1	
CHLOROMETHANE	UG/L		< 10	< 10	< 10			< 10	< 10	< 10	
CIS-1,2-DICHLOROETHENE	UG/L		< 5	< 5	< 5			< 5	< 5	< 5	
CIS-1,3-DICHLOROPROPENE	UG/L		< 1	< 1	< 1			< 1	< 1	< 1	
ETHYLBENZENE	UG/L		< 5	< 5	< 5			< 5	< 5	< 5	
METHANE	UG/L		2060 NS	< 2 NS	28.7 NS			< 2 NS	5.1 NS	19.4 NS	
METHYLENE CHLORIDE	UG/L		< 5	< 5	< 5			< 5	< 5	< 5	
METHYL-TERT-BUTYL-ETHER	UG/L		< 5	< 5	< 5			< 5	< 5	< 5	
STYRENE	UG/L		< 5	< 5	< 5			< 5	< 5	< 5	
TETRACHLOROETHENE	UG/L		< 5	< 5	< 5			< 5	< 5	< 5	
TOLUENE	UG/L		< 5	< 5	< 5			< 5	< 5	< 5	
TRANS-1,2-DICHLOROETHENE	UG/L		< 5	< 5	< 5			< 5	< 5	< 5	
TRANS-1,3-DICHLOROPROPENE	UG/L		< 1	< 1	< 1			< 1	< 1	< 1	
TRICHLOROETHENE	UG/L		< 5	< 5	< 5			< 5	< 5	< 5	
VINYL ACETATE	UG/L		< 10	< 10	< 10			< 10	< 10	< 10	
VINYL CHLORIDE	UG/L		< 2	< 2	< 2			< 2	< 2	< 2	
XYLENE, TOTAL	UG/L		< 5	< 5	< 5			< 5	< 5	< 5	

© 2011 TRC All rights reserved.

MALLARD NORTH LANDFILL- APRIL 2011
ANALYTICAL DATA SUMMARY

PARAMETER	UNITS	GP-16A 4/21/2011 11-1632-015	GP-16A 4/22/2011 11-1632-016	GP-16B 4/18/2011 11-1573-001	GP-16B 4/27/2011 11-1706-007	GP-19 4/25/2011 11-1686-008	GP-20 4/19/2011 11-1593-002	GP-21A 4/21/2011 11-1632-019	GP-21A 4/22/2011 11-1632-020	GP-21B 4/18/2011 11-1573-003	GP-21B 4/27/2011 11-1706-008
BOD	MG/L		1		10	5	3		3	2	
CHLORIDE	MG/L		256		256	15	11		203	5	
CHLORIDE, DISSOLVED	MG/L	250		165		15	12	218		5	
COD	MG/L		22		95	16	14		25	< 10	
CYANIDE, TOTAL	MG/L		< 0.005		0.005	< 0.005	< 0.005		< 0.005		< 0.005
NITROGEN, AMMONIA	MG/L		0.12		12.4	0.58	0.16		2.57	0.14	
NITROGEN, NITRATE + NITRITE	MG/L		< 0.1		< 0.1	< 0.1	0.12		< 0.1	0.94	
NITROGEN, NITRATE, DISSOLVED	MG/L	< 0.1		5.14		0.14	< 0.1	< 0.1		< 0.1	
NITROGEN, NITRITE, DISSOLVED	MG/L	< 0.01		0.6		< 0.01	< 0.01	< 0.01		< 0.01	
SOLIDS, TOTAL DISSOLVED	MG/L		1050	1350	3820	585	1450		1490	516	
SULFATE, DISSOLVED	MG/L	77		55		199	800	537		48	
ARSENIC, DISSOLVED	UG/L	< 2		< 2		< 2	< 2	< 2		< 2	
ARSENIC, TOTAL	UG/L	8		< 2		7	< 2	49		< 2	
BARIUM, DISSOLVED	UG/L	80		313		34	19	42		110	
BARIUM, TOTAL	UG/L	94		353		87	16	207		112	
BORON, DISSOLVED	UG/L	220		1340		100	90	100		190	
CADMIUM, DISSOLVED	UG/L	< 1		< 1		< 1	< 1	< 1		< 1	
CADMIUM, TOTAL	UG/L	< 1		< 1		< 1	< 1	2		< 1	
CHROMIUM, DISSOLVED	UG/L	< 1		< 1		< 1	< 1	< 1		< 1	
CHROMIUM, TOTAL	UG/L	3		3		10	< 1	33		< 1	
LEAD, DISSOLVED	UG/L	< 2		< 2		< 2	< 2	< 2		< 2	
LEAD, TOTAL	UG/L	< 2		< 2		27	< 2	83		< 2	
MAGNESIUM, DISSOLVED	UG/L	92700		129000		49000	115000	140000		52900	
MERCURY, DISSOLVED	UG/L	< 0.5		< 0.5		< 0.5	< 0.5	< 0.5		< 0.5	
MERCURY, TOTAL	UG/L	< 0.5		< 0.5		< 0.5	< 0.5	< 0.5		< 0.5	
SELENIUM, DISSOLVED	UG/L	< 2		< 2		< 2	< 2	< 2		< 2	
SELENIUM, TOTAL	UG/L	< 2		< 2		< 2	< 2	< 2		< 2	
SILVER, DISSOLVED	UG/L	< 1		< 1		< 1	< 1	< 1		< 1	
SILVER, TOTAL	UG/L	< 1		< 1		< 1	< 1	< 1		< 1	
ZINC, DISSOLVED	UG/L	7		14		7	< 5	5		< 5	
1,2,4-TRICHLOROBENZENE	UG/L	< 10		< 10		< 10	< 10	< 10		< 10	
1,2-DICHLOROBENZENE	UG/L	< 10		< 10		< 10	< 10	< 10		< 10	
1,3-DICHLOROBENZENE	UG/L	< 10		< 10		< 10	< 10	< 10		< 10	
1,4-DICHLOROBENZENE	UG/L	< 10		< 10		< 10	< 10	< 10		< 10	

44

© 2011 TRC All rights reserved.

MALLARD NORTH LANDFILL- APRIL 2011
ANALYTICAL DATA SUMMARY

PARAMETER	UNITS	GP-16A 4/21/2011 11-1632-015	GP-16A 4/22/2011 11-1632-016	GP-16B 4/18/2011 11-1573-001	GP-16B 4/27/2011 11-1706-007	GP-19 4/25/2011 11-1686-008	GP-20 4/19/2011 11-1593-002	GP-21A 4/21/2011 11-1632-019	GP-21A 4/22/2011 11-1632-020	GP-21B 4/18/2011 11-1573-003	GP-21B 4/27/2011 11-1706-008
2,2'-OXYBIS(1-CHLOROPROPANE)	UG/L	< 10		< 10		< 10	< 10	< 10		< 10	
2,4,5-TRICHLOROPHENOL	UG/L	< 10		< 10		< 10	< 10	< 10		< 10	
2,4,6-TRICHLOROPHENOL	UG/L	< 10		< 10		< 10	< 10	< 10		< 10	
2,4-DICHLOROPHENOL	UG/L	< 10		< 10		< 10	< 10	< 10		< 10	
2,4-DIMETHYLPHENOL	UG/L	< 10		< 10		< 10	< 10	< 10		< 10	
2,4-DINITROPHENOL	UG/L	< 10		< 10		< 10	< 10	< 10		< 10	
2,4-DINITROTOLUENE	UG/L	< 10		< 10		< 10	< 10	< 10		< 10	
2,6-DINITROTOLUENE	UG/L	< 10		< 10		< 10	< 10	< 10		< 10	
2-CHLORONAPHTHALENE	UG/L	< 10		< 10		< 10	< 10	< 10		< 10	
2-CHLOROPHENOL	UG/L	< 10		< 10		< 10	< 10	< 10		< 10	
2-METHYLNAPHTHALENE	UG/L	< 10		< 10		< 10	< 10	< 10		< 10	
2-METHYLPHENOL	UG/L	< 10		< 10		< 10	< 10	< 10		< 10	
2-NITROANILINE	UG/L	< 50		< 50		< 50	< 50	< 50		< 50	
2-NITROPHENOL	UG/L	< 10		< 10		< 10	< 10	< 10		< 10	
3 & 4-METHYLPHENOL	UG/L	< 10		< 10		< 10	< 10	< 10		< 10	
3,3'-DICHLOROBENZIDINE	UG/L	< 20		< 20		< 20	< 20	< 20		< 20	
3-NITROANILINE	UG/L	< 50		< 50		< 50	< 50	< 50		< 50	
4,6-DINITRO-2-METHYLPHENOL	UG/L	< 50		< 50		< 50	< 50	< 50		< 50	
4-BROMOPHENYL-PHENYLETHER	UG/L	< 10		< 10		< 10	< 10	< 10		< 10	
4-CHLORO-3-METHYLPHENOL	UG/L	< 20		< 20		< 20	< 20	< 20		< 20	
4-CHLOROANILINE	UG/L	< 10		< 10		< 10	< 10	< 10		< 10	
4-CHLOROPHENYL-PHENYLETHER	UG/L	< 10		< 10		< 10	< 10	< 10		< 10	
4-NITROANILINE	UG/L	< 20		< 20		< 20	< 20	< 20		< 20	
4-NITROPHENOL	UG/L	< 50		< 50		< 50	< 50	< 50		< 50	
ACENAPHTHENE	UG/L	< 10		< 10		< 10	< 10	< 10		< 10	
ACENAPHTHYLENE	UG/L	< 10		< 10		< 10	< 10	< 10		< 10	
ANTHRACENE	UG/L	< 5		< 5		< 5	< 5	< 5		< 5	
BENZIDINE	UG/L	< 10		< 10		< 10	< 10	< 10		< 10	
BENZO(A)ANTHRACENE	UG/L	< 0.13		< 0.13		< 0.13	< 0.13	< 0.13		< 0.13	
BENZO(A)PYRENE	UG/L	< 0.2		< 0.2		< 0.2	< 0.2	< 0.2		< 0.2	
BENZO(B)FLUORANTHENE	UG/L	< 0.18		< 0.18		< 0.18	< 0.18	< 0.18		< 0.18	
BENZO(G,H,I)PERYLENE	UG/L	< 0.4		< 0.4		< 0.4	< 0.4	< 0.4		< 0.4	
BENZO(K)FLUORANTHENE	UG/L	< 0.17		< 0.17		< 0.17	< 0.17	< 0.17		< 0.17	
BENZOIC ACID	UG/L	< 50		< 50		< 50	< 50	< 50		< 50	
BENZYL ALCOHOL	UG/L	< 20		< 20		< 20	< 20	< 20		< 20	
BIS(2-CHLOROETHOXY)METHANE	UG/L	< 10		< 10		< 10	< 10	< 10		< 10	

50

© 2011 TRC All rights reserved.

MALLARD NORTH LANDFILL- APRIL 2011
ANALYTICAL DATA SUMMARY

PARAMETER	UNITS	GP-16A 4/21/2011 11-1632-015	GP-16A 4/22/2011 11-1632-016	GP-16B 4/18/2011 11-1573-001	GP-16B 4/27/2011 11-1706-007	GP-19 4/25/2011 11-1686-008	GP-20 4/19/2011 11-1593-002	GP-21A 4/21/2011 11-1632-019	GP-21A 4/22/2011 11-1632-020	GP-21B 4/18/2011 11-1573-003	GP-21B 4/27/2011 11-1706-008
BIS(2-CHLOROETHYL)ETHER	UG/L	< 10		< 10		< 10	< 10	< 10		< 10	
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	< 5		< 5		< 5	< 5	< 5		< 5	
BUTYLBENZYLPHTHALATE	UG/L	< 10		< 10		< 10	< 10	< 10		< 10	
CARBAZOLE	UG/L	< 10		< 10		< 10	< 10	< 10		< 10	
CHRYSENE	UG/L	< 1.5		< 1.5		< 1.5	< 1.5	< 1.5		< 1.5	
DIBENZ(A,H)ANTHRACENE	UG/L	< 0.3		< 0.3		< 0.3	< 0.3	< 0.3		< 0.3	
DIBENZOFURAN	UG/L	< 10		< 10		< 10	< 10	< 10		< 10	
DIETHYLPHTHALATE	UG/L	< 10		< 10		< 10	< 10	< 10		< 10	
DIMETHYLPHTHALATE	UG/L	< 10		< 10		< 10	< 10	< 10		< 10	
DI-N-BUTYLPHTHALATE	UG/L	< 10		< 10		< 10	< 10	< 10		< 10	
DI-N-OCTYLPHTHALATE	UG/L	< 10		< 10		< 10	< 10	< 10		< 10	
FLUORANTHENE	UG/L	< 2		< 2		< 2	< 2	< 2		< 2	
FLUORENE	UG/L	< 2		< 2		< 2	< 2	< 2		< 2	
HEXACHLOROBENZENE	UG/L	< 10		< 10		< 10	< 10	< 10		< 10	
HEXACHLOROBUTADIENE	UG/L	< 10		< 10		< 10	< 10	< 10		< 10	
HEXACHLOROCYCLOPENTADIENE	UG/L	< 10		< 10		< 10	< 10	< 10		< 10	
HEXACHLOROETHANE	UG/L	< 5		< 5		< 5	< 5	< 5		< 5	
INDENO(1,2,3-CD)PYRENE	UG/L	< 0.3		< 0.3		< 0.3	< 0.3	< 0.3		< 0.3	
ISOPHORONE	UG/L	< 10		< 10		< 10	< 10	< 10		< 10	
NAPHTHALENE	UG/L	< 10		< 10		< 10	< 10	< 10		< 10	
NITROBENZENE	UG/L	< 10		< 10		< 10	< 10	< 10		< 10	
N-NITROSODI-N-PROPYLAMINE	UG/L	< 10		< 10		< 10	< 10	< 10		< 10	
N-NITROSODIPHENYLAMINE	UG/L	< 10		< 10		< 10	< 10	< 10		< 10	
N-NITROSOMETHYLETHYLAMINE	UG/L	< 10		< 10		< 10	< 10	< 10		< 10	
PENTACHLOROPHENOL	UG/L	< 10		< 10		< 10	< 10	< 10		< 10	
PHENANTHRENE	UG/L	< 5		< 5		< 5	< 5	< 5		< 5	
PHENOL	UG/L	< 10		< 10		< 10	< 10	< 10		< 10	
PYRENE	UG/L	< 2		< 2		< 2	< 2	< 2		< 2	
1,1,1-TRICHLOROETHANE	UG/L	< 5		< 5		< 5	< 5	< 5		< 5	
1,1,2,2-TETRACHLOROETHANE	UG/L	< 5		< 5		< 5	< 5	< 5		< 5	
1,1,2-TRICHLOROETHANE	UG/L	< 5		< 5		< 5	< 5	< 5		< 5	
1,1-DICHLOROETHANE	UG/L	< 5		< 5		< 5	< 5	< 5		< 5	
1,1-DICHLOROETHENE	UG/L	< 5		< 5		< 5	< 5	< 5		< 5	
1,2-DICHLOROETHANE	UG/L	< 5		< 5		< 5	< 5	< 5		< 5	
1,2-DICHLOROPROPANE	UG/L	< 5		< 5		< 5	< 5	< 5		< 5	

5

© 2011 TRC All rights reserved.

MALLARD NORTH LANDFILL- APRIL 2011
ANALYTICAL DATA SUMMARY

PARAMETER	UNITS	GP-16A 4/21/2011 11-1632-015	GP-16A 4/22/2011 11-1632-016	GP-16B 4/18/2011 11-1573-001	GP-16B 4/27/2011 11-1706-007	GP-19 4/25/2011 11-1686-008	GP-20 4/19/2011 11-1593-002	GP-21A 4/21/2011 11-1632-019	GP-21A 4/22/2011 11-1632-020	GP-21B 4/18/2011 11-1573-003	GP-21B 4/27/2011 11-1706-008
2-BUTANONE	UG/L	< 10		< 10		< 10	< 10	< 10		< 10	
2-HEXANONE	UG/L	< 10		< 10		< 10	< 10	< 10		< 10	
4-METHYL-2-PENTANONE	UG/L	< 10		< 10		< 10	< 10	< 10		< 10	
ACETONE	UG/L	< 100		< 100		< 100	< 100	< 100		< 100	
BENZENE	UG/L	< 5		< 5		< 5	< 5	< 5		< 5	
BROMODICHLOROMETHANE	UG/L	< 1		< 1		< 1	< 1	< 1		< 1	
BROMOFORM	UG/L	< 1		< 1		< 1	< 1	< 1		< 1	
BROMOMETHANE	UG/L	< 5		< 5		< 5	< 5	< 5		< 5	
CARBON DISULFIDE	UG/L	< 5		< 5		< 5	< 5	< 5		< 5	
CARBON TETRACHLORIDE	UG/L	< 5		< 5		< 5	< 5	< 5		< 5	
CHLOROBENZENE	UG/L	< 5		< 5		< 5	< 5	< 5		< 5	
CHLORODIBROMOMETHANE	UG/L	< 1		< 1		< 1	< 1	< 1		< 1	
CHLOROETHANE	UG/L	< 10		< 10		< 10	< 10	< 10		< 10	
CHLOROFORM	UG/L	< 1		< 1		< 1	< 1	< 1		< 1	
CHLOROMETHANE	UG/L	< 10		< 10		< 10	< 10	< 10		< 10	
CIS-1,2-DICHLOROETHENE	UG/L	< 5		< 5		< 5	< 5	< 5		< 5	
CIS-1,3-DICHLOROPROPENE	UG/L	< 1		< 1		< 1	< 1	< 1		< 1	
ETHYLBENZENE	UG/L	< 5		< 5		< 5	< 5	< 5		< 5	
METHANE	UG/L	489 NS		45 NS		675 NS	9 NS	11.2 NS		3.3 NS	
METHYLENE CHLORIDE	UG/L	< 5		< 5		< 5	< 5	< 5		< 5	
METHYL-TERT-BUTYL-ETHER	UG/L	< 5		< 5		< 5	< 5	< 5		< 5	
STYRENE	UG/L	< 5		< 5		< 5	< 5	< 5		< 5	
TETRACHLOROETHENE	UG/L	< 5		< 5		< 5	< 5	< 5		< 5	
TOLUENE	UG/L	< 5		< 5		< 5	< 5	< 5		< 5	
TRANS-1,2-DICHLOROETHENE	UG/L	< 5		< 5		< 5	< 5	< 5		< 5	
TRANS-1,3-DICHLOROPROPENE	UG/L	< 1		< 1		< 1	< 1	< 1		< 1	
TRICHLOROETHENE	UG/L	< 5		< 5		< 5	< 5	< 5		< 5	
VINYL ACETATE	UG/L	< 10		< 10		< 10	< 10	< 10		< 10	
VINYL CHLORIDE	UG/L	< 2		< 2		< 2	< 2	< 2		< 2	
XYLENE, TOTAL	UG/L	< 5		< 5		< 5	< 5	< 5		< 5	

© 2011 TRC All rights reserved.

MALLARD NORTH LANDFILL- APRIL 2011
ANALYTICAL DATA SUMMARY

PARAMETER	UNITS	GP-22A 4/26/2011 11-1686-012	GP-22B 4/26/2011 11-1706-012	GP-23A 4/21/2011 11-1632-023	GP-23A 4/22/2011 11-1632-024	GP-23B 4/21/2011 11-1632-013	GP-23B 4/22/2011 11-1632-014	GP-24A 4/27/2011 11-1706-003	GP-24B 4/21/2011 11-1632-011	GP-25A 4/26/2011 11-1686-010	GP-25B 4/26/2011 11-1686-017
BOD	MG/L	2	3		6		2	2	3	1	1
CHLORIDE	MG/L	6	6		336		221	600	63	< 5	8
CHLORIDE, DISSOLVED	MG/L	5	6	253		202		620	60	5	8
COD	MG/L	15	< 10	16		10		31	22	14	< 10
CYANIDE, TOTAL	MG/L	< 0.005	< 0.005		< 0.005		< 0.005		< 0.005	< 0.005	< 0.005
NITROGEN, AMMONIA	MG/L	< 0.1	0.96	2.04		2.85		5.98	0.11	< 0.1	< 0.1
NITROGEN, NITRATE + NITRITE	MG/L	< 0.1	< 0.1	0.95		< 0.1		0.27	< 0.1	< 0.1	0.24
NITROGEN, NITRATE, DISSOLVED	MG/L	< 0.1	< 0.1	0.7		1.09		0.24	0.27	0.32	< 0.1
NITROGEN, NITRITE, DISSOLVED	MG/L	< 0.01	< 0.01	0.02		< 0.01		< 0.01	0.02	< 0.01	< 0.01
SOLIDS, TOTAL DISSOLVED	MG/L	837	1080		2570		1610	3660	916	984	383
SULFATE, DISSOLVED	MG/L	299	395	610		534		1170	321	314	82
ARSENIC, DISSOLVED	UG/L	< 2	20	< 2		11		< 2	< 2	< 2	< 2
ARSENIC, TOTAL	UG/L	< 2	21	< 2		10		< 2	< 2	< 2	7
BARIUM, DISSOLVED	UG/L	28	41	35		57		16	63	10	87
BARIUM, TOTAL	UG/L	27	36	41		169		18	65	6	63
BORON, DISSOLVED	UG/L	50	340	370		190		210	230	50	50
CADMIUM, DISSOLVED	UG/L	< 1	< 1	< 1		< 1		< 1	< 1	< 1	< 1
CADMIUM, TOTAL	UG/L	< 1	< 1	25		< 1		< 1	< 1	< 1	< 1
CHROMIUM, DISSOLVED	UG/L	< 1	< 1	< 1		< 1		< 1	< 1	< 1	< 1
CHROMIUM, TOTAL	UG/L	< 1	< 1	3		21		< 1	< 1	< 1	< 1
LEAD, DISSOLVED	UG/L	< 2	< 2	< 2		< 2		< 2	< 2	< 2	< 2
LEAD, TOTAL	UG/L	< 2	< 2	< 2		10		< 2	< 2	< 2	< 2
MAGNESIUM, DISSOLVED	UG/L	70600	100000	118000		129000		226000	57400	82200	42000
MERCURY, DISSOLVED	UG/L	< 0.5	< 0.5	< 0.5		< 0.5		< 0.5	< 0.5	< 0.5	< 0.5
MERCURY, TOTAL	UG/L	< 0.5	< 0.5	< 0.5		< 0.5		< 0.5	< 0.5	< 0.5	< 0.5
SELENIUM, DISSOLVED	UG/L	< 2	< 2	< 2		< 2		< 2	< 2	< 2	< 2
SELENIUM, TOTAL	UG/L	< 2	< 2	< 2		< 2		< 2	< 2	< 2	< 2
SILVER, DISSOLVED	UG/L	< 1	< 1	< 1		< 1		< 1	< 1	< 1	< 1
SILVER, TOTAL	UG/L	< 1	< 1	< 1		< 1		< 1	< 1	< 1	< 1
ZINC, DISSOLVED	UG/L	6	< 5	< 5		< 5		6	< 5	7	< 5
1,2,4-TRICHLOROBENZENE	UG/L	< 10	< 10	< 10		< 10		< 10	< 10	< 10	< 10
1,2-DICHLOROBENZENE	UG/L	< 10	< 10	< 10		< 10		< 10	< 10	< 10	< 10
1,3-DICHLOROBENZENE	UG/L	< 10	< 10	< 10		< 10		< 10	< 10	< 10	< 10
1,4-DICHLOROBENZENE	UG/L	< 10	< 10	< 10		< 10		< 10	< 10	< 10	< 10

53

I:\WPMSN\PJT1\01793\04\004\0179304004-003.XLSX 6/22/2011

© 2011 TRC All rights reserved.

MALLARD NORTH LANDFILL- APRIL 2011
ANALYTICAL DATA SUMMARY

PARAMETER	UNITS	GP-22A 4/26/2011 11-1686-012	GP-22B 4/26/2011 11-1706-012	GP-23A 4/21/2011 11-1632-023	GP-23A 4/22/2011 11-1632-024	GP-23B 4/21/2011 11-1632-013	GP-23B 4/22/2011 11-1632-014	GP-24A 4/27/2011 11-1706-003	GP-24B 4/21/2011 11-1632-011	GP-25A 4/26/2011 11-1686-010	GP-25B 4/26/2011 11-1686-017
2,2'-OXYBIS(1-CHLOROPROPANE)	UG/L	< 10	< 10	< 10		< 10		< 10	< 10	< 10	< 10
2,4,5-TRICHLOROPHENOL	UG/L	< 10	< 10	< 10		< 10		< 10	< 10	< 10	< 10
2,4,6-TRICHLOROPHENOL	UG/L	< 10	< 10	< 10		< 10		< 10	< 10	< 10	< 10
2,4-DICHLOROPHENOL	UG/L	< 10	< 10	< 10		< 10		< 10	< 10	< 10	< 10
2,4-DIMETHYLPHENOL	UG/L	< 10	< 10	< 10		< 10		< 10	< 10	< 10	< 10
2,4-DINITROPHENOL	UG/L	< 10	< 10	< 10		< 10		< 10	< 10	< 10	< 10
2,4-DINITROTOLUENE	UG/L	< 10	< 10	< 10		< 10		< 10	< 10	< 10	< 10
2,6-DINITROTOLUENE	UG/L	< 10	< 10	< 10		< 10		< 10	< 10	< 10	< 10
2-CHLORONAPHTHALENE	UG/L	< 10	< 10	< 10		< 10		< 10	< 10	< 10	< 10
2-CHLOROPHENOL	UG/L	< 10	< 10	< 10		< 10		< 10	< 10	< 10	< 10
2-METHYLNAPHTHALENE	UG/L	< 10	< 10	< 10		< 10		< 10	< 10	< 10	< 10
2-METHYLPHENOL	UG/L	< 10	< 10	< 10		< 10		< 10	< 10	< 10	< 10
2-NITROANILINE	UG/L	< 50	< 50	< 50		< 50		< 50	< 50	< 50	< 50
2-NITROPHENOL	UG/L	< 10	< 10	< 10		< 10		< 10	< 10	< 10	< 10
3 & 4-METHYLPHENOL	UG/L	< 10	< 10	< 10		< 10		< 10	< 10	< 10	< 10
3,3'-DICHLOROBENZIDINE	UG/L	< 20	< 20	< 20		< 20		< 20	< 20	< 20	< 20
3-NITROANILINE	UG/L	< 50	< 50	< 50		< 50		< 50	< 50	< 50	< 50
4,6-DINITRO-2-METHYLPHENOL	UG/L	< 50	< 50	< 50		< 50		< 50	< 50	< 50	< 50
4-BROMOPHENYL-PHENYLETHER	UG/L	< 10	< 10	< 10		< 10		< 10	< 10	< 10	< 10
4-CHLORO-3-METHYLPHENOL	UG/L	< 20	< 20	< 20		< 20		< 20	< 20	< 20	< 20
4-CHLOROANILINE	UG/L	< 10	< 10	< 10		< 10		< 10	< 10	< 10	< 10
4-CHLOROPHENYL-PHENYLETHER	UG/L	< 10	< 10	< 10		< 10		< 10	< 10	< 10	< 10
4-NITROANILINE	UG/L	< 20	< 20	< 20		< 20		< 20	< 20	< 20	< 20
4-NITROPHENOL	UG/L	< 50	< 50	< 50		< 50		< 50	< 50	< 50	< 50
ACENAPHTHENE	UG/L	< 10	< 10	< 10		< 10		< 10	< 10	< 10	< 10
ACENAPHTHYLENE	UG/L	< 10	< 10	< 10		< 10		< 10	< 10	< 10	< 10
ANTHRACENE	UG/L	< 5	< 5	< 5		< 5		< 5	< 5	< 5	< 5
BENZIDINE	UG/L	< 10	< 10	< 10		< 10		< 10	< 10	< 10	< 10
BENZO(A)ANTHRACENE	UG/L	< 0.13	< 0.13	< 0.13		< 0.13		< 0.13	< 0.13	< 0.13	< 0.13
BENZO(A)PYRENE	UG/L	< 0.2	< 0.2	< 0.2		< 0.2		< 0.2	< 0.2	< 0.2	< 0.2
BENZO(B)FLUORANTHENE	UG/L	< 0.18	< 0.18	< 0.18		< 0.18		< 0.18	< 0.18	< 0.18	< 0.18
BENZO(G,H,I)PERYLENE	UG/L	< 0.4	< 0.4	< 0.4		< 0.4		< 0.4	< 0.4	< 0.4	< 0.4
BENZO(K)FLUORANTHENE	UG/L	< 0.17	< 0.17	< 0.17		< 0.17		< 0.17	< 0.17	< 0.17	< 0.17
BENZOIC ACID	UG/L	< 50	< 50	< 50		< 50		< 50	< 50	< 50	< 50
BENZYL ALCOHOL	UG/L	< 20	< 20	< 20		< 20		< 20	< 20	< 20	< 20
BIS(2-CHLOROETHOXY)METHANE	UG/L	< 10	< 10	< 10		< 10		< 10	< 10	< 10	< 10

© 2011 TRC All rights reserved.

MALLARD NORTH LANDFILL- APRIL 2011
ANALYTICAL DATA SUMMARY

PARAMETER	UNITS	GP-22A 4/26/2011 11-1686-012	GP-22B 4/26/2011 11-1706-012	GP-23A 4/21/2011 11-1632-023	GP-23A 4/22/2011 11-1632-024	GP-23B 4/21/2011 11-1632-013	GP-23B 4/22/2011 11-1632-014	GP-24A 4/27/2011 11-1706-003	GP-24B 4/21/2011 11-1632-011	GP-25A 4/26/2011 11-1686-010	GP-25B 4/26/2011 11-1686-017
BIS(2-CHLOROETHYL)ETHER	UG/L	< 10	< 10	< 10		< 10		< 10	< 10	< 10	< 10
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	< 5	< 5	< 5		< 5		< 5	< 5	< 5	< 5
BUTYLBENZYLPHTHALATE	UG/L	< 10	< 10	< 10		< 10		< 10	< 10	< 10	< 10
CARBAZOLE	UG/L	< 10	< 10	< 10		< 10		< 10	< 10	< 10	< 10
CHRYSENE	UG/L	< 1.5	< 1.5	< 1.5		< 1.5		< 1.5	< 1.5	< 1.5	< 1.5
DIBENZ(A,H)ANTHRACENE	UG/L	< 0.3	< 0.3	< 0.3		< 0.3		< 0.3	< 0.3	< 0.3	< 0.3
DIBENZOFURAN	UG/L	< 10	< 10	< 10		< 10		< 10	< 10	< 10	< 10
DIETHYLPHTHALATE	UG/L	< 10	< 10	< 10		< 10		< 10	< 10	< 10	< 10
DIMETHYLPHTHALATE	UG/L	< 10	< 10	< 10		< 10		< 10	< 10	< 10	< 10
DI-N-BUTYLPHTHALATE	UG/L	< 10	< 10	< 10		< 10		< 10	< 10	< 10	< 10
DI-N-OCTYLPHTHALATE	UG/L	< 10	< 10	< 10		< 10		< 10	< 10	< 10	< 10
FLUORANTHENE	UG/L	< 2	< 2	< 2		< 2		< 2	< 2	< 2	< 2
FLUORENE	UG/L	< 2	< 2	< 2		< 2		< 2	< 2	< 2	< 2
HEXACHLOROBENZENE	UG/L	< 10	< 10	< 10		< 10		< 10	< 10	< 10	< 10
HEXACHLOROBUTADIENE	UG/L	< 10	< 10	< 10		< 10		< 10	< 10	< 10	< 10
HEXACHLOROCYCLOPENTADIENE	UG/L	< 10	< 10	< 10		< 10		< 10	< 10	< 10	< 10
HEXACHLOROETHANE	UG/L	< 5	< 5	< 5		< 5		< 5	< 5	< 5	< 5
INDENO(1,2,3-CD)PYRENE	UG/L	< 0.3	< 0.3	< 0.3		< 0.3		< 0.3	< 0.3	< 0.3	< 0.3
ISOPHORONE	UG/L	< 10	< 10	< 10		< 10		< 10	< 10	< 10	< 10
NAPHTHALENE	UG/L	< 10	< 10	< 10		< 10		< 10	< 10	< 10	< 10
NITROBENZENE	UG/L	< 10	< 10	< 10		< 10		< 10	< 10	< 10	< 10
N-NITROSODI-N-PROPYLAMINE	UG/L	< 10	< 10	< 10		< 10		< 10	< 10	< 10	< 10
N-NITROSODIPHENYLAMINE	UG/L	< 10	< 10	< 10		< 10		< 10	< 10	< 10	< 10
N-NITROSOMETHYLETHYLAMINE	UG/L	< 10	< 10	< 10		< 10		< 10	< 10	< 10	< 10
PENTACHLOROPHENOL	UG/L	< 10	< 10	< 10		< 10		< 10	< 10	< 10	< 10
PHENANTHRENE	UG/L	< 5	< 5	< 5		< 5		< 5	< 5	< 5	< 5
PHENOL	UG/L	< 10	< 10	< 10		< 10		< 10	< 10	< 10	< 10
PYRENE	UG/L	< 2	< 2	< 2		< 2		< 2	< 2	< 2	< 2
1,1,1-TRICHLOROETHANE	UG/L	< 5	< 5	< 5		< 5		< 5	< 5	< 5	< 5
1,1,2,2-TETRACHLOROETHANE	UG/L	< 5	< 5	< 5		< 5		< 5	< 5	< 5	< 5
1,1,2-TRICHLOROETHANE	UG/L	< 5	< 5	< 5		< 5		< 5	< 5	< 5	< 5
1,1-DICHLOROETHANE	UG/L	< 5	< 5	< 5		< 5		< 5	< 5	< 5	< 5
1,1-DICHLOROETHENE	UG/L	< 5	< 5	< 5		< 5		< 5	< 5	< 5	< 5
1,2-DICHLOROETHANE	UG/L	< 5	< 5	< 5		< 5		< 5	< 5	< 5	< 5
1,2-DICHLOROPROPANE	UG/L	< 5	< 5	< 5		< 5		< 5	< 5	< 5	< 5

© 2011 TRC All rights reserved.

MALLARD NORTH LANDFILL- APRIL 2011
ANALYTICAL DATA SUMMARY

PARAMETER	UNITS	GP-22A 4/26/2011 11-1686-012	GP-22B 4/26/2011 11-1706-012	GP-23A 4/21/2011 11-1632-023	GP-23A 4/22/2011 11-1632-024	GP-23B 4/21/2011 11-1632-013	GP-23B 4/22/2011 11-1632-014	GP-24A 4/27/2011 11-1706-003	GP-24B 4/21/2011 11-1632-011	GP-25A 4/26/2011 11-1686-010	GP-25B 4/26/2011 11-1686-017
2-BUTANONE	UG/L	< 10	< 10	< 10		< 10		< 10	< 10	< 10	< 10
2-HEXANONE	UG/L	< 10	< 10	< 10		< 10		< 10	< 10	< 10	< 10
4-METHYL-2-PENTANONE	UG/L	< 10	< 10	< 10		< 10		< 10	< 10	< 10	< 10
ACETONE	UG/L	< 100	< 100	< 100		< 100		< 100	< 100	< 100	< 100
BENZENE	UG/L	< 5	< 5	< 5		< 5		< 5	< 5	< 5	< 5
BROMODICHLOROMETHANE	UG/L	< 1	< 1	< 1		< 1		< 1	< 1	< 1	< 1
BROMOFORM	UG/L	< 1	< 1	< 1		< 1		< 1	< 1	< 1	< 1
BROMOMETHANE	UG/L	< 5	< 5	< 5		< 5		< 5	< 5	< 5	< 5
CARBON DISULFIDE	UG/L	< 5	< 5	< 5		< 5		< 5	< 5	< 5	< 5
CARBON TETRACHLORIDE	UG/L	< 5	< 5	< 5		< 5		< 5	< 5	< 5	< 5
CHLOROBENZENE	UG/L	< 5	< 5	< 5		< 5		< 5	< 5	< 5	< 5
CHLORODIBROMOMETHANE	UG/L	< 1	< 1	< 1		< 1		< 1	< 1	< 1	< 1
CHLOROETHANE	UG/L	< 10	< 10	< 10		< 10		< 10	< 10	< 10	< 10
CHLOROFORM	UG/L	< 1	< 1	< 1		< 1		< 1	< 1	< 1	< 1
CHLOROMETHANE	UG/L	< 10	< 10	< 10		< 10		< 10	< 10	< 10	< 10
CIS-1,2-DICHLOROETHENE	UG/L	< 5	< 5	< 5		< 5		< 5	< 5	< 5	< 5
CIS-1,3-DICHLOROPROPENE	UG/L	< 1	< 1	< 1		< 1		< 1	< 1	< 1	< 1
ETHYLBENZENE	UG/L	< 5	< 5	< 5		< 5		< 5	< 5	< 5	< 5
METHANE	UG/L	< 2 NS	352 NS	651 NS		476 NS		520 NS	494 NS	113 NS	962 NS
METHYLENE CHLORIDE	UG/L	< 5	< 5	< 5		< 5		< 5	< 5	< 5	< 5
METHYL-TERT-BUTYL-ETHER	UG/L	< 5	< 5	< 5		< 5		< 5	< 5	< 5	< 5
STYRENE	UG/L	< 5	< 5	< 5		< 5		< 5	< 5	< 5	< 5
TETRACHLOROETHENE	UG/L	< 5	< 5	< 5		< 5		< 5	< 5	< 5	< 5
TOLUENE	UG/L	< 5	< 5	< 5		< 5		< 5	< 5	< 5	< 5
TRANS-1,2-DICHLOROETHENE	UG/L	< 5	< 5	< 5		< 5		< 5	< 5	< 5	< 5
TRANS-1,3-DICHLOROPROPENE	UG/L	< 1	< 1	< 1		< 1		< 1	< 1	< 1	< 1
TRICHLOROETHENE	UG/L	< 5	< 5	< 5		< 5		< 5	< 5	< 5	< 5
VINYL ACETATE	UG/L	< 10	< 10	< 10		< 10		< 10	< 10	< 10	< 10
VINYL CHLORIDE	UG/L	< 2	< 2	< 2		< 2		< 2	< 2	< 2	< 2
XYLENE, TOTAL	UG/L	< 5	< 5	< 5		< 5		< 5	< 5	< 5	< 5

© 2011 TRC All rights reserved.

MALLARD NORTH LANDFILL- APRIL 2011
ANALYTICAL DATA SUMMARY

PARAMETER	UNITS	GP-27A 4/26/2011 11-1686-018	GP-27A 4/27/2011 11-1706-006	GP-27B 4/26/2011 11-1686-011	GP-29A 4/21/2011 11-1632-017	GP-29A 4/22/2011 11-1632-018	GP-29A 4/25/2011 11-1686-004	GP-29B 4/18/2011 11-1573-002	GP-30B 4/21/2011 11-1632-021	GP-30B 4/22/2011 11-1632-022	GP-30B 4/25/2011 11-1686-005
BOD	MG/L			1		2		2		40	
CHLORIDE	MG/L			7		228		6		1300	
CHLORIDE, DISSOLVED	MG/L	7		7	231			7	1360		
COD	MG/L			< 10		22		< 10		1020	
CYANIDE, TOTAL	MG/L			< 0.005			< 0.005	< 0.005			< 0.005
NITROGEN, AMMONIA	MG/L			0.5		2.14		0.44		2.83	
NITROGEN, NITRATE + NITRITE	MG/L			< 0.1		7.71		0.44		< 0.1	
NITROGEN, NITRATE, DISSOLVED	MG/L	0.14		< 0.1	3.45			0.42	< 0.1		
NITROGEN, NITRITE, DISSOLVED	MG/L			< 0.01	< 0.01			< 0.01	< 0.01		
SOLIDS, TOTAL DISSOLVED	MG/L			562		1560		1490		3270	
SULFATE, DISSOLVED	MG/L	289		161	446			840	127		
ARSENIC, DISSOLVED	UG/L	< 2		< 2	< 2			< 2	42		
ARSENIC, TOTAL	UG/L			7		< 2		< 2		30	
BARIUM, DISSOLVED	UG/L	5		31	151			14	498		
BARIUM, TOTAL	UG/L			50		151		15		688	
BORON, DISSOLVED	UG/L	30		70	280			580	130		
CADMIUM, DISSOLVED	UG/L	< 1		< 1	6			< 1	< 1		
CADMIUM, TOTAL	UG/L			< 1		< 1		< 1		< 1	
CHROMIUM, DISSOLVED	UG/L	< 1		2	< 1			< 1	< 1		
CHROMIUM, TOTAL	UG/L			5		1		< 1		5	
LEAD, DISSOLVED	UG/L	< 2		< 2	< 2			< 2	< 2		
LEAD, TOTAL	UG/L			8		< 2		< 2		3	
MAGNESIUM, DISSOLVED	UG/L	80300		54800	107000			67600	257000		
MERCURY, DISSOLVED	UG/L	< 0.5		< 0.5	< 0.5			< 0.5	< 0.5		
MERCURY, TOTAL	UG/L			< 0.5		< 0.5		< 0.5		< 0.5	
SELENIUM, DISSOLVED	UG/L	< 2		< 2	< 2			< 2	< 2		
SELENIUM, TOTAL	UG/L			< 2		< 2		< 2		< 2	
SILVER, DISSOLVED	UG/L	< 1		< 1	< 1			< 1	< 1		
SILVER, TOTAL	UG/L			< 1		< 1		< 1		< 1	
ZINC, DISSOLVED	UG/L	< 5		< 5	23			13	< 5		
1,2,4-TRICHLOROBENZENE	UG/L		< 10	< 10	< 10			< 10	< 10		
1,2-DICHLOROBENZENE	UG/L		< 10	< 10	< 10			< 10	< 10		
1,3-DICHLOROBENZENE	UG/L		< 10	< 10	< 10			< 10	< 10		
1,4-DICHLOROBENZENE	UG/L		< 10	< 10	< 10			< 10	< 10		

5

I:\WPMSN\PJT1\01793\04\004\0179304004-003.XLSX 6/22/2011

© 2011 TRC All rights reserved.

MALLARD NORTH LANDFILL- APRIL 2011
ANALYTICAL DATA SUMMARY

PARAMETER	UNITS	GP-27A 4/26/2011 11-1686-018	GP-27A 4/27/2011 11-1706-006	GP-27B 4/26/2011 11-1686-011	GP-29A 4/21/2011 11-1632-017	GP-29A 4/22/2011 11-1632-018	GP-29A 4/25/2011 11-1686-004	GP-29B 4/18/2011 11-1573-002	GP-30B 4/21/2011 11-1632-021	GP-30B 4/22/2011 11-1632-022	GP-30B 4/25/2011 11-1686-005
2,2'-OXYBIS(1-CHLOROPROPANE)	UG/L		< 10	< 10	< 10			< 10	< 10		
2,4,5-TRICHLOROPHENOL	UG/L		< 10	< 10	< 10			< 10	< 10		
2,4,6-TRICHLOROPHENOL	UG/L		< 10	< 10	< 10			< 10	< 10		
2,4-DICHLOROPHENOL	UG/L		< 10	< 10	< 10			< 10	< 10		
2,4-DIMETHYLPHENOL	UG/L		< 10	< 10	< 10			< 10	< 10		
2,4-DINITROPHENOL	UG/L		< 10	< 10	< 10			< 10	< 10		
2,4-DINITROTOLUENE	UG/L		< 10	< 10	< 10			< 10	< 10		
2,6-DINITROTOLUENE	UG/L		< 10	< 10	< 10			< 10	< 10		
2-CHLORONAPHTHALENE	UG/L		< 10	< 10	< 10			< 10	< 10		
2-CHLOROPHENOL	UG/L		< 10	< 10	< 10			< 10	< 10		
2-METHYLNAPHTHALENE	UG/L		< 10	< 10	< 10			< 10	< 10		
2-METHYLPHENOL	UG/L		< 10	< 10	< 10			< 10	< 10		
2-NITROANILINE	UG/L		< 50	< 50	< 50			< 50	< 50		
2-NITROPHENOL	UG/L		< 10	< 10	< 10			< 10	< 10		
3 & 4-METHYLPHENOL	UG/L		< 10	< 10	< 10			< 10	< 10		
3,3'-DICHLOROBENZIDINE	UG/L		< 20	< 20	< 20			< 20	< 20		
3-NITROANILINE	UG/L		< 50	< 50	< 50			< 50	< 50		
4,6-DINITRO-2-METHYLPHENOL	UG/L		< 50	< 50	< 50			< 50	< 50		
4-BROMOPHENYL-PHENYLETHER	UG/L		< 10	< 10	< 10			< 10	< 10		
4-CHLORO-3-METHYLPHENOL	UG/L		< 20	< 20	< 20			< 20	< 20		
4-CHLOROANILINE	UG/L		< 10	< 10	< 10			< 10	< 10		
4-CHLOROPHENYL-PHENYLETHER	UG/L		< 10	< 10	< 10			< 10	< 10		
4-NITROANILINE	UG/L		< 20	< 20	< 20			< 20	< 20		
4-NITROPHENOL	UG/L		< 50	< 50	< 50			< 50	< 50		
ACENAPHTHENE	UG/L		< 10	< 10	< 10			< 10	< 10		
ACENAPHTHYLENE	UG/L		< 10	< 10	< 10			< 10	< 10		
ANTHRACENE	UG/L		< 5	< 5	< 5			< 5	< 5		
BENZIDINE	UG/L		< 10	< 10	< 10			< 10	< 10		
BENZO(A)ANTHRACENE	UG/L		< 0.13	< 0.13	< 0.13			< 0.13	< 0.13		
BENZO(A)PYRENE	UG/L		< 0.2	< 0.2	< 0.2			< 0.2	< 0.2		
BENZO(B)FLUORANTHENE	UG/L		< 0.18	< 0.18	< 0.18			< 0.18	< 0.18		
BENZO(G,H,I)PERYLENE	UG/L		< 0.4	< 0.4	< 0.4			< 0.4	< 0.4		
BENZO(K)FLUORANTHENE	UG/L		< 0.17	< 0.17	< 0.17			< 0.17	< 0.17		
BENZOIC ACID	UG/L		< 50	< 50	< 50			< 50	< 50		
BENZYL ALCOHOL	UG/L		< 20	< 20	< 20			< 20	< 20		
BIS(2-CHLOROETHOXY)METHANE	UG/L		< 10	< 10	< 10			< 10	< 10		

© 2011 TRC All rights reserved.

MALLARD NORTH LANDFILL- APRIL 2011
ANALYTICAL DATA SUMMARY

PARAMETER	UNITS	GP-27A 4/26/2011 11-1686-018	GP-27A 4/27/2011 11-1706-006	GP-27B 4/26/2011 11-1686-011	GP-29A 4/21/2011 11-1632-017	GP-29A 4/22/2011 11-1632-018	GP-29A 4/25/2011 11-1686-004	GP-29B 4/18/2011 11-1573-002	GP-30B 4/21/2011 11-1632-021	GP-30B 4/22/2011 11-1632-022	GP-30B 4/25/2011 11-1686-005
BIS(2-CHLOROETHYL)ETHER	UG/L		< 10	< 10	< 10			< 10	< 10		
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L		< 5	< 5	< 5			< 5	< 5		
BUTYLBENZYLPHTHALATE	UG/L		< 10	< 10	< 10			< 10	< 10		
CARBAZOLE	UG/L		< 10	< 10	< 10			< 10	< 10		
CHRYSENE	UG/L		< 1.5	< 1.5	< 1.5			< 1.5	< 1.5		
DIBENZ(A,H)ANTHRACENE	UG/L		< 0.3	< 0.3	< 0.3			< 0.3	< 0.3		
DIBENZOFURAN	UG/L		< 10	< 10	< 10			< 10	< 10		
DIETHYLPHTHALATE	UG/L		< 10	< 10	< 10			< 10	< 10		
DIMETHYLPHTHALATE	UG/L		< 10	< 10	< 10			< 10	< 10		
DI-N-BUTYLPHTHALATE	UG/L		< 10	< 10	< 10			< 10	< 10		
DI-N-OCTYLPHTHALATE	UG/L		< 10	< 10	< 10			< 10	< 10		
FLUORANTHENE	UG/L		< 2	< 2	< 2			< 2	< 2		
FLUORENE	UG/L		< 2	< 2	< 2			< 2	< 2		
HEXACHLOROBENZENE	UG/L		< 10	< 10	< 10			< 10	< 10		
HEXACHLOROBUTADIENE	UG/L		< 10	< 10	< 10			< 10	< 10		
HEXACHLOROCYCLOPENTADIENE	UG/L		< 10	< 10	< 10			< 10	< 10		
HEXACHLOROETHANE	UG/L		< 5	< 5	< 5			< 5	< 5		
INDENO(1,2,3-CD)PYRENE	UG/L		< 0.3	< 0.3	< 0.3			< 0.3	< 0.3		
ISOPHORONE	UG/L		< 10	< 10	< 10			< 10	< 10		
NAPHTHALENE	UG/L		< 10	< 10	< 10			< 10	< 10		
NITROBENZENE	UG/L		< 10	< 10	< 10			< 10	< 10		
N-NITROSODI-N-PROPYLAMINE	UG/L		< 10	< 10	< 10			< 10	< 10		
N-NITROSODIPHENYLAMINE	UG/L		< 10	< 10	< 10			< 10	< 10		
N-NITROSOMETHYLETHYLAMINE	UG/L		< 10	< 10	< 10			< 10	< 10		
PENTACHLOROPHENOL	UG/L		< 10	< 10	< 10			< 10	< 10		
PHENANTHRENE	UG/L		< 5	< 5	< 5			< 5	< 5		
PHENOL	UG/L		< 10	< 10	< 10			< 10	< 10		
PYRENE	UG/L		< 2	< 2	< 2			< 2	< 2		
1,1,1-TRICHLOROETHANE	UG/L	< 5		< 5	< 5			< 5	< 5		
1,1,2,2-TETRACHLOROETHANE	UG/L	< 5		< 5	< 5			< 5	< 5		
1,1,2-TRICHLOROETHANE	UG/L	< 5		< 5	< 5			< 5	< 5		
1,1-DICHLOROETHANE	UG/L	< 5		< 5	< 5			< 5	< 5		
1,1-DICHLOROETHENE	UG/L	< 5		< 5	< 5			< 5	< 5		
1,2-DICHLOROETHANE	UG/L	< 5		< 5	< 5			< 5	< 5		
1,2-DICHLOROPROPANE	UG/L	< 5		< 5	< 5			< 5	< 5		

59

© 2011 TRC All rights reserved.

MALLARD NORTH LANDFILL- APRIL 2011
ANALYTICAL DATA SUMMARY

PARAMETER	UNITS	GP-27A 4/26/2011 11-1686-018	GP-27A 4/27/2011 11-1706-006	GP-27B 4/26/2011 11-1686-011	GP-29A 4/21/2011 11-1632-017	GP-29A 4/22/2011 11-1632-018	GP-29A 4/25/2011 11-1686-004	GP-29B 4/18/2011 11-1573-002	GP-30B 4/21/2011 11-1632-021	GP-30B 4/22/2011 11-1632-022	GP-30B 4/25/2011 11-1686-005
2-BUTANONE	UG/L	< 10		< 10	< 10			< 10	336		
2-HEXANONE	UG/L	< 10		< 10	< 10			< 10	< 10		
4-METHYL-2-PENTANONE	UG/L	< 10		< 10	< 10			< 10	< 10		
ACETONE	UG/L	< 100		< 100	< 100			< 100	299		
BENZENE	UG/L	< 5		< 5	< 5			< 5	< 5		
BROMODICHLOROMETHANE	UG/L	< 1		< 1	< 1			< 1	< 1		
BROMOFORM	UG/L	< 1		< 1	< 1			< 1	< 1		
BROMOMETHANE	UG/L	< 5		< 5	< 5			< 5	< 5		
CARBON DISULFIDE	UG/L	< 5		< 5	< 5			< 5	< 5		
CARBON TETRACHLORIDE	UG/L	< 5		< 5	< 5			< 5	< 5		
CHLOROBENZENE	UG/L	< 5		< 5	< 5			< 5	< 5		
CHLORODIBROMOMETHANE	UG/L	< 1		< 1	< 1			< 1	< 1		
CHLOROETHANE	UG/L	< 10		< 10	< 10			< 10	< 10		
CHLOROFORM	UG/L	< 1		< 1	< 1			< 1	< 1		
CHLOROMETHANE	UG/L	< 10		< 10	< 10			< 10	< 10		
CIS-1,2-DICHLOROETHENE	UG/L	< 5		< 5	< 5			< 5	< 5		
CIS-1,3-DICHLOROPROPENE	UG/L	< 1		< 1	< 1			< 1	< 1		
ETHYLBENZENE	UG/L	< 5		< 5	< 5			< 5	< 5		
METHANE	UG/L	5.9 NS		260 NS	283 NS			3.9 NS	1530 NS		
METHYLENE CHLORIDE	UG/L	< 5		< 5	< 5			< 5	< 5		
METHYL-TERT-BUTYL-ETHER	UG/L	< 5		< 5	< 5			< 5	< 5		
STYRENE	UG/L	< 5		< 5	< 5			< 5	< 5		
TETRACHLOROETHENE	UG/L	< 5		< 5	< 5			< 5	< 5		
TOLUENE	UG/L	< 5		< 5	< 5			< 5	< 5		
TRANS-1,2-DICHLOROETHENE	UG/L	< 5		< 5	< 5			< 5	< 5		
TRANS-1,3-DICHLOROPROPENE	UG/L	< 1		< 1	< 1			< 1	< 1		
TRICHLOROETHENE	UG/L	< 5		< 5	< 5			< 5	< 5		
VINYL ACETATE	UG/L	< 10		< 10	< 10			< 10	< 10		
VINYL CHLORIDE	UG/L	< 2		< 2	< 2			< 2	< 2		
XYLENE, TOTAL	UG/L	< 5		< 5	< 5			< 5	< 5		

8

© 2011 TRC All rights reserved.

MALLARD NORTH LANDFILL- APRIL 2011
ANALYTICAL DATA SUMMARY

PARAMETER	UNITS	GP-31B 4/20/2011 11-1620-003	GP-32B 4/25/2011 11-1686-007	GP-35A 4/20/2011 11-1620-006	GP-35B 4/22/2011 11-1632-029	GP-37A 4/19/2011 11-1573-004	MW-201D 4/26/2011 11-1686-013	MW-201S 4/26/2011 11-1686-014	MW-201S DUP 4/26/2011 11-1686-015	MW-202 4/22/2011 11-1632-010	MW-203 4/21/2011 11-1632-004
BOD	MG/L	2	2	3	8	2	2	4	1	2	3
CHLORIDE	MG/L	15	277	7	10	26	400	19	20	60	8
CHLORIDE, DISSOLVED	MG/L	14	274	7	10	26	420	19	20	60	8
COD	MG/L	17	34	12	11	30	67	12	14	< 10	< 10
CYANIDE, TOTAL	MG/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
NITROGEN, AMMONIA	MG/L	1.54	14.1	< 0.1	0.17	0.77	1.66	0.68	0.75	< 0.1	< 0.1
NITROGEN, NITRATE + NITRITE	MG/L	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	4.55
NITROGEN, NITRATE, DISSOLVED	MG/L	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	4.33
NITROGEN, NITRITE, DISSOLVED	MG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.02
SOLIDS, TOTAL DISSOLVED	MG/L	564	1180	792	978	1230	1150	602	618	1220	544
SULFATE, DISSOLVED	MG/L	159	45	294	377	15	64	201	202	388	136
ARSENIC, DISSOLVED	UG/L	< 2	< 2	< 2	< 2	< 2	9	< 2	< 2	< 2	< 2
ARSENIC, TOTAL	UG/L	< 2	< 2	< 2	10	< 2	12	< 2	< 2	< 2	< 2
BARIUM, DISSOLVED	UG/L	41	717	39	25	214	210	64	61	61	51
BARIUM, TOTAL	UG/L	58	712	43	64	229	240	67	67	66	50
BORON, DISSOLVED	UG/L	30	500	40	40	40	210	70	60	80	60
CADMIUM, DISSOLVED	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CADMIUM, TOTAL	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CHROMIUM, DISSOLVED	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CHROMIUM, TOTAL	UG/L	6	2	< 1	11	< 1	2	1	< 1	5	< 1
LEAD, DISSOLVED	UG/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
LEAD, TOTAL	UG/L	5	2	< 2	14	< 2	< 2	< 2	< 2	< 2	< 2
MAGNESIUM, DISSOLVED	UG/L	41600	88700	72800	76000	118000	81800	52200	50300	82700	49000
MERCURY, DISSOLVED	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
MERCURY, TOTAL	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
SELENIUM, DISSOLVED	UG/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
SELENIUM, TOTAL	UG/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
SILVER, DISSOLVED	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
SILVER, TOTAL	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
ZINC, DISSOLVED	UG/L	< 5	< 5	7	< 5	< 5	< 5	< 5	< 5	67	35
1,2,4-TRICHLOROBENZENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,2-DICHLOROBENZENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,3-DICHLOROBENZENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,4-DICHLOROBENZENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

I:\WPMSN\PJT1\01793\04\004\0179304004-003.XLSX 6/22/2011

© 2011 TRC All rights reserved.

MALLARD NORTH LANDFILL- APRIL 2011
ANALYTICAL DATA SUMMARY

PARAMETER	UNITS	GP-31B 4/20/2011 11-1620-003	GP-32B 4/25/2011 11-1686-007	GP-35A 4/20/2011 11-1620-006	GP-35B 4/22/2011 11-1632-029	GP-37A 4/19/2011 11-1573-004	MW-201D 4/26/2011 11-1686-013	MW-201S 4/26/2011 11-1686-014	MW-201S DUP 4/26/2011 11-1686-015	MW-202 4/22/2011 11-1632-010	MW-203 4/21/2011 11-1632-004
2,2'-OXYBIS(1-CHLOROPROPANE)	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4,5-TRICHLOROPHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4,6-TRICHLOROPHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-DICHLOROPHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-DIMETHYLPHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-DINITROPHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-DINITROTOLUENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,6-DINITROTOLUENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-CHLORONAPHTHALENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-CHLOROPHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-METHYLNAPHTHALENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-METHYLPHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-NITROANILINE	UG/L	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2-NITROPHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
3 & 4-METHYLPHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
3,3'-DICHLOROBENZIDINE	UG/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
3-NITROANILINE	UG/L	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4,6-DINITRO-2-METHYLPHENOL	UG/L	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-BROMOPHENYL-PHENYLETHER	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-CHLORO-3-METHYLPHENOL	UG/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-CHLOROANILINE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-CHLOROPHENYL-PHENYLETHER	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-NITROANILINE	UG/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-NITROPHENOL	UG/L	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
ACENAPHTHENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
ACENAPHTHYLENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
ANTHRACENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
BENZIDINE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BENZO(A)ANTHRACENE	UG/L	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
BENZO(A)PYRENE	UG/L	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
BENZO(B)FLUORANTHENE	UG/L	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
BENZO(G,H,I)PERYLENE	UG/L	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
BENZO(K)FLUORANTHENE	UG/L	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
BENZOIC ACID	UG/L	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
BENZYL ALCOHOL	UG/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
BIS(2-CHLOROETHOXY)METHANE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

© 2011 TRC All rights reserved.

MALLARD NORTH LANDFILL- APRIL 2011
ANALYTICAL DATA SUMMARY

PARAMETER	UNITS	GP-31B 4/20/2011 11-1620-003	GP-32B 4/25/2011 11-1686-007	GP-35A 4/20/2011 11-1620-006	GP-35B 4/22/2011 11-1632-029	GP-37A 4/19/2011 11-1573-004	MW-201D 4/26/2011 11-1686-013	MW-201S 4/26/2011 11-1686-014	MW-201S DUP 4/26/2011 11-1686-015	MW-202 4/22/2011 11-1632-010	MW-203 4/21/2011 11-1632-004
BIS(2-CHLOROETHYL)ETHER	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
BUTYLBENZYLPHTHALATE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
CARBAZOLE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
CHRYSENE	UG/L	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
DIBENZ(A,H)ANTHRACENE	UG/L	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
DIBENZOFURAN	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DIETHYLPHTHALATE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DIMETHYLPHTHALATE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DI-N-BUTYLPHTHALATE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DI-N-OCTYLPHTHALATE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
FLUORANTHENE	UG/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
FLUORENE	UG/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
HEXACHLOROBENZENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
HEXACHLOROBUTADIENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
HEXACHLOROCYCLOPENTADIENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
HEXACHLOROETHANE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
INDENO(1,2,3-CD)PYRENE	UG/L	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
ISOPHORONE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
NAPHTHALENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
NITROBENZENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-NITROSODI-N-PROPYLAMINE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-NITROSODIPHENYLAMINE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-NITROSOMETHYLETHYLAMINE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PENTACHLOROPHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PHENANTHRENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
PHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PYRENE	UG/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1,1-TRICHLOROETHANE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-TETRACHLOROETHANE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-TRICHLOROETHANE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-DICHLOROETHANE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-DICHLOROETHENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-DICHLOROETHANE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-DICHLOROPROPANE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

© 2011 TRC All rights reserved.

MALLARD NORTH LANDFILL- APRIL 2011
ANALYTICAL DATA SUMMARY

PARAMETER	UNITS	GP-31B 4/20/2011 11-1620-003	GP-32B 4/25/2011 11-1686-007	GP-35A 4/20/2011 11-1620-006	GP-35B 4/22/2011 11-1632-029	GP-37A 4/19/2011 11-1573-004	MW-201D 4/26/2011 11-1686-013	MW-201S 4/26/2011 11-1686-014	MW-201S DUP 4/26/2011 11-1686-015	MW-202 4/22/2011 11-1632-010	MW-203 4/21/2011 11-1632-004
2-BUTANONE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-HEXANONE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-METHYL-2-PENTANONE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
ACETONE	UG/L	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100
BENZENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
BROMODICHLOROMETHANE	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
BROMOFORM	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
BROMOMETHANE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
CARBON DISULFIDE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
CARBON TETRACHLORIDE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
CHLOROBENZENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
CHLORODIBROMOMETHANE	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CHLOROETHANE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
CHLOROFORM	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CHLOROMETHANE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
CIS-1,2-DICHLOROETHENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
CIS-1,3-DICHLOROPROPENE	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
ETHYLBENZENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
METHANE	UG/L	4040 NS	225 NS	< 2 NS	79.6 NS	4700 NS	207 NS	26.9 NS	23.5 NS	< 2 NS	3 NS
METHYLENE CHLORIDE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
METHYL-TERT-BUTYL-ETHER	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
STYRENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
TETRACHLOROETHENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
TOLUENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
TRANS-1,2-DICHLOROETHENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
TRANS-1,3-DICHLOROPROPENE	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
TRICHLOROETHENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
VINYL ACETATE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
VINYL CHLORIDE	UG/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
XYLENE, TOTAL	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

64

© 2011 TRC All rights reserved.

MALLARD NORTH LANDFILL- APRIL 2011
ANALYTICAL DATA SUMMARY

PARAMETER	UNITS	MW-203 DUP 4/21/2011 11-1632-003	MW-204D 4/27/2011 11-1706-002	MW-204S 4/27/2011 11-1706-001	P-117B 4/20/2011 11-1593-009	P-118B 4/20/2011 11-1620-004	P-119B 4/21/2011 11-1632-009	P-121B 4/20/2011 11-1620-007	TRIP BLANK 4/20/2011 11-1593-010	TRIP BLANK 4/26/2011 11-1706-015	TRIP BLANK 1 4/19/2011 11-1573-006
BOD	MG/L	3	23	1	2	2	1	5			
CHLORIDE	MG/L	8	9	6	16	7	430	299			
CHLORIDE, DISSOLVED	MG/L	8	7	6	14	6	430	304			
COD	MG/L	< 10	51	< 10	< 10	12	46	< 10			
CYANIDE, TOTAL	MG/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			
NITROGEN, AMMONIA	MG/L	< 0.1	1.58	0.35	2.64	0.34	4.29	78.7			
NITROGEN, NITRATE + NITRITE	MG/L	4.31	< 0.1	0.18	< 0.1	0.86	< 0.1	< 0.1			
NITROGEN, NITRATE, DISSOLVED	MG/L	4.25	< 0.1	0.16	< 0.1	0.88	< 0.1	< 0.1			
NITROGEN, NITRITE, DISSOLVED	MG/L	0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			
SOLIDS, TOTAL DISSOLVED	MG/L	564	1130	411	1720	2000	1140	1350			
SULFATE, DISSOLVED	MG/L	99	379	60	1130	1160	41	257			
ARSENIC, DISSOLVED	UG/L	< 2	22	10	9	8	23	12			
ARSENIC, TOTAL	UG/L	< 2	19	11	11	7	26	13			
BARIUM, DISSOLVED	UG/L	53	48	68	10	28	202	104			
BARIUM, TOTAL	UG/L	49	47	67	20	30	238	175			
BORON, DISSOLVED	UG/L	70	50	230	800	220	300	1140			
CADMIUM, DISSOLVED	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1			
CADMIUM, TOTAL	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1			
CHROMIUM, DISSOLVED	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	2			
CHROMIUM, TOTAL	UG/L	< 1	1	< 1	< 1	< 1	< 1	2			
LEAD, DISSOLVED	UG/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2			
LEAD, TOTAL	UG/L	< 2	< 2	< 2	< 2	< 2	2	< 2			
MAGNESIUM, DISSOLVED	UG/L	50500	53000	40100	72800	115000	69100	108000			
MERCURY, DISSOLVED	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5			
MERCURY, TOTAL	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5			
SELENIUM, DISSOLVED	UG/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2			
SELENIUM, TOTAL	UG/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2			
SILVER, DISSOLVED	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1			
SILVER, TOTAL	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1			
ZINC, DISSOLVED	UG/L	35	< 5	< 5	< 5	< 5	< 5	< 5			
1,2,4-TRICHLOROBENZENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
1,2-DICHLOROBENZENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
1,3-DICHLOROBENZENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
1,4-DICHLOROBENZENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10			

© 2011 TRC All rights reserved.

MALLARD NORTH LANDFILL- APRIL 2011
ANALYTICAL DATA SUMMARY

PARAMETER	UNITS	MW-203 DUP 4/21/2011 11-1632-003	MW-204D 4/27/2011 11-1706-002	MW-204S 4/27/2011 11-1706-001	P-117B 4/20/2011 11-1593-009	P-118B 4/20/2011 11-1620-004	P-119B 4/21/2011 11-1632-009	P-121B 4/20/2011 11-1620-007	TRIP BLANK 4/20/2011 11-1593-010	TRIP BLANK 4/26/2011 11-1706-015	TRIP BLANK 1 4/19/2011 11-1573-006
2,2'-OXYBIS(1-CHLOROPROPANE)	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
2,4,5-TRICHLOROPHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
2,4,6-TRICHLOROPHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
2,4-DICHLOROPHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
2,4-DIMETHYLPHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
2,4-DINITROPHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
2,4-DINITROTOLUENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
2,6-DINITROTOLUENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
2-CHLORONAPHTHALENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
2-CHLOROPHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
2-METHYLNAPHTHALENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
2-METHYLPHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
2-NITROANILINE	UG/L	< 50	< 50	< 50	< 50	< 50	< 50	< 50			
2-NITROPHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
3 & 4-METHYLPHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
3,3'-DICHLOROBENZIDINE	UG/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20			
3-NITROANILINE	UG/L	< 50	< 50	< 50	< 50	< 50	< 50	< 50			
4,6-DINITRO-2-METHYLPHENOL	UG/L	< 50	< 50	< 50	< 50	< 50	< 50	< 50			
4-BROMOPHENYL-PHENYLETHER	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
4-CHLORO-3-METHYLPHENOL	UG/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20			
4-CHLOROANILINE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
4-CHLOROPHENYL-PHENYLETHER	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
4-NITROANILINE	UG/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20			
4-NITROPHENOL	UG/L	< 50	< 50	< 50	< 50	< 50	< 50	< 50			
ACENAPHTHENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
ACENAPHTHYLENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
ANTHRACENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5			
BENZIDINE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
BENZO(A)ANTHRACENE	UG/L	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13			
BENZO(A)PYRENE	UG/L	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	0.3	< 0.2			
BENZO(B)FLUORANTHENE	UG/L	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18			
BENZO(G,H,I)PERYLENE	UG/L	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4			
BENZO(K)FLUORANTHENE	UG/L	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17			
BENZOIC ACID	UG/L	< 50	< 50	< 50	< 50	< 50	< 50	< 50			
BENZYL ALCOHOL	UG/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20			
BIS(2-CHLOROETHOXY)METHANE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10			

© 2011 TRC All rights reserved.

MALLARD NORTH LANDFILL- APRIL 2011
ANALYTICAL DATA SUMMARY

PARAMETER	UNITS	MW-203 DUP 4/21/2011 11-1632-003	MW-204D 4/27/2011 11-1706-002	MW-204S 4/27/2011 11-1706-001	P-117B 4/20/2011 11-1593-009	P-118B 4/20/2011 11-1620-004	P-119B 4/21/2011 11-1632-009	P-121B 4/20/2011 11-1620-007	TRIP BLANK 4/20/2011 11-1593-010	TRIP BLANK 4/26/2011 11-1706-015	TRIP BLANK 1 4/19/2011 11-1573-006
BIS(2-CHLOROETHYL)ETHER	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5			
BUTYLBENZYLPHTHALATE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
CARBAZOLE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
CHRYSENE	UG/L	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5			
DIBENZ(A,H)ANTHRACENE	UG/L	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3			
DIBENZOFURAN	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
DIETHYLPHTHALATE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
DIMETHYLPHTHALATE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
DI-N-BUTYLPHTHALATE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
DI-N-OCTYLPHTHALATE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
FLUORANTHENE	UG/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2			
FLUORENE	UG/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2			
HEXACHLOROBENZENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
HEXACHLOROBUTADIENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
HEXACHLOROCYCLOPENTADIENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
HEXACHLOROETHANE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5			
INDENO(1,2,3-CD)PYRENE	UG/L	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3			
ISOPHORONE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
NAPHTHALENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
NITROBENZENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
N-NITROSODI-N-PROPYLAMINE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
N-NITROSODIPHENYLAMINE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
N-NITROSOMETHYLETHYLAMINE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
PENTACHLOROPHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
PHENANTHRENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5			
PHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
PYRENE	UG/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2			
1,1,1-TRICHLOROETHANE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-TETRACHLOROETHANE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-TRICHLOROETHANE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-DICHLOROETHANE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-DICHLOROETHENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-DICHLOROETHANE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-DICHLOROPROPANE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

5

© 2011 TRC All rights reserved.

MALLARD NORTH LANDFILL- APRIL 2011
ANALYTICAL DATA SUMMARY

PARAMETER	UNITS	MW-203 DUP 4/21/2011 11-1632-003	MW-204D 4/27/2011 11-1706-002	MW-204S 4/27/2011 11-1706-001	P-117B 4/20/2011 11-1593-009	P-118B 4/20/2011 11-1620-004	P-119B 4/21/2011 11-1632-009	P-121B 4/20/2011 11-1620-007	TRIP BLANK 4/20/2011 11-1593-010	TRIP BLANK 4/26/2011 11-1706-015	TRIP BLANK 1 4/19/2011 11-1573-006
2-BUTANONE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-HEXANONE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-METHYL-2-PENTANONE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
ACETONE	UG/L	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100
BENZENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
BROMODICHLOROMETHANE	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
BROMOFORM	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
BROMOMETHANE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
CARBON DISULFIDE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
CARBON TETRACHLORIDE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
CHLOROBENZENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
CHLORODIBROMOMETHANE	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CHLOROETHANE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
CHLOROFORM	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CHLOROMETHANE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
CIS-1,2-DICHLOROETHENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
CIS-1,3-DICHLOROPROPENE	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
ETHYLBENZENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
METHANE	UG/L	3.9 NS	1550 NS	118 NS	64.8 NS	20.1 NS	361 NS	190 NS			
METHYLENE CHLORIDE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
METHYL-TERT-BUTYL-ETHER	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
STYRENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
TETRACHLOROETHENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
TOLUENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
TRANS-1,2-DICHLOROETHENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
TRANS-1,3-DICHLOROPROPENE	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
TRICHLOROETHENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
VINYL ACETATE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
VINYL CHLORIDE	UG/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
XYLENE, TOTAL	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

© 2011 TRC All rights reserved.

MALLARD NORTH LANDFILL- APRIL 2011
ANALYTICAL DATA SUMMARY

PARAMETER	UNITS	TRIP BLANK 1 4/22/2011 11-1632-030	TRIP BLANK 1 4/26/2011 11-1686-022	TRIP BLANK 2 4/19/2011 11-1573-007	TRIP BLANK 2 4/22/2011 11-1632-031	TRIP BLANK 2 4/26/2011 11-1686-023	TRIP BLANK 3 4/22/2011 11-1632-032
BOD	MG/L						
CHLORIDE	MG/L						
CHLORIDE, DISSOLVED	MG/L						
COD	MG/L						
CYANIDE, TOTAL	MG/L						
NITROGEN, AMMONIA	MG/L						
NITROGEN, NITRATE + NITRITE	MG/L						
NITROGEN, NITRATE, DISSOLVED	MG/L						
NITROGEN, NITRITE, DISSOLVED	MG/L						
SOLIDS, TOTAL DISSOLVED	MG/L						
SULFATE, DISSOLVED	MG/L						
ARSENIC, DISSOLVED	UG/L						
ARSENIC, TOTAL	UG/L						
BARIUM, DISSOLVED	UG/L						
BARIUM, TOTAL	UG/L						
BORON, DISSOLVED	UG/L						
CADMIUM, DISSOLVED	UG/L						
CADMIUM, TOTAL	UG/L						
CHROMIUM, DISSOLVED	UG/L						
CHROMIUM, TOTAL	UG/L						
LEAD, DISSOLVED	UG/L						
LEAD, TOTAL	UG/L						
MAGNESIUM, DISSOLVED	UG/L						
MERCURY, DISSOLVED	UG/L						
MERCURY, TOTAL	UG/L						
SELENIUM, DISSOLVED	UG/L						
SELENIUM, TOTAL	UG/L						
SILVER, DISSOLVED	UG/L						
SILVER, TOTAL	UG/L						
ZINC, DISSOLVED	UG/L						
1,2,4-TRICHLOROBENZENE	UG/L						
1,2-DICHLOROBENZENE	UG/L						
1,3-DICHLOROBENZENE	UG/L						
1,4-DICHLOROBENZENE	UG/L						

69

© 2011 TRC All rights reserved.

MALLARD NORTH LANDFILL- APRIL 2011
ANALYTICAL DATA SUMMARY

PARAMETER	UNITS	TRIP BLANK 1 4/22/2011 11-1632-030	TRIP BLANK 1 4/26/2011 11-1686-022	TRIP BLANK 2 4/19/2011 11-1573-007	TRIP BLANK 2 4/22/2011 11-1632-031	TRIP BLANK 2 4/26/2011 11-1686-023	TRIP BLANK 3 4/22/2011 11-1632-032
2,2'-OXYBIS(1-CHLOROPROPANE)	UG/L						
2,4,5-TRICHLOROPHENOL	UG/L						
2,4,6-TRICHLOROPHENOL	UG/L						
2,4-DICHLOROPHENOL	UG/L						
2,4-DIMETHYLPHENOL	UG/L						
2,4-DINITROPHENOL	UG/L						
2,4-DINITROTOLUENE	UG/L						
2,6-DINITROTOLUENE	UG/L						
2-CHLORONAPHTHALENE	UG/L						
2-CHLOROPHENOL	UG/L						
2-METHYLNAPHTHALENE	UG/L						
2-METHYLPHENOL	UG/L						
2-NITROANILINE	UG/L						
2-NITROPHENOL	UG/L						
3 & 4-METHYLPHENOL	UG/L						
3,3'-DICHLOROBENZIDINE	UG/L						
3-NITROANILINE	UG/L						
4,6-DINITRO-2-METHYLPHENOL	UG/L						
4-BROMOPHENYL-PHENYLETHER	UG/L						
4-CHLORO-3-METHYLPHENOL	UG/L						
4-CHLOROANILINE	UG/L						
4-CHLOROPHENYL-PHENYLETHER	UG/L						
4-NITROANILINE	UG/L						
4-NITROPHENOL	UG/L						
ACENAPHTHENE	UG/L						
ACENAPHTHYLENE	UG/L						
ANTHRACENE	UG/L						
BENZIDINE	UG/L						
BENZO(A)ANTHRACENE	UG/L						
BENZO(A)PYRENE	UG/L						
BENZO(B)FLUORANTHENE	UG/L						
BENZO(G,H,I)PERYLENE	UG/L						
BENZO(K)FLUORANTHENE	UG/L						
BENZOIC ACID	UG/L						
BENZYL ALCOHOL	UG/L						
BIS(2-CHLOROETHOXY)METHANE	UG/L						

70

© 2011 TRC All rights reserved.

MALLARD NORTH LANDFILL- APRIL 2011
ANALYTICAL DATA SUMMARY

PARAMETER	UNITS	TRIP BLANK 1 4/22/2011 11-1632-030	TRIP BLANK 1 4/26/2011 11-1686-022	TRIP BLANK 2 4/19/2011 11-1573-007	TRIP BLANK 2 4/22/2011 11-1632-031	TRIP BLANK 2 4/26/2011 11-1686-023	TRIP BLANK 3 4/22/2011 11-1632-032
BIS(2-CHLOROETHYL)ETHER	UG/L						
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L						
BUTYLBENZYLPHTHALATE	UG/L						
CARBAZOLE	UG/L						
CHRYSENE	UG/L						
DIBENZ(A,H)ANTHRACENE	UG/L						
DIBENZOFURAN	UG/L						
DIETHYLPHTHALATE	UG/L						
DIMETHYLPHTHALATE	UG/L						
DI-N-BUTYLPHTHALATE	UG/L						
DI-N-OCTYLPHTHALATE	UG/L						
FLUORANTHENE	UG/L						
FLUORENE	UG/L						
HEXACHLOROBENZENE	UG/L						
HEXACHLOROBUTADIENE	UG/L						
HEXACHLOROCYCLOPENTADIENE	UG/L						
HEXACHLOROETHANE	UG/L						
INDENO(1,2,3-CD)PYRENE	UG/L						
ISOPHORONE	UG/L						
NAPHTHALENE	UG/L						
NITROBENZENE	UG/L						
N-NITROSODI-N-PROPYLAMINE	UG/L						
N-NITROSODIPHENYLAMINE	UG/L						
N-NITROSOMETHYLETHYLAMINE	UG/L						
PENTACHLOROPHENOL	UG/L						
PHENANTHRENE	UG/L						
PHENOL	UG/L						
PYRENE	UG/L						
1,1,1-TRICHLOROETHANE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-TETRACHLOROETHANE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-TRICHLOROETHANE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5
1,1-DICHLOROETHANE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5
1,1-DICHLOROETHENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5
1,2-DICHLOROETHANE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5
1,2-DICHLOROPROPANE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5

© 2011 TRC All rights reserved.

MALLARD NORTH LANDFILL- APRIL 2011
ANALYTICAL DATA SUMMARY

PARAMETER	UNITS	TRIP BLANK 1 4/22/2011 11-1632-030	TRIP BLANK 1 4/26/2011 11-1686-022	TRIP BLANK 2 4/19/2011 11-1573-007	TRIP BLANK 2 4/22/2011 11-1632-031	TRIP BLANK 2 4/26/2011 11-1686-023	TRIP BLANK 3 4/22/2011 11-1632-032
2-BUTANONE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10
2-HEXANONE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10
4-METHYL-2-PENTANONE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10
ACETONE	UG/L	< 100	< 100	< 100	< 100	< 100	< 100
BENZENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5
BROMODICHLOROMETHANE	UG/L	< 1	< 1	< 1	< 1	< 1	< 1
BROMOFORM	UG/L	< 1	< 1	< 1	< 1	< 1	< 1
BROMOMETHANE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5
CARBON DISULFIDE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5
CARBON TETRACHLORIDE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5
CHLOROBENZENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5
CHLORODIBROMOMETHANE	UG/L	< 1	< 1	< 1	< 1	< 1	< 1
CHLOROETHANE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10
CHLOROFORM	UG/L	< 1	< 1	< 1	< 1	< 1	< 1
CHLOROMETHANE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10
CIS-1,2-DICHLOROETHENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5
CIS-1,3-DICHLOROPROPENE	UG/L	< 1	< 1	< 1	< 1	< 1	< 1
ETHYLBENZENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5
METHANE	UG/L						
METHYLENE CHLORIDE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5
METHYL-TERT-BUTYL-ETHER	UG/L	< 5	< 5	< 5	< 5	< 5	< 5
STYRENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5
TETRACHLOROETHENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5
TOLUENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5
TRANS-1,2-DICHLOROETHENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5
TRANS-1,3-DICHLOROPROPENE	UG/L	< 1	< 1	< 1	< 1	< 1	< 1
TRICHLOROETHENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5
VINYL ACETATE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10
VINYL CHLORIDE	UG/L	< 2	< 2	< 2	< 2	< 2	< 2
XYLENE, TOTAL	UG/L	< 5	< 5	< 5	< 5	< 5	< 5

© 2011 TRC All rights reserved.

Laboratory Reports (CD)

First Environmental Laboratories, Inc.

IL ELAP / NELAC Accreditation # 100292

1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

May 04, 2011

Mr. Jason Schoephoester
RMT, INC.
744 Heartland Trail
Madison, WI 53717

Project ID: Mallard North LF P.O.# 6809.04
First Environmental File ID: 11-1620
Date Received: April 21, 2011

Dear Mr. Jason Schoephoester:

The above referenced project was analyzed as directed on the enclosed chain of custody record.

All Quality Control criteria as outlined in the methods and current IL ELAP/NELAP have been met unless otherwise noted. QA/QC documentation and raw data will remain on file for future reference. Our accreditation number is 100292 and our current certificate is number 002687: effective 03/01/2011 through 02/28/2012.

I thank you for the opportunity to be of service to you and look forward to working with you again in the future. Should you have any questions regarding any of the enclosed analytical data or need additional information, please contact me at (630) 778-1200.

Sincerely,

Stan Zaworski
Project Manager

First Environmental Laboratories, Inc.

IL ELAP / NELAC Accreditation # 100292

1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Case Narrative

RMT, INC.

Project ID: **Mallard North LF P.O.# 6809.04**

First Environmental File ID: **11-1620**

Date Received: **April 21, 2011**

Flag	Description	Flag	Description
<	Analyte not detected at or above the reporting limit.	L+	LCS recovery outside control limits; high bias.
B	Analyte detected in associated method blank.	L-	LCS recovery outside control limits; low bias.
C	Identification confirmed by GC/MS.	M	MS recovery outside control limits; LCS acceptable.
D	Surrogates diluted out; recovery not available.	M+	MS recovery outside control limits high bias; LCS acceptable.
E	Estimated result; concentration exceeds calibration range.	M-	MS recovery outside control limits low bias; LCS acceptable.
F	Field measurement.	N	Analyte is not part of our NELAC accreditation.
		ND	Analyte was not detected using a library search routine; No calibration standard was analyzed.
G	Surrogate recovery outside control limits; matrix effect.	P	Chemical preservation pH adjusted in lab.
H	Analysis or extraction holding time exceeded.	Q	The analyte was determined by a GC/MS database search.
J	Estimated result; concentration is less than calib range.	S	Analyte was sub-contracted to another laboratory for analysis.
K	RPD outside control limits.	T	Sample temperature upon receipt exceeded 0-6°C
RL	Routine Reporting Limit (Lowest amount that can be detected when routine weights/volumes are used without dilution.)	W	Reporting limit elevated due to sample matrix.

All quality control criteria, as outlined in the methods, have been met except as noted below or on the following analytical report.

Sample Batch Comments:

Sample acceptance criteria were met.

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North LF P.O.# 6809.04
Sample ID: GP-11B
Sample No: 11-1620-001

Date Collected: 04/20/11
Time Collected: 16:45
Date Received: 04/21/11
Date Reported: 05/04/11

Analyte	Result	R.L.	Units	Flags
Chloride, Dissolved	**Method: 4500Cl, E**			
Analysis Date: 04/28/11				
Chloride, Dissolved	38	5	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**			
Analysis Date: 04/25/11				
Nitrate (as N) Dissolved	< 0.10	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**			
Analysis Date: 04/27/11				
Sulfate, Dissolved	246	15	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**			
Analysis Date: 04/22/11				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North LF P.O.# 6809.04
Sample ID: GP-11B
Sample No: 11-1620-001

Date Collected: 04/20/11
Time Collected: 16:45
Date Received: 04/21/11
Date Reported: 05/04/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/22/11				
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/26/11		Preparation Date: 04/25/11		
Benzidine	< 10	10	ug/L	
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North LF P.O.# 6809.04
Sample ID: GP-11B
Sample No: 11-1620-001

Date Collected: 04/20/11
Time Collected: 16:45
Date Received: 04/21/11
Date Reported: 05/04/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/26/11		Preparation Date: 04/25/11		
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/27/11		Preparation Date: 04/25/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North LF P.O.# 6809.04
Sample ID: GP-11B
Sample No: 11-1620-001

Date Collected: 04/20/11
Time Collected: 16:45
Date Received: 04/21/11
Date Reported: 05/04/11

Analyte	Result	R.L.	Units	Flags
Polynuclear Aromatic Hydrocarbons **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/27/11		Preparation Date: 04/25/11		
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	
Dissolved Metals **Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 04/26/11		Preparation Date: 04/26/11		
Arsenic, diss.	< 0.002	0.002	mg/L	
Barium, diss.	0.064	0.001	mg/L	
Cadmium, diss.	0.001	0.001	mg/L	
Chromium, diss.	< 0.001	0.001	mg/L	
Lead, diss.	< 0.002	0.002	mg/L	
Selenium, diss.	< 0.002	0.002	mg/L	
Silver, diss.	< 0.001	0.001	mg/L	
Boron, diss.	0.07	0.01	mg/L	
Magnesium, diss.	80.3	0.1	mg/L	
Zinc, diss.	0.025	0.005	mg/L	
Dissolved Metals **Method: 7470A**				
Analysis Date: 04/27/11				
Mercury, diss.	< 0.0005	0.0005	mg/L	
Dissolved Gases **Method: RSK175**				
Analysis Date: 04/29/11				
Methane	19.4	2.0	ug/L	NS

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North LF P.O.# 6809.04
Sample ID: GP-108
Sample No: 11-1620-002

Date Collected: 04/20/11
Time Collected: 15:05
Date Received: 04/21/11
Date Reported: 05/04/11

Analyte	Result	R.L.	Units	Flags
Ammonia (as N)	**Method: 350.1R2.0**			
Analysis Date: 04/26/11				
Ammonia (as N)	< 0.10	0.10	mg/L	
BOD, 5 Day	**Method: 5210B**			
Analysis Date: 04/22/11 14:00				
BOD, 5 Day	3	1	mg/L	
Chloride	**Method: 4500Cl, E**			
Analysis Date: 04/28/11				
Chloride	29	5	mg/L	
Chloride, Dissolved	**Method: 4500Cl, E**			
Analysis Date: 04/28/11				
Chloride, Dissolved	30	5	mg/L	
COD	**Method: 5220D**			
Analysis Date: 04/25/11				
COD	< 10	10	mg/L	
Cyanide, Total	**Method: 335.4R1.0**			
Analysis Date: 04/27/11				
Cyanide, Total	< 0.005	0.005	mg/L	
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**			
Analysis Date: 04/25/11				
Nitrate + Nitrite (as N)	0.32	0.10	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**			
Analysis Date: 04/25/11				
Nitrate (as N) Dissolved	0.29	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**			
Analysis Date: 04/27/11				
Sulfate, Dissolved	305	15	mg/L	
Total Dissolved Solids	**Method: 2540C**			
Analysis Date: 04/25/11				
Total Dissolved Solids	998	10	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**			
Analysis Date: 04/22/11				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North LF P.O.# 6809.04
Sample ID: GP-108
Sample No: 11-1620-002

Date Collected: 04/20/11
Time Collected: 15:05
Date Received: 04/21/11
Date Reported: 05/04/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds	**Method: 5030B/8260B**			
Analysis Date: 04/22/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds	**Method: 8270C**	**Preparation Method 3510C**		
Analysis Date: 04/26/11		Preparation Date: 04/25/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North LF P.O.# 6809.04
Sample ID: GP-108
Sample No: 11-1620-002

Date Collected: 04/20/11
Time Collected: 15:05
Date Received: 04/21/11
Date Reported: 05/04/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/26/11		Preparation Date: 04/25/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North LF P.O.# 6809.04
Sample ID: GP-108
Sample No: 11-1620-002

Date Collected: 04/20/11
Time Collected: 15:05
Date Received: 04/21/11
Date Reported: 05/04/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C** Analysis Date: 04/26/11		**Preparation Method 3510C** Preparation Date: 04/25/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C** Analysis Date: 04/27/11		**Preparation Method 3510C** Preparation Date: 04/25/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North LF P.O.# 6809.04
Sample ID: GP-108
Sample No: 11-1620-002

Date Collected: 04/20/11
Time Collected: 15:05
Date Received: 04/21/11
Date Reported: 05/04/11

Analyte		Result	R.L.	Units	Flags
Total Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 04/26/11			Preparation Date: 04/26/11		
Arsenic		< 0.002	0.002	mg/L	
Barium		0.055	0.001	mg/L	
Cadmium		< 0.001	0.001	mg/L	
Chromium		< 0.001	0.001	mg/L	
Lead		< 0.002	0.002	mg/L	
Selenium		< 0.002	0.002	mg/L	
Silver		< 0.001	0.001	mg/L	
Total Metals	**Method: 7470A**				
Analysis Date: 04/25/11					
Mercury		< 0.0005	0.0005	mg/L	
Dissolved Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 04/26/11			Preparation Date: 04/26/11		
Arsenic, diss.		< 0.002	0.002	mg/L	
Barium, diss.		0.055	0.001	mg/L	
Cadmium, diss.		< 0.001	0.001	mg/L	
Chromium, diss.		< 0.001	0.001	mg/L	
Lead, diss.		< 0.002	0.002	mg/L	
Selenium, diss.		< 0.002	0.002	mg/L	
Silver, diss.		< 0.001	0.001	mg/L	
Boron, diss.		0.05	0.01	mg/L	
Magnesium, diss.		84.4	0.1	mg/L	
Zinc, diss.		< 0.005	0.005	mg/L	
Dissolved Metals	**Method: 7470A**				
Analysis Date: 04/27/11					
Mercury, diss.		< 0.0005	0.0005	mg/L	
Dissolved Gases	**Method: RSK175**				
Analysis Date: 04/29/11					
Methane		< 2.0	2.0	ug/L	NS

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North LF P.O.# 6809.04
Sample ID: GP-31B
Sample No: 11-1620-003

Date Collected: 04/20/11
Time Collected: 16:40
Date Received: 04/21/11
Date Reported: 05/04/11

Analyte		Result	R.L.	Units	Flags
Ammonia (as N)	**Method: 350.1R2.0**				
Analysis Date: 04/26/11					
Ammonia (as N)		1.54	0.10	mg/L	
BOD, 5 Day	**Method: 5210B**				
Analysis Date: 04/22/11 14:00					
BOD, 5 Day		2	1	mg/L	
Chloride	**Method: 4500Cl, E**				
Analysis Date: 04/28/11					
Chloride		15	5	mg/L	
Chloride, Dissolved	**Method: 4500Cl, E**				
Analysis Date: 04/28/11					
Chloride, Dissolved		14	5	mg/L	
COD	**Method: 5220D**				
Analysis Date: 04/25/11					
COD		17	10	mg/L	
Cyanide, Total	**Method: 335.4R1.0**				
Analysis Date: 04/27/11					
Cyanide, Total		< 0.005	0.005	mg/L	
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**				
Analysis Date: 04/25/11					
Nitrate + Nitrite (as N)		< 0.10	0.10	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**				
Analysis Date: 04/25/11					
Nitrate (as N) Dissolved		< 0.10	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**				
Analysis Date: 04/27/11					
Sulfate, Dissolved		159	15	mg/L	
Total Dissolved Solids	**Method: 2540C**				
Analysis Date: 04/25/11					
Total Dissolved Solids		564	10	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**				
Analysis Date: 04/22/11					
Acetone		< 100	100	ug/L	
Benzene		< 5.0	5.0	ug/L	
Bromodichloromethane		< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North LF P.O.# 6809.04
Sample ID: GP-31B
Sample No: 11-1620-003

Date Collected: 04/20/11
Time Collected: 16:40
Date Received: 04/21/11
Date Reported: 05/04/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/22/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/26/11		Preparation Date: 04/25/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North LF P.O.# 6809.04
Sample ID: GP-31B
Sample No: 11-1620-003

Date Collected: 04/20/11
Time Collected: 16:40
Date Received: 04/21/11
Date Reported: 05/04/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/26/11		Preparation Date: 04/25/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North LF P.O.# 6809.04
Sample ID: GP-31B
Sample No: 11-1620-003

Date Collected: 04/20/11
Time Collected: 16:40
Date Received: 04/21/11
Date Reported: 05/04/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/26/11		Preparation Date: 04/25/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/27/11		Preparation Date: 04/25/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North LF P.O.# 6809.04
Sample ID: GP-31B
Sample No: 11-1620-003

Date Collected: 04/20/11
Time Collected: 16:40
Date Received: 04/21/11
Date Reported: 05/04/11

Analyte		Result	R.L.	Units	Flags
Total Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 04/26/11			Preparation Date: 04/26/11		
Arsenic		< 0.002	0.002	mg/L	
Barium		0.058	0.001	mg/L	
Cadmium		< 0.001	0.001	mg/L	
Chromium		0.006	0.001	mg/L	
Lead		0.005	0.002	mg/L	
Selenium		< 0.002	0.002	mg/L	
Silver		< 0.001	0.001	mg/L	
Total Metals	**Method: 7470A**				
Analysis Date: 04/25/11					
Mercury		< 0.0005	0.0005	mg/L	
Dissolved Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 04/26/11			Preparation Date: 04/26/11		
Arsenic, diss.		< 0.002	0.002	mg/L	
Barium, diss.		0.041	0.001	mg/L	
Cadmium, diss.		< 0.001	0.001	mg/L	
Chromium, diss.		< 0.001	0.001	mg/L	
Lead, diss.		< 0.002	0.002	mg/L	
Selenium, diss.		< 0.002	0.002	mg/L	
Silver, diss.		< 0.001	0.001	mg/L	
Boron, diss.		0.03	0.01	mg/L	
Magnesium, diss.		41.6	0.1	mg/L	
Zinc, diss.		< 0.005	0.005	mg/L	
Dissolved Metals	**Method: 7470A**				
Analysis Date: 04/27/11					
Mercury, diss.		< 0.0005	0.0005	mg/L	
Dissolved Gases	**Method: RSK175**				
Analysis Date: 04/29/11					
Methane		4,040	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North LF P.O.# 6809.04
Sample ID: P-118B
Sample No: 11-1620-004

Date Collected: 04/20/11
Time Collected: 13:00
Date Received: 04/21/11
Date Reported: 05/04/11

Analyte		Result	R.L.	Units	Flags
Ammonia (as N)	**Method: 350.1R2.0**				
Analysis Date: 04/26/11					
Ammonia (as N)		0.34	0.10	mg/L	
BOD, 5 Day	**Method: 5210B**				
Analysis Date: 04/22/11 14:00					
BOD, 5 Day		2	1	mg/L	
Chloride	**Method: 4500Cl, E**				
Analysis Date: 04/28/11					
Chloride		7	5	mg/L	
Chloride, Dissolved	**Method: 4500Cl, E**				
Analysis Date: 04/28/11					
Chloride, Dissolved		6	5	mg/L	
COD	**Method: 5220D**				
Analysis Date: 04/25/11					
COD		12	10	mg/L	
Cyanide, Total	**Method: 335.4R1.0**				
Analysis Date: 04/27/11					
Cyanide, Total		< 0.005	0.005	mg/L	
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**				
Analysis Date: 04/25/11					
Nitrate + Nitrite (as N)		0.86	0.10	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**				
Analysis Date: 04/25/11					
Nitrate (as N) Dissolved		0.88	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**				
Analysis Date: 04/27/11					
Sulfate, Dissolved		1,160	15	mg/L	
Total Dissolved Solids	**Method: 2540C**				
Analysis Date: 04/25/11					
Total Dissolved Solids		2,000	10	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**				
Analysis Date: 04/22/11					
Acetone		< 100	100	ug/L	
Benzene		< 5.0	5.0	ug/L	
Bromodichloromethane		< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North LF P.O.# 6809.04
Sample ID: P-118B
Sample No: 11-1620-004

Date Collected: 04/20/11
Time Collected: 13:00
Date Received: 04/21/11
Date Reported: 05/04/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/22/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/26/11		Preparation Date: 04/25/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North LF P.O.# 6809.04
Sample ID: P-118B
Sample No: 11-1620-004

Date Collected: 04/20/11
Time Collected: 13:00
Date Received: 04/21/11
Date Reported: 05/04/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/26/11		Preparation Date: 04/25/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North LF P.O.# 6809.04
Sample ID: P-118B
Sample No: 11-1620-004

Date Collected: 04/20/11
Time Collected: 13:00
Date Received: 04/21/11
Date Reported: 05/04/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C** Analysis Date: 04/26/11		**Preparation Method 3510C** Preparation Date: 04/25/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C** Analysis Date: 04/27/11		**Preparation Method 3510C** Preparation Date: 04/25/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North LF P.O.# 6809.04
Sample ID: P-118B
Sample No: 11-1620-004

Date Collected: 04/20/11
Time Collected: 13:00
Date Received: 04/21/11
Date Reported: 05/04/11

Analyte	Result	R.L.	Units	Flags
Total Metals **Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 04/26/11		Preparation Date: 04/26/11		
Arsenic	0.007	0.002	mg/L	
Barium	0.030	0.001	mg/L	
Cadmium	< 0.001	0.001	mg/L	
Chromium	< 0.001	0.001	mg/L	
Lead	< 0.002	0.002	mg/L	
Selenium	< 0.002	0.002	mg/L	
Silver	< 0.001	0.001	mg/L	
Total Metals **Method: 7470A**				
Analysis Date: 04/25/11				
Mercury	< 0.0005	0.0005	mg/L	
Dissolved Metals **Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 04/26/11		Preparation Date: 04/26/11		
Arsenic, diss.	0.008	0.002	mg/L	
Barium, diss.	0.028	0.001	mg/L	
Cadmium, diss.	< 0.001	0.001	mg/L	
Chromium, diss.	< 0.001	0.001	mg/L	
Lead, diss.	< 0.002	0.002	mg/L	
Selenium, diss.	< 0.002	0.002	mg/L	
Silver, diss.	< 0.001	0.001	mg/L	
Boron, diss.	0.22	0.01	mg/L	
Magnesium, diss.	115	0.1	mg/L	
Zinc, diss.	< 0.005	0.005	mg/L	
Dissolved Metals **Method: 7470A**				
Analysis Date: 04/27/11				
Mercury, diss.	< 0.0005	0.0005	mg/L	
Dissolved Gases **Method: RSK175**				
Analysis Date: 04/29/11				
Methane	20.1	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North LF P.O.# 6809.04
Sample ID: G-106
Sample No: 11-1620-005

Date Collected: 04/20/11
Time Collected: 15:20
Date Received: 04/21/11
Date Reported: 05/04/11

Analyte		Result	R.L.	Units	Flags
Ammonia (as N)	**Method: 350.1R2.0**				
Analysis Date: 04/26/11					
Ammonia (as N)		0.13	0.10	mg/L	
BOD, 5 Day	**Method: 5210B**				
Analysis Date: 04/22/11 14:00					
BOD, 5 Day		2	1	mg/L	
Chloride	**Method: 4500Cl, E**				
Analysis Date: 04/28/11					
Chloride		19	5	mg/L	
Chloride, Dissolved	**Method: 4500Cl, E**				
Analysis Date: 04/28/11					
Chloride, Dissolved		19	5	mg/L	
COD	**Method: 5220D**				
Analysis Date: 04/25/11					
COD		13	10	mg/L	
Cyanide, Total	**Method: 335.4R1.0**				
Analysis Date: 04/27/11					
Cyanide, Total		< 0.005	0.005	mg/L	
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**				
Analysis Date: 04/25/11					
Nitrate + Nitrite (as N)		0.20	0.10	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**				
Analysis Date: 04/25/11					
Nitrate (as N) Dissolved		< 0.10	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**				
Analysis Date: 04/27/11					
Sulfate, Dissolved		72	15	mg/L	
Total Dissolved Solids	**Method: 2540C**				
Analysis Date: 04/25/11					
Total Dissolved Solids		591	10	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**				
Analysis Date: 04/22/11					
Acetone		< 100	100	ug/L	
Benzene		< 5.0	5.0	ug/L	
Bromodichloromethane		< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North LF P.O.# 6809.04
Sample ID: G-106
Sample No: 11-1620-005

Date Collected: 04/20/11
Time Collected: 15:20
Date Received: 04/21/11
Date Reported: 05/04/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/22/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/26/11		Preparation Date: 04/25/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North LF P.O.# 6809.04
Sample ID: G-106
Sample No: 11-1620-005

Date Collected: 04/20/11
Time Collected: 15:20
Date Received: 04/21/11
Date Reported: 05/04/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/26/11		Preparation Date: 04/25/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North LF P.O.# 6809.04
Sample ID: G-106
Sample No: 11-1620-005

Date Collected: 04/20/11
Time Collected: 15:20
Date Received: 04/21/11
Date Reported: 05/04/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C** Analysis Date: 04/26/11		**Preparation Method 3510C** Preparation Date: 04/25/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C** Analysis Date: 04/27/11		**Preparation Method 3510C** Preparation Date: 04/25/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North LF P.O.# 6809.04
Sample ID: G-106
Sample No: 11-1620-005

Date Collected: 04/20/11
Time Collected: 15:20
Date Received: 04/21/11
Date Reported: 05/04/11

Analyte	Result	R.L.	Units	Flags
Total Metals **Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 04/26/11		Preparation Date: 04/26/11		
Arsenic	< 0.002	0.002	mg/L	
Barium	0.069	0.001	mg/L	
Cadmium	< 0.001	0.001	mg/L	
Chromium	< 0.001	0.001	mg/L	
Lead	< 0.002	0.002	mg/L	
Selenium	< 0.002	0.002	mg/L	
Silver	< 0.001	0.001	mg/L	
Total Metals **Method: 7470A**				
Analysis Date: 04/25/11				
Mercury	< 0.0005	0.0005	mg/L	
Dissolved Metals **Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 04/26/11		Preparation Date: 04/26/11		
Arsenic, diss.	< 0.002	0.002	mg/L	
Barium, diss.	0.064	0.001	mg/L	
Cadmium, diss.	< 0.001	0.001	mg/L	
Chromium, diss.	< 0.001	0.001	mg/L	
Lead, diss.	< 0.002	0.002	mg/L	
Selenium, diss.	< 0.002	0.002	mg/L	
Silver, diss.	< 0.001	0.001	mg/L	
Boron, diss.	0.07	0.01	mg/L	
Magnesium, diss.	55.2	0.1	mg/L	
Zinc, diss.	0.032	0.005	mg/L	
Dissolved Metals **Method: 7470A**				
Analysis Date: 04/27/11				
Mercury, diss.	< 0.0005	0.0005	mg/L	
Dissolved Gases **Method: RSK175**				
Analysis Date: 04/29/11				
Methane	38.7	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North LF P.O.# 6809.04
Sample ID: G-35A
Sample No: 11-1620-006

Date Collected: 04/20/11
Time Collected: 17:05
Date Received: 04/21/11
Date Reported: 05/04/11

Analyte		Result	R.L.	Units	Flags
Ammonia (as N)	**Method: 350.1R2.0**				
Analysis Date: 04/26/11					
Ammonia (as N)		< 0.10	0.10	mg/L	
BOD, 5 Day	**Method: 5210B**				
Analysis Date: 04/22/11 14:00					
BOD, 5 Day		3	1	mg/L	
Chloride	**Method: 4500Cl, E**				
Analysis Date: 04/28/11					
Chloride		7	5	mg/L	
Chloride, Dissolved	**Method: 4500Cl, E**				
Analysis Date: 04/28/11					
Chloride, Dissolved		7	5	mg/L	
COD	**Method: 5220D**				
Analysis Date: 04/25/11					
COD		12	10	mg/L	
Cyanide, Total	**Method: 335.4R1.0**				
Analysis Date: 04/27/11					
Cyanide, Total		< 0.005	0.005	mg/L	
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**				
Analysis Date: 04/25/11					
Nitrate + Nitrite (as N)		< 0.10	0.10	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**				
Analysis Date: 04/25/11					
Nitrate (as N) Dissolved		< 0.10	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**				
Analysis Date: 04/27/11					
Sulfate, Dissolved		294	15	mg/L	
Total Dissolved Solids	**Method: 2540C**				
Analysis Date: 04/25/11					
Total Dissolved Solids		792	10	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**				
Analysis Date: 04/22/11					
Acetone		< 100	100	ug/L	
Benzene		< 5.0	5.0	ug/L	
Bromodichloromethane		< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North LF P.O.# 6809.04
Sample ID: G-35A
Sample No: 11-1620-006

Date Collected: 04/20/11
Time Collected: 17:05
Date Received: 04/21/11
Date Reported: 05/04/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/22/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/26/11		Preparation Date: 04/25/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North LF P.O.# 6809.04
Sample ID: G-35A
Sample No: 11-1620-006

Date Collected: 04/20/11
Time Collected: 17:05
Date Received: 04/21/11
Date Reported: 05/04/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/26/11		Preparation Date: 04/25/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North LF P.O.# 6809.04
Sample ID: G-35A
Sample No: 11-1620-006

Date Collected: 04/20/11
Time Collected: 17:05
Date Received: 04/21/11
Date Reported: 05/04/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C** Analysis Date: 04/26/11		**Preparation Method 3510C** Preparation Date: 04/25/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C** Analysis Date: 04/27/11		**Preparation Method 3510C** Preparation Date: 04/25/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North LF P.O.# 6809.04
Sample ID: G-35A
Sample No: 11-1620-006

Date Collected: 04/20/11
Time Collected: 17:05
Date Received: 04/21/11
Date Reported: 05/04/11

Analyte	Result	R.L.	Units	Flags
Total Metals **Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 04/26/11		Preparation Date: 04/26/11		
Arsenic	< 0.002	0.002	mg/L	
Barium	0.043	0.001	mg/L	
Cadmium	< 0.001	0.001	mg/L	
Chromium	< 0.001	0.001	mg/L	
Lead	< 0.002	0.002	mg/L	
Selenium	< 0.002	0.002	mg/L	
Silver	< 0.001	0.001	mg/L	
Total Metals **Method: 7470A**				
Analysis Date: 04/25/11				
Mercury	< 0.0005	0.0005	mg/L	
Dissolved Metals **Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 04/26/11		Preparation Date: 04/26/11		
Arsenic, diss.	< 0.002	0.002	mg/L	
Barium, diss.	0.039	0.001	mg/L	
Cadmium, diss.	< 0.001	0.001	mg/L	
Chromium, diss.	< 0.001	0.001	mg/L	
Lead, diss.	< 0.002	0.002	mg/L	
Selenium, diss.	< 0.002	0.002	mg/L	
Silver, diss.	< 0.001	0.001	mg/L	
Boron, diss.	0.04	0.01	mg/L	
Magnesium, diss.	72.8	0.1	mg/L	
Zinc, diss.	0.007	0.005	mg/L	
Dissolved Metals **Method: 7470A**				
Analysis Date: 04/27/11				
Mercury, diss.	< 0.0005	0.0005	mg/L	
Dissolved Gases **Method: RSK175**				
Analysis Date: 04/29/11				
Methane	< 2.0	2.0	ug/L	N S

First Environmental Laboratories, Inc.

IL ELAP / NELAC Accreditation # 100292

1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North LF P.O.# 6809.04
Sample ID: P-121B
Sample No: 11-1620-007

Date Collected: 04/20/11
Time Collected: 15:25
Date Received: 04/21/11
Date Reported: 05/04/11

Analyte	Result	R.L.	Units	Flags
Ammonia (as N) **Method: 350.1R2.0**				
Analysis Date: 04/29/11				
Ammonia (as N)	78.7	0.10	mg/L	
BOD, 5 Day **Method: 5210B**				
Analysis Date: 04/22/11 14:00				
BOD, 5 Day	5	1	mg/L	
Chloride **Method: 4500Cl, E**				
Analysis Date: 04/28/11				
Chloride	299	5	mg/L	
Chloride, Dissolved **Method: 4500Cl, E**				
Analysis Date: 04/28/11				
Chloride, Dissolved	304	5	mg/L	
COD **Method: 5220D**				
Analysis Date: 04/25/11				
COD	< 10	10	mg/L	
Cyanide, Total **Method: 335.4R1.0**				
Analysis Date: 04/27/11				
Cyanide, Total	< 0.005	0.005	mg/L	
Nitrate + Nitrite (as N) **Method: 353.2R2.0**				
Analysis Date: 04/25/11				
Nitrate + Nitrite (as N)	< 0.10	0.10	mg/L	
Nitrate (as N), Dissolved **Method: 353.2R2.0**				
Analysis Date: 04/25/11				
Nitrate (as N) Dissolved	< 0.10	0.10	mg/L	
Sulfate, Dissolved **Method: 375.2R2.0**				
Analysis Date: 04/27/11				
Sulfate, Dissolved	257	15	mg/L	
Total Dissolved Solids **Method: 2540C**				
Analysis Date: 04/25/11				
Total Dissolved Solids	1,350	10	mg/L	
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/22/11				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North LF P.O.# 6809.04
Sample ID: P-121B
Sample No: 11-1620-007

Date Collected: 04/20/11
Time Collected: 15:25
Date Received: 04/21/11
Date Reported: 05/04/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/22/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/26/11		Preparation Date: 04/25/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North LF P.O.# 6809.04
Sample ID: P-121B
Sample No: 11-1620-007

Date Collected: 04/20/11
Time Collected: 15:25
Date Received: 04/21/11
Date Reported: 05/04/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/26/11		Preparation Date: 04/25/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North LF P.O.# 6809.04
Sample ID: P-121B
Sample No: 11-1620-007

Date Collected: 04/20/11
Time Collected: 15:25
Date Received: 04/21/11
Date Reported: 05/04/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C** Analysis Date: 04/26/11		**Preparation Method 3510C** Preparation Date: 04/25/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C** Analysis Date: 04/27/11		**Preparation Method 3510C** Preparation Date: 04/25/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North LF P.O.# 6809.04
Sample ID: P-121B
Sample No: 11-1620-007

Date Collected: 04/20/11
Time Collected: 15:25
Date Received: 04/21/11
Date Reported: 05/04/11

Analyte		Result	R.L.	Units	Flags
Total Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 04/26/11			Preparation Date: 04/26/11		
Arsenic		0.013	0.002	mg/L	
Barium		0.175	0.001	mg/L	
Cadmium		< 0.001	0.001	mg/L	
Chromium		0.002	0.001	mg/L	
Lead		< 0.002	0.002	mg/L	
Selenium		< 0.002	0.002	mg/L	
Silver		< 0.001	0.001	mg/L	
Total Metals	**Method: 7470A**				
Analysis Date: 04/25/11					
Mercury		< 0.0005	0.0005	mg/L	
Dissolved Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 04/26/11			Preparation Date: 04/26/11		
Arsenic, diss.		0.012	0.002	mg/L	
Barium, diss.		0.104	0.001	mg/L	
Cadmium, diss.		< 0.001	0.001	mg/L	
Chromium, diss.		0.002	0.001	mg/L	
Lead, diss.		< 0.002	0.002	mg/L	
Selenium, diss.		< 0.002	0.002	mg/L	
Silver, diss.		< 0.001	0.001	mg/L	
Boron, diss.		1.14	0.01	mg/L	
Magnesium, diss.		108	0.1	mg/L	
Zinc, diss.		< 0.005	0.005	mg/L	
Dissolved Metals	**Method: 7470A**				
Analysis Date: 04/27/11					
Mercury, diss.		< 0.0005	0.0005	mg/L	
Dissolved Gases	**Method: RSK175**				
Analysis Date: 04/29/11					
Methane		190	2.0	ug/L	NS

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North LF P.O.# 6809.04
Sample ID: GP-11B
Sample No: 11-1620-008

Date Collected: 04/21/11
Time Collected: 8:15
Date Received: 04/21/11
Date Reported: 05/04/11

Analyte		Result	R.L.	Units	Flags
Ammonia (as N)	**Method: 350.1R2.0**				
Analysis Date: 04/26/11					
Ammonia (as N)		0.35	0.10	mg/L	
BOD, 5 Day	**Method: 5210B**				
Analysis Date: 04/22/11 14:00					
BOD, 5 Day		3	1	mg/L	
Chloride	**Method: 4500Cl, E**				
Analysis Date: 04/28/11					
Chloride		30	5	mg/L	
COD	**Method: 5220D**				
Analysis Date: 04/25/11					
COD		12	10	mg/L	
Cyanide, Total	**Method: 335.4R1.0**				
Analysis Date: 04/27/11					
Cyanide, Total		< 0.005	0.005	mg/L	
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**				
Analysis Date: 04/25/11					
Nitrate + Nitrite (as N)		0.25	0.10	mg/L	
Total Dissolved Solids	**Method: 2540C**				
Analysis Date: 04/25/11					
Total Dissolved Solids		757	10	mg/L	
Total Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 04/26/11			Preparation Date: 04/26/11		
Arsenic		< 0.002	0.002	mg/L	
Barium		0.100	0.001	mg/L	
Cadmium		< 0.001	0.001	mg/L	
Chromium		0.003	0.001	mg/L	
Lead		0.007	0.002	mg/L	
Selenium		< 0.002	0.002	mg/L	
Silver		< 0.001	0.001	mg/L	
Total Metals	**Method: 7470A**				
Analysis Date: 04/25/11					
Mercury		< 0.0005	0.0005	mg/L	

CHAIN OF CUSTODY RECORD

Page____ of ____ pgs

First Environmental Laboratories, Inc.

First Environmental Laboratories
1600 Shore Road, Suite D
Naperville, Illinois 60563
Phone: (630) 778-1200 • Fax: (630) 778-1233
E-mail: firstinfo@firstenv.com
IEPA Certification #100292

Company Name: RMT Inc
Street Address: 744 Heartland Tr
City: Madison State: WI Zip: 53717
Phone: 608 831 4444 Fax: e-mail:
Send Report To: Nate Keller / Peggy Bopp Via: Fax ☐ e-mail ☒
Sampled By: Nate Keller Ted O'Connell, Jesse Lopez

Project I.D.: Mallard North LF
P.O. #: 6809.04

Matrix Codes: S = Soil W = Water O = Other

Analyses

Date/Time Taken	Sample Description	Matrix	Methane	VOCs	Dissolved metals	Dissolved Cl / SO4	Dis Nitrate	SVOCs / PAH	Tot Metals	Nitrate / Nitrite	Ammonia	Total Cl	TDS	BOD	Cyanide	Comments	Lab I.D.
4/20/11-1645	GP-11B ~~16~~ NK	GW	X	X	X	X										11-1620 -	001
4/20/11 1505	~~AA~~ NK G-108					X	X	X	X	X	X	X					002
	G-108 MS							X									
	G-108 MSD																
1640	GP-31B																003
1300	~~D~~ NK P-118B																004
~~1055~~	~~G-103~~ NK																
1520	G-106		X	X	X	X	X	X	X	X							005
1705	G-35A																006
1525	P-121B																007
	~~Dup-03~~ NK																
4/21/11 815	GP-11B	GW						X	X	X	X					~~*Sample Not Received*~~ RG 4/22/11	008

FOR LAB USE ONLY:

Cooler Temperature: 0.1-6ºC Yes__ No.__ _____ºC
Received within 6 hrs. of collection:_____
Ice Present: Yes__ No__

Sample Refrigerated: Yes__ No__
Refrigerator Temperature:_____ºC
5035 Vials Frozen: Yes__ No__
Freezer Temperature:_____ºC

Containers Received Preserved: ☐ Yes ☐ No
Need to meet: IL. TACO ☐ IN. RISC ☐

Notes and Special Instructions: See Analytical Plan for more info

Relinquished By: [signature] Date/Time 4/21/11 0947 Received By: [signature] Date/Time 4-21-11 0947
Relinquished By: _____ Date/Time _____ Received By: _____ Date/Time _____

Rev. 9/08

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

May 09, 2011

Mr. Jason Schoephoester
RMT, INC.
744 Heartland Trail
Madison, WI 53717

Project ID: 6809.04 Mallard
First Environmental File ID: 11-1573
Date Received: April 19, 2011

Dear Mr. Jason Schoephoester:

The above referenced project was analyzed as directed on the enclosed chain of custody record.

All Quality Control criteria as outlined in the methods and current IL ELAP/NELAP have been met unless otherwise noted. QA/QC documentation and raw data will remain on file for future reference. Our accreditation number is 100292 and our current certificate is number 002687: effective 03/01/2011 through 02/28/2012.

I thank you for the opportunity to be of service to you and look forward to working with you again in the future. Should you have any questions regarding any of the enclosed analytical data or need additional information, please contact me at (630) 778-1200.

Sincerely,

Stan Zaworski
Project Manager

First Environmental Laboratories, Inc.

IL ELAP / NELAC Accreditation # 100292

1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Case Narrative

RMT, INC.

Project ID: **6809.04 Mallard**

First Environmental File ID: **11-1573**

Date Received: **April 19, 2011**

Flag	Description	Flag	Description
<	Analyte not detected at or above the reporting limit.	L+	LCS recovery outside control limits; high bias.
B	Analyte detected in associated method blank.	L-	LCS recovery outside control limits; low bias.
C	Identification confirmed by GC/MS.	M	MS recovery outside control limits; LCS acceptable.
D	Surrogates diluted out; recovery not available.	M+	MS recovery outside control limits high bias; LCS acceptable.
E	Estimated result; concentration exceeds calibration range.	M-	MS recovery outside control limits low bias; LCS acceptable.
F	Field measurement.	N	Analyte is not part of our NELAC accreditation.
		ND	Analyte was not detected using a library search routine; No calibration standard was analyzed.
G	Surrogate recovery outside control limits; matrix effect.	P	Chemical preservation pH adjusted in lab.
H	Analysis or extraction holding time exceeded.	Q	The analyte was determined by a GC/MS database search.
J	Estimated result; concentration is less than calib range.	S	Analyte was sub-contracted to another laboratory for analysis.
K	RPD outside control limits.	T	Sample temperature upon receipt exceeded 0-6°C
RL	Routine Reporting Limit (Lowest amount that can be detected when routine weights/volumes are used without dilution.)	W	Reporting limit elevated due to sample matrix.

All quality control criteria, as outlined in the methods, have been met except as noted below or on the following analytical report.

Sample Batch Comments:

Sample acceptance criteria were met.

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: 6809.04 Mallard
Sample ID: GP-16B
Sample No: 11-1573-001

Date Collected: 04/18/11
Time Collected: 12:05
Date Received: 04/19/11
Date Reported: 05/09/11

Analyte	Result	R.L.	Units	Flags
Chloride, Dissolved **Method: 4500Cl, E**				
Analysis Date: 04/21/11				
Chloride, Dissolved	165	5	mg/L	
Nitrate (as N), Dissolved **Method: 353.2R2.0**				
Analysis Date: 04/21/11				
Nitrate (as N) Dissolved	5.14	0.10	mg/L	
Sulfate, Dissolved **Method: 375.2R2.0**				
Analysis Date: 04/20/11				
Sulfate, Dissolved	55	15	mg/L	
Total Dissolved Solids **Method: 2540C**				
Analysis Date: 04/20/11				
Total Dissolved Solids	1,350	10	mg/L	
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/20/11				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: 6809.04 Mallard
Sample ID: GP-16B
Sample No: 11-1573-001

Date Collected: 04/18/11
Time Collected: 12:05
Date Received: 04/19/11
Date Reported: 05/09/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/20/11				
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/22/11		Preparation Date: 04/21/11		
Benzidine	< 10	10	ug/L	
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: 6809.04 Mallard
Sample ID: GP-16B
Sample No: 11-1573-001

Date Collected: 04/18/11
Time Collected: 12:05
Date Received: 04/19/11
Date Reported: 05/09/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/22/11		Preparation Date: 04/21/11		
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/22/11		Preparation Date: 04/21/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: 6809.04 Mallard
Sample ID: GP-16B
Sample No: 11-1573-001

Date Collected: 04/18/11
Time Collected: 12:05
Date Received: 04/19/11
Date Reported: 05/09/11

Analyte	Result	R.L.	Units	Flags
Polynuclear Aromatic Hydrocarbons **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/22/11		Preparation Date: 04/21/11		
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	
Total Metals **Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 04/21/11		Preparation Date: 04/21/11		
Arsenic	< 0.002	0.002	mg/L	
Barium	0.353	0.001	mg/L	
Cadmium	< 0.001	0.001	mg/L	
Chromium	0.003	0.001	mg/L	
Lead	< 0.002	0.002	mg/L	
Selenium	< 0.002	0.002	mg/L	
Silver	< 0.001	0.001	mg/L	
Total Metals **Method: 7470A**				
Analysis Date: 04/25/11				
Mercury	< 0.0005	0.0005	mg/L	
Dissolved Metals **Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 04/25/11		Preparation Date: 04/25/11		
Arsenic, diss.	< 0.002	0.002	mg/L	
Barium, diss.	0.313	0.001	mg/L	
Cadmium, diss.	< 0.001	0.001	mg/L	
Chromium, diss.	< 0.001	0.001	mg/L	
Lead, diss.	< 0.002	0.002	mg/L	
Selenium, diss.	< 0.002	0.002	mg/L	
Silver, diss.	< 0.001	0.001	mg/L	
Boron, diss.	1.34	0.01	mg/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: 6809.04 Mallard
Sample ID: GP-16B
Sample No: 11-1573-001

Date Collected: 04/18/11
Time Collected: 12:05
Date Received: 04/19/11
Date Reported: 05/09/11

Analyte		Result	R.L.	Units	Flags
Dissolved Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 04/25/11			Preparation Date: 04/25/11		
Magnesium, diss.		129	0.1	mg/L	
Zinc, diss.		0.014	0.005	mg/L	
Dissolved Metals	**Method: 7470A**				
Analysis Date: 04/20/11					
Mercury, diss.		< 0.0005	0.0005	mg/L	
Dissolved Gases	**Method: RSK175**				
Analysis Date: 04/26/11					
Methane		45.0	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: 6809.04 Mallard
Sample ID: GP-29B
Sample No: 11-1573-002

Date Collected: 04/18/11
Time Collected: 13:10
Date Received: 04/19/11
Date Reported: 05/09/11

Analyte		Result	R.L.	Units	Flags
Ammonia (as N)	**Method: 350.1R2.0**				
Analysis Date: 04/21/11					
Ammonia (as N)		0.44	0.10	mg/L	
BOD, 5 Day	**Method: 5210B**				
Analysis Date: 04/19/11 15:30					
BOD, 5 Day		2	1	mg/L	
Chloride	**Method: 4500Cl, E**				
Analysis Date: 04/21/11					
Chloride		6	5	mg/L	
Chloride, Dissolved	**Method: 4500Cl, E**				
Analysis Date: 04/21/11					
Chloride, Dissolved		7	5	mg/L	
COD	**Method: 5220D**				
Analysis Date: 04/25/11					
COD		< 10	10	mg/L	
Cyanide, Total	**Method: 335.4R1.0**				
Analysis Date: 04/21/11					
Cyanide, Total		< 0.005	0.005	mg/L	
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**				
Analysis Date: 04/21/11					
Nitrate + Nitrite (as N)		0.44	0.10	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**				
Analysis Date: 04/21/11					
Nitrate (as N) Dissolved		0.42	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**				
Analysis Date: 04/20/11					
Sulfate, Dissolved		840	15	mg/L	
Total Dissolved Solids	**Method: 2540C**				
Analysis Date: 04/20/11					
Total Dissolved Solids		1,490	10	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**				
Analysis Date: 04/20/11					
Acetone		< 100	100	ug/L	
Benzene		< 5.0	5.0	ug/L	
Bromodichloromethane		< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: 6809.04 Mallard
Sample ID: GP-29B
Sample No: 11-1573-002

Date Collected: 04/18/11
Time Collected: 13:10
Date Received: 04/19/11
Date Reported: 05/09/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/20/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/22/11		Preparation Date: 04/21/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: 6809.04 Mallard
Sample ID: GP-29B
Sample No: 11-1573-002

Date Collected: 04/18/11
Time Collected: 13:10
Date Received: 04/19/11
Date Reported: 05/09/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/22/11		Preparation Date: 04/21/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client:	RMT, INC.	**Date Collected:**	04/18/11
Project ID:	6809.04 Mallard	**Time Collected:**	13:10
Sample ID:	GP-29B	**Date Received:**	04/19/11
Sample No:	11-1573-002	**Date Reported:**	05/09/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/22/11		Preparation Date: 04/21/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/22/11		Preparation Date: 04/21/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: 6809.04 Mallard
Sample ID: GP-29B
Sample No: 11-1573-002

Date Collected: 04/18/11
Time Collected: 13:10
Date Received: 04/19/11
Date Reported: 05/09/11

Analyte		Result	R.L.	Units	Flags
Total Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 04/21/11			Preparation Date: 04/21/11		
Arsenic		< 0.002	0.002	mg/L	
Barium		0.015	0.001	mg/L	
Cadmium		< 0.001	0.001	mg/L	
Chromium		< 0.001	0.001	mg/L	
Lead		< 0.002	0.002	mg/L	
Selenium		< 0.002	0.002	mg/L	
Silver		< 0.001	0.001	mg/L	
Total Metals	**Method: 7470A**				
Analysis Date: 04/25/11					
Mercury		< 0.0005	0.0005	mg/L	
Dissolved Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 04/25/11			Preparation Date: 04/25/11		
Arsenic, diss.		< 0.002	0.002	mg/L	
Barium, diss.		0.014	0.001	mg/L	
Cadmium, diss.		< 0.001	0.001	mg/L	
Chromium, diss.		< 0.001	0.001	mg/L	
Lead, diss.		< 0.002	0.002	mg/L	
Selenium, diss.		< 0.002	0.002	mg/L	
Silver, diss.		< 0.001	0.001	mg/L	
Boron, diss.		0.58	0.01	mg/L	
Magnesium, diss.		67.6	0.1	mg/L	
Zinc, diss.		0.013	0.005	mg/L	
Dissolved Metals	**Method: 7470A**				
Analysis Date: 04/20/11					
Mercury, diss.		< 0.0005	0.0005	mg/L	
Dissolved Gases	**Method: RSK175**				
Analysis Date: 04/26/11					
Methane		3.9	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: 6809.04 Mallard
Sample ID: GP-21B
Sample No: 11-1573-003

Date Collected: 04/18/11
Time Collected: 14:25
Date Received: 04/19/11
Date Reported: 05/09/11

Analyte	Result	R.L.	Units	Flags
Ammonia (as N) **Method: 350.1R2.0**				
Analysis Date: 04/21/11				
Ammonia (as N)	0.14	0.10	mg/L	
BOD, 5 Day **Method: 5210B**				
Analysis Date: 04/19/11 15:30				
BOD, 5 Day	2	1	mg/L	
Chloride **Method: 4500Cl, E**				
Analysis Date: 04/21/11				
Chloride	5	5	mg/L	
Chloride, Dissolved **Method: 4500Cl, E**				
Analysis Date: 04/21/11				
Chloride, Dissolved	5	5	mg/L	
COD **Method: 5220D**				
Analysis Date: 04/25/11				
COD	< 10	10	mg/L	
Nitrate + Nitrite (as N) **Method: 353.2R2.0**				
Analysis Date: 04/21/11				
Nitrate + Nitrite (as N)	0.94	0.10	mg/L	
Nitrate (as N), Dissolved **Method: 353.2R2.0**				
Analysis Date: 04/21/11				
Nitrate (as N) Dissolved	< 0.10	0.10	mg/L	
Sulfate, Dissolved **Method: 375.2R2.0**				
Analysis Date: 04/20/11				
Sulfate, Dissolved	48	15	mg/L	
Total Dissolved Solids **Method: 2540C**				
Analysis Date: 04/25/11				
Total Dissolved Solids	516	10	mg/L	
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/20/11				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client:	RMT, INC.	**Date Collected:**	04/18/11
Project ID:	6809.04 Mallard	**Time Collected:**	14:25
Sample ID:	GP-21B	**Date Received:**	04/19/11
Sample No:	11-1573-003	**Date Reported:**	05/09/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/20/11				
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/22/11		Preparation Date: 04/21/11		
Benzidine	< 10	10	ug/L	
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client:	RMT, INC.	**Date Collected:**	04/18/11
Project ID:	6809.04 Mallard	**Time Collected:**	14:25
Sample ID:	GP-21B	**Date Received:**	04/19/11
Sample No:	11-1573-003	**Date Reported:**	05/09/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/22/11		Preparation Date: 04/21/11		
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: 6809.04 Mallard
Sample ID: GP-21B
Sample No: 11-1573-003

Date Collected: 04/18/11
Time Collected: 14:25
Date Received: 04/19/11
Date Reported: 05/09/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/22/11		Preparation Date: 04/21/11		
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/22/11		Preparation Date: 04/21/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	
Total Metals **Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 04/21/11		Preparation Date: 04/21/11		
Arsenic	< 0.002	0.002	mg/L	
Barium	0.112	0.001	mg/L	
Cadmium	< 0.001	0.001	mg/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: 6809.04 Mallard
Sample ID: GP-21B
Sample No: 11-1573-003

Date Collected: 04/18/11
Time Collected: 14:25
Date Received: 04/19/11
Date Reported: 05/09/11

Analyte		Result	R.L.	Units	Flags
Total Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 04/21/11			Preparation Date: 04/21/11		
Chromium		< 0.001	0.001	mg/L	
Lead		< 0.002	0.002	mg/L	
Selenium		< 0.002	0.002	mg/L	
Silver		< 0.001	0.001	mg/L	
Total Metals	**Method: 7470A**				
Analysis Date: 04/25/11					
Mercury		< 0.0005	0.0005	mg/L	
Dissolved Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 04/25/11			Preparation Date: 04/25/11		
Arsenic, diss.		< 0.002	0.002	mg/L	
Barium, diss.		0.110	0.001	mg/L	
Cadmium, diss.		< 0.001	0.001	mg/L	
Chromium, diss.		< 0.001	0.001	mg/L	
Lead, diss.		< 0.002	0.002	mg/L	
Selenium, diss.		< 0.002	0.002	mg/L	
Silver, diss.		< 0.001	0.001	mg/L	
Boron, diss.		0.19	0.01	mg/L	
Magnesium, diss.		52.9	0.1	mg/L	
Zinc, diss.		< 0.005	0.005	mg/L	
Dissolved Metals	**Method: 7470A**				
Analysis Date: 04/20/11					
Mercury, diss.		< 0.0005	0.0005	mg/L	
Dissolved Gases	**Method: RSK175**				
Analysis Date: 04/26/11					
Methane		3.3	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: 6809.04 Mallard
Sample ID: GP-37A
Sample No: 11-1573-004

Date Collected: 04/19/11
Time Collected: 12:10
Date Received: 04/19/11
Date Reported: 05/09/11

Analyte		Result	R.L.	Units	Flags
Ammonia (as N)	**Method: 350.1R2.0**				
Analysis Date: 04/21/11					
Ammonia (as N)		0.77	0.10	mg/L	
BOD, 5 Day	**Method: 5210B**				
Analysis Date: 04/20/11					
BOD, 5 Day		2	1	mg/L	
Chloride	**Method: 4500Cl, E**				
Analysis Date: 04/21/11					
Chloride		26	5	mg/L	
Chloride, Dissolved	**Method: 4500Cl, E**				
Analysis Date: 04/21/11					
Chloride, Dissolved		26	5	mg/L	
COD	**Method: 5220D**				
Analysis Date: 04/25/11					
COD		30	10	mg/L	
Cyanide, Total	**Method: 335.4R1.0**				
Analysis Date: 04/21/11					
Cyanide, Total		< 0.005	0.005	mg/L	
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**				
Analysis Date: 04/21/11					
Nitrate + Nitrite (as N)		< 0.10	0.10	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**				
Analysis Date: 04/21/11					
Nitrate (as N) Dissolved		< 0.10	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**				
Analysis Date: 04/20/11					
Sulfate, Dissolved		15	15	mg/L	
Total Dissolved Solids	**Method: 2540C**				
Analysis Date: 04/25/11					
Total Dissolved Solids		1,230	10	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**				
Analysis Date: 04/20/11					
Acetone		< 100	100	ug/L	
Benzene		< 5.0	5.0	ug/L	
Bromodichloromethane		< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: 6809.04 Mallard
Sample ID: GP-37A
Sample No: 11-1573-004

Date Collected: 04/19/11
Time Collected: 12:10
Date Received: 04/19/11
Date Reported: 05/09/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/20/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/22/11		Preparation Date: 04/21/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: 6809.04 Mallard
Sample ID: GP-37A
Sample No: 11-1573-004

Date Collected: 04/19/11
Time Collected: 12:10
Date Received: 04/19/11
Date Reported: 05/09/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/22/11		Preparation Date: 04/21/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: 6809.04 Mallard
Sample ID: GP-37A
Sample No: 11-1573-004

Date Collected: 04/19/11
Time Collected: 12:10
Date Received: 04/19/11
Date Reported: 05/09/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/22/11		Preparation Date: 04/21/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/22/11		Preparation Date: 04/21/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: 6809.04 Mallard
Sample ID: GP-37A
Sample No: 11-1573-004

Date Collected: 04/19/11
Time Collected: 12:10
Date Received: 04/19/11
Date Reported: 05/09/11

Analyte		Result	R.L.	Units	Flags
Total Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 04/21/11			Preparation Date: 04/21/11		
Arsenic		< 0.002	0.002	mg/L	
Barium		0.229	0.001	mg/L	
Cadmium		< 0.001	0.001	mg/L	
Chromium		< 0.001	0.001	mg/L	
Lead		< 0.002	0.002	mg/L	
Selenium		< 0.002	0.002	mg/L	
Silver		< 0.001	0.001	mg/L	
Total Metals	**Method: 7470A**				
Analysis Date: 04/25/11					
Mercury		< 0.0005	0.0005	mg/L	
Dissolved Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 04/25/11			Preparation Date: 04/25/11		
Arsenic, diss.		< 0.002	0.002	mg/L	
Barium, diss.		0.214	0.001	mg/L	
Cadmium, diss.		< 0.001	0.001	mg/L	
Chromium, diss.		< 0.001	0.001	mg/L	
Lead, diss.		< 0.002	0.002	mg/L	
Selenium, diss.		< 0.002	0.002	mg/L	
Silver, diss.		< 0.001	0.001	mg/L	
Boron, diss.		0.04	0.01	mg/L	
Magnesium, diss.		118	0.1	mg/L	
Zinc, diss.		< 0.005	0.005	mg/L	
Dissolved Metals	**Method: 7470A**				
Analysis Date: 04/20/11					
Mercury, diss.		< 0.0005	0.0005	mg/L	
Dissolved Gases	**Method: RSK175**				
Analysis Date: 04/27/11					
Methane		4,700	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: 6809.04 Mallard
Sample ID: GP-6
Sample No: 11-1573-005

Date Collected: 04/19/11
Time Collected: 13:55
Date Received: 04/19/11
Date Reported: 05/09/11

Analyte		Result	R.L.	Units	Flags
Ammonia (as N)	**Method: 350.1R2.0**				
Analysis Date: 04/21/11					
Ammonia (as N)		< 0.10	0.10	mg/L	
BOD, 5 Day	**Method: 5210B**				
Analysis Date: 04/20/11					
BOD, 5 Day		1	1	mg/L	
Chloride	**Method: 4500Cl, E**				
Analysis Date: 04/21/11					
Chloride		80	5	mg/L	
Chloride, Dissolved	**Method: 4500Cl, E**				
Analysis Date: 04/21/11					
Chloride, Dissolved		81	5	mg/L	
COD	**Method: 5220D**				
Analysis Date: 04/25/11					
COD		17	10	mg/L	
Cyanide, Total	**Method: 335.4R1.0**				
Analysis Date: 04/21/11					
Cyanide, Total		< 0.005	0.005	mg/L	
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**				
Analysis Date: 04/21/11					
Nitrate + Nitrite (as N)		< 0.10	0.10	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**				
Analysis Date: 04/21/11					
Nitrate (as N) Dissolved		< 0.10	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**				
Analysis Date: 04/20/11					
Sulfate, Dissolved		334	15	mg/L	
Total Dissolved Solids	**Method: 2540C**				
Analysis Date: 04/25/11					
Total Dissolved Solids		1,340	10	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**				
Analysis Date: 04/20/11					
Acetone		< 100	100	ug/L	
Benzene		< 5.0	5.0	ug/L	
Bromodichloromethane		< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: 6809.04 Mallard
Sample ID: GP-6
Sample No: 11-1573-005

Date Collected: 04/19/11
Time Collected: 13:55
Date Received: 04/19/11
Date Reported: 05/09/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/20/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/22/11		Preparation Date: 04/21/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: 6809.04 Mallard
Sample ID: GP-6
Sample No: 11-1573-005

Date Collected: 04/19/11
Time Collected: 13:55
Date Received: 04/19/11
Date Reported: 05/09/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/22/11		Preparation Date: 04/21/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: 6809.04 Mallard
Sample ID: GP-6
Sample No: 11-1573-005

Date Collected: 04/19/11
Time Collected: 13:55
Date Received: 04/19/11
Date Reported: 05/09/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C** Analysis Date: 04/22/11		**Preparation Method 3510C** Preparation Date: 04/21/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C** Analysis Date: 04/22/11		**Preparation Method 3510C** Preparation Date: 04/21/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: 6809.04 Mallard
Sample ID: GP-6
Sample No: 11-1573-005

Date Collected: 04/19/11
Time Collected: 13:55
Date Received: 04/19/11
Date Reported: 05/09/11

Analyte		Result	R.L.	Units	Flags
Total Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 04/21/11			Preparation Date: 04/21/11		
Arsenic		< 0.002	0.002	mg/L	
Barium		0.084	0.001	mg/L	
Cadmium		< 0.001	0.001	mg/L	
Chromium		< 0.001	0.001	mg/L	
Lead		< 0.002	0.002	mg/L	
Selenium		< 0.002	0.002	mg/L	
Silver		< 0.001	0.001	mg/L	
Total Metals	**Method: 7470A**				
Analysis Date: 04/25/11					
Mercury		< 0.0005	0.0005	mg/L	
Dissolved Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 04/25/11			Preparation Date: 04/25/11		
Arsenic, diss.		< 0.002	0.002	mg/L	
Barium, diss.		0.052	0.001	mg/L	
Cadmium, diss.		< 0.001	0.001	mg/L	
Chromium, diss.		< 0.001	0.001	mg/L	
Lead, diss.		< 0.002	0.002	mg/L	
Selenium, diss.		< 0.002	0.002	mg/L	
Silver, diss.		< 0.001	0.001	mg/L	
Boron, diss.		0.05	0.01	mg/L	
Magnesium, diss.		140	0.1	mg/L	
Zinc, diss.		< 0.005	0.005	mg/L	
Dissolved Metals	**Method: 7470A**				
Analysis Date: 04/20/11					
Mercury, diss.		< 0.0005	0.0005	mg/L	
Dissolved Gases	**Method: RSK175**				
Analysis Date: 04/26/11					
Methane		< 2.0	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: 6809.04 Mallard
Sample ID: Trip Blank # 1
Sample No: 11-1573-006

Date Collected:
Time Collected:
Date Received: 04/19/11
Date Reported: 05/09/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds	**Method: 5030B/8260B**			
Analysis Date: 04/20/11				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: 6809.04 Mallard
Sample ID: Trip Blank # 2
Sample No: 11-1573-007

Date Collected:
Time Collected:
Date Received: 04/19/11
Date Reported: 05/09/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds	**Method: 5030B/8260B**			
Analysis Date: 04/20/11				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	

CHAIN OF CUSTODY RECORD

Page____ of ____ pgs

First Environmental Laboratories, Inc.

First Environmental Laboratories
1600 Shore Road, Suite D
Naperville, Illinois 60563
Phone: (630) 778-1200 • Fax: (630) 778-1233
E-mail: firstinfo@firstenv.com
IEPA Certification #100292

Company Name: RMT, INC
Street Address: 744 Heartland Trail
City: Madison State: WI Zip: 53717
Phone: 608-831-4444 Fax: e-mail:
Send Report To: T. Koch / N. Keller Via: Fax ☐ e-mail ☐
Sampled By: N. Keller / T. O'Connell / / J. Paper

Project I.D.: 6509.04
P.O. #.:

Matrix Codes: S = Soil W = Water O = Other

Analyses

Date/Time Taken	Sample Description	Matrix	Methane	VOCs	Dis. Metals	dis. Chloride & Sulfate	dis. Nitrate	SVOCs / PAHs	Total Metals	Nitrate / Nitrites Ammonia & COD Total Chloride TDS & BOD	Cyanide	Comments	Lab I.D.
4/18/11 1205	GP-16B	W	X	X	X	X	X	X	X				11-1573-001
1310	GP-29B		X	X	X	X	X	X	X	X	X	X	002
1425	GP-21B		X	X	X	X	X	X	X	X	X		003
4/19/11 1210	GP-37A		X	X	X	X	X	X	X	X	X	X	004
1355	GP-6		X	X	X	X	X	X	X	X	X	X	005
	Trip Blank #1			X									006
	#2			X									007

FOR LAB USE ONLY:

Cooler Temperature: 0.1-6ºC Yes X No.__ _____ºC
Received within 6 hrs. of collection:_____
Ice Present: Yes X No__

Sample Refrigerated: Yes__ No__
Refrigerator Temperature:_____ºC
5035 Vials Frozen: Yes__ No__
Freezer Temperature:_____ºC

Containers Received Preserved: ☐ Yes ☐ No
Need to meet: IL. TACO ☐ IN. RISC ☐

Notes and Special Instructions:

Relinquished By: [signature] Date/Time 4/19/11 1430 Received By: [signature] Date/Time 4/19/11 1500
Relinquished By: Date/Time Received By: Date/Time

Rev. 9/08

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

May 09, 2011

Mr. Jason Schoephoester
RMT, INC.
744 Heartland Trail
Madison, WI 53717

Project ID: 6809.04 - Mallard North Landfill
First Environmental File ID: 11-1593
Date Received: April 20, 2011

Dear Mr. Jason Schoephoester:

The above referenced project was analyzed as directed on the enclosed chain of custody record.

All Quality Control criteria as outlined in the methods and current IL ELAP/NELAP have been met unless otherwise noted. QA/QC documentation and raw data will remain on file for future reference. Our accreditation number is 100292 and our current certificate is number 002687: effective 03/01/2011 through 02/28/2012.

I thank you for the opportunity to be of service to you and look forward to working with you again in the future. Should you have any questions regarding any of the enclosed analytical data or need additional information, please contact me at (630) 778-1200.

Sincerely,

Stan Zaworski
Project Manager

First Environmental Laboratories, Inc.

IL ELAP / NELAC Accreditation # 100292

1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Case Narrative

RMT, INC.

Project ID: **6809.04 - Mallard North Landfill**

First Environmental File ID: **11-1593**

Date Received: **April 20, 2011**

Flag	Description	Flag	Description
<	Analyte not detected at or above the reporting limit.	L+	LCS recovery outside control limits; high bias.
B	Analyte detected in associated method blank.	L-	LCS recovery outside control limits; low bias.
C	Identification confirmed by GC/MS.	M	MS recovery outside control limits; LCS acceptable.
D	Surrogates diluted out; recovery not available.	M+	MS recovery outside control limits high bias; LCS acceptable.
E	Estimated result; concentration exceeds calibration range.	M-	MS recovery outside control limits low bias; LCS acceptable.
F	Field measurement.	N	Analyte is not part of our NELAC accreditation.
		ND	Analyte was not detected using a library search routine; No calibration standard was analyzed.
G	Surrogate recovery outside control limits; matrix effect.	P	Chemical preservation pH adjusted in lab.
H	Analysis or extraction holding time exceeded.	Q	The analyte was determined by a GC/MS database search.
J	Estimated result; concentration is less than calib range.	S	Analyte was sub-contracted to another laboratory for analysis.
K	RPD outside control limits.	T	Sample temperature upon receipt exceeded 0-6°C
RL	Routine Reporting Limit (Lowest amount that can be detected when routine weights/volumes are used without dilution.)	W	Reporting limit elevated due to sample matrix.

All quality control criteria, as outlined in the methods, have been met except as noted below or on the following analytical report.

Sample Batch Comments:

Sample acceptance criteria were met.

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: 6809.04 - Mallard North Landfill
Sample ID: G-109
Sample No: 11-1593-001

Date Collected: 04/19/11
Time Collected: 16:35
Date Received: 04/20/11
Date Reported: 05/09/11

Analyte		Result	R.L.	Units	Flags
Ammonia (as N)	**Method: 350.1R2.0**				
Analysis Date: 04/29/11					
Ammonia (as N)		38.0	0.10	mg/L	
BOD, 5 Day	**Method: 5210B**				
Analysis Date: 04/21/11 15:30					
BOD, 5 Day		24	1	mg/L	
Chloride	**Method: 4500Cl, E**				
Analysis Date: 04/21/11					
Chloride		670	5	mg/L	
Chloride, Dissolved	**Method: 4500Cl, E**				
Analysis Date: 04/21/11					
Chloride, Dissolved		840	5	mg/L	
COD	**Method: 5220D**				
Analysis Date: 04/25/11					
COD		140	10	mg/L	
Cyanide, Total	**Method: 335.4R1.0**				
Analysis Date: 04/21/11					
Cyanide, Total		< 0.005	0.005	mg/L	
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**				
Analysis Date: 04/25/11					
Nitrate + Nitrite (as N)		< 0.10	0.10	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**				
Analysis Date: 04/25/11					
Nitrate (as N) Dissolved		< 0.10	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**				
Analysis Date: 04/27/11					
Sulfate, Dissolved		< 15	15	mg/L	
Total Dissolved Solids	**Method: 2540C**				
Analysis Date: 04/21/11					
Total Dissolved Solids		2,880	10	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**				
Analysis Date: 04/21/11					
Acetone		< 100	100	ug/L	
Benzene		< 5.0	5.0	ug/L	
Bromodichloromethane		< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client:	RMT, INC.	**Date Collected:**	04/19/11
Project ID:	6809.04 - Mallard North Landfill	**Time Collected:**	16:35
Sample ID:	G-109	**Date Received:**	04/20/11
Sample No:	11-1593-001	**Date Reported:**	05/09/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/21/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/26/11		Preparation Date: 04/25/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client:	RMT, INC.	**Date Collected:**	04/19/11
Project ID:	6809.04 - Mallard North Landfill	**Time Collected:**	16:35
Sample ID:	G-109	**Date Received:**	04/20/11
Sample No:	11-1593-001	**Date Reported:**	05/09/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/26/11		Preparation Date: 04/25/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: 6809.04 - Mallard North Landfill
Sample ID: G-109
Sample No: 11-1593-001

Date Collected: 04/19/11
Time Collected: 16:35
Date Received: 04/20/11
Date Reported: 05/09/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/26/11		Preparation Date: 04/25/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/27/11		Preparation Date: 04/25/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client:	RMT, INC.	**Date Collected:**	04/19/11
Project ID:	6809.04 - Mallard North Landfill	**Time Collected:**	16:35
Sample ID:	G-109	**Date Received:**	04/20/11
Sample No:	11-1593-001	**Date Reported:**	05/09/11

Analyte		Result	R.L.	Units	Flags
Total Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 04/26/11			Preparation Date: 04/25/11		
Arsenic		< 0.002	0.002	mg/L	
Barium		2.30	0.001	mg/L	
Cadmium		< 0.001	0.001	mg/L	
Chromium		0.003	0.001	mg/L	
Lead		< 0.002	0.002	mg/L	
Selenium		< 0.002	0.002	mg/L	
Silver		< 0.001	0.001	mg/L	
Total Metals	**Method: 7470A**				
Analysis Date: 04/25/11					
Mercury		< 0.0005	0.0005	mg/L	
Dissolved Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 04/26/11			Preparation Date: 04/25/11		
Arsenic, diss.		< 0.002	0.002	mg/L	
Barium, diss.		2.30	0.001	mg/L	
Cadmium, diss.		< 0.001	0.001	mg/L	
Chromium, diss.		0.003	0.001	mg/L	
Lead, diss.		< 0.002	0.002	mg/L	
Selenium, diss.		< 0.002	0.002	mg/L	
Silver, diss.		< 0.001	0.001	mg/L	
Boron, diss.		1.22	0.01	mg/L	
Magnesium, diss.		184	0.1	mg/L	
Zinc, diss.		0.068	0.005	mg/L	
Dissolved Metals	**Method: 7470A**				
Analysis Date: 04/21/11					
Mercury, diss.		< 0.0005	0.0005	mg/L	
Dissolved Gases	**Method: RSK175**				
Analysis Date: 04/26/11					
Methane		2,510	2.0	ug/L	NS

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: 6809.04 - Mallard North Landfill
Sample ID: GP20
Sample No: 11-1593-002

Date Collected: 04/19/11
Time Collected: 16:15
Date Received: 04/20/11
Date Reported: 05/09/11

Analyte		Result	R.L.	Units	Flags
Ammonia (as N)	**Method: 350.1R2.0**				
Analysis Date: 04/26/11					
Ammonia (as N)		0.16	0.10	mg/L	
BOD, 5 Day	**Method: 5210B**				
Analysis Date: 04/21/11 15:30					
BOD, 5 Day		3	1	mg/L	
Chloride	**Method: 4500Cl, E**				
Analysis Date: 04/21/11					
Chloride		11	5	mg/L	
Chloride, Dissolved	**Method: 4500Cl, E**				
Analysis Date: 04/21/11					
Chloride, Dissolved		12	5	mg/L	
COD	**Method: 5220D**				
Analysis Date: 04/25/11					
COD		14	10	mg/L	
Cyanide, Total	**Method: 335.4R1.0**				
Analysis Date: 04/21/11					
Cyanide, Total		< 0.005	0.005	mg/L	
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**				
Analysis Date: 04/25/11					
Nitrate + Nitrite (as N)		0.12	0.10	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**				
Analysis Date: 04/25/11					
Nitrate (as N) Dissolved		< 0.10	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**				
Analysis Date: 05/02/11					
Sulfate, Dissolved		800	15	mg/L	
Total Dissolved Solids	**Method: 2540C**				
Analysis Date: 04/21/11					
Total Dissolved Solids		1,450	10	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**				
Analysis Date: 04/21/11					
Acetone		< 100	100	ug/L	
Benzene		< 5.0	5.0	ug/L	
Bromodichloromethane		< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client:	RMT, INC.	**Date Collected:**	04/19/11
Project ID:	6809.04 - Mallard North Landfill	**Time Collected:**	16:15
Sample ID:	GP20	**Date Received:**	04/20/11
Sample No:	11-1593-002	**Date Reported:**	05/09/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/21/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/26/11		Preparation Date: 04/25/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: 6809.04 - Mallard North Landfill
Sample ID: GP20
Sample No: 11-1593-002

Date Collected: 04/19/11
Time Collected: 16:15
Date Received: 04/20/11
Date Reported: 05/09/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/26/11		Preparation Date: 04/25/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client:	RMT, INC.	**Date Collected:**	04/19/11
Project ID:	6809.04 - Mallard North Landfill	**Time Collected:**	16:15
Sample ID:	GP20	**Date Received:**	04/20/11
Sample No:	11-1593-002	**Date Reported:**	05/09/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/26/11		Preparation Date: 04/25/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/27/11		Preparation Date: 04/25/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client:	RMT, INC.	**Date Collected:**	04/19/11
Project ID:	6809.04 - Mallard North Landfill	**Time Collected:**	16:15
Sample ID:	GP20	**Date Received:**	04/20/11
Sample No:	11-1593-002	**Date Reported:**	05/09/11

Analyte		Result	R.L.	Units	Flags
Total Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 04/26/11			Preparation Date: 04/25/11		
Arsenic		< 0.002	0.002	mg/L	
Barium		0.016	0.001	mg/L	
Cadmium		< 0.001	0.001	mg/L	
Chromium		< 0.001	0.001	mg/L	
Lead		< 0.002	0.002	mg/L	
Selenium		< 0.002	0.002	mg/L	
Silver		< 0.001	0.001	mg/L	
Total Metals	**Method: 7470A**				
Analysis Date: 04/25/11					
Mercury		< 0.0005	0.0005	mg/L	
Dissolved Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 04/26/11			Preparation Date: 04/25/11		
Arsenic, diss.		< 0.002	0.002	mg/L	
Barium, diss.		0.019	0.001	mg/L	
Cadmium, diss.		< 0.001	0.001	mg/L	
Chromium, diss.		< 0.001	0.001	mg/L	
Lead, diss.		< 0.002	0.002	mg/L	
Selenium, diss.		< 0.002	0.002	mg/L	
Silver, diss.		< 0.001	0.001	mg/L	
Boron, diss.		0.09	0.01	mg/L	
Magnesium, diss.		115	0.1	mg/L	
Zinc, diss.		< 0.005	0.005	mg/L	
Dissolved Metals	**Method: 7470A**				
Analysis Date: 04/21/11					
Mercury, diss.		< 0.0005	0.0005	mg/L	
Dissolved Gases	**Method: RSK175**				
Analysis Date: 04/26/11					
Methane		9.0	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: 6809.04 - Mallard North Landfill
Sample ID: DUP-01
Sample No: 11-1593-003

Date Collected: 04/19/11
Time Collected:
Date Received: 04/20/11
Date Reported: 05/09/11

Analyte		Result	R.L.	Units	Flags
Ammonia (as N)	**Method: 350.1R2.0**				
Analysis Date: 04/29/11					
Ammonia (as N)		38.4	0.10	mg/L	
BOD, 5 Day	**Method: 5210B**				
Analysis Date: 04/21/11 15:30					
BOD, 5 Day		19	1	mg/L	
Chloride	**Method: 4500Cl, E**				
Analysis Date: 04/21/11					
Chloride		820	5	mg/L	
Chloride, Dissolved	**Method: 4500Cl, E**				
Analysis Date: 04/21/11					
Chloride, Dissolved		830	5	mg/L	
COD	**Method: 5220D**				
Analysis Date: 04/25/11					
COD		140	10	mg/L	
Cyanide, Total	**Method: 335.4R1.0**				
Analysis Date: 04/21/11					
Cyanide, Total		< 0.005	0.005	mg/L	
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**				
Analysis Date: 04/25/11					
Nitrate + Nitrite (as N)		< 0.10	0.10	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**				
Analysis Date: 04/25/11					
Nitrate (as N) Dissolved		< 0.10	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**				
Analysis Date: 04/27/11					
Sulfate, Dissolved		< 15	15	mg/L	
Total Dissolved Solids	**Method: 2540C**				
Analysis Date: 04/21/11					
Total Dissolved Solids		2,910	10	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**				
Analysis Date: 04/21/11					
Acetone		< 100	100	ug/L	
Benzene		< 5.0	5.0	ug/L	
Bromodichloromethane		< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: 6809.04 - Mallard North Landfill
Sample ID: DUP-01
Sample No: 11-1593-003

Date Collected: 04/19/11
Time Collected:
Date Received: 04/20/11
Date Reported: 05/09/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/21/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/26/11		Preparation Date: 04/25/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: 6809.04 - Mallard North Landfill
Sample ID: DUP-01
Sample No: 11-1593-003

Date Collected: 04/19/11
Time Collected:
Date Received: 04/20/11
Date Reported: 05/09/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/26/11		Preparation Date: 04/25/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: 6809.04 - Mallard North Landfill
Sample ID: DUP-01
Sample No: 11-1593-003

Date Collected: 04/19/11
Time Collected:
Date Received: 04/20/11
Date Reported: 05/09/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/26/11		Preparation Date: 04/25/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/27/11		Preparation Date: 04/25/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: 6809.04 - Mallard North Landfill
Sample ID: DUP-01
Sample No: 11-1593-003

Date Collected: 04/19/11
Time Collected:
Date Received: 04/20/11
Date Reported: 05/09/11

Analyte	Result	R.L.	Units	Flags
Total Metals **Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 04/26/11		Preparation Date: 04/25/11		
Arsenic	< 0.002	0.002	mg/L	
Barium	2.27	0.001	mg/L	
Cadmium	< 0.001	0.001	mg/L	
Chromium	0.003	0.001	mg/L	
Lead	< 0.002	0.002	mg/L	
Selenium	< 0.002	0.002	mg/L	
Silver	< 0.001	0.001	mg/L	
Total Metals **Method: 7470A**				
Analysis Date: 04/25/11				
Mercury	< 0.0005	0.0005	mg/L	
Dissolved Metals **Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 04/26/11		Preparation Date: 04/25/11		
Arsenic, diss.	< 0.002	0.002	mg/L	
Barium, diss.	2.20	0.001	mg/L	
Cadmium, diss.	< 0.001	0.001	mg/L	
Chromium, diss.	0.003	0.001	mg/L	
Lead, diss.	< 0.002	0.002	mg/L	
Selenium, diss.	< 0.002	0.002	mg/L	
Silver, diss.	< 0.001	0.001	mg/L	
Boron, diss.	1.16	0.01	mg/L	
Magnesium, diss.	175	0.1	mg/L	
Zinc, diss.	0.049	0.005	mg/L	
Dissolved Metals **Method: 7470A**				
Analysis Date: 04/21/11				
Mercury, diss.	< 0.0005	0.0005	mg/L	
Dissolved Gases **Method: RSK175**				
Analysis Date: 04/27/11				
Methane	2,440	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: 6809.04 - Mallard North Landfill
Sample ID: G102
Sample No: 11-1593-004

Date Collected: 04/20/11
Time Collected: 10:05
Date Received: 04/20/11
Date Reported: 05/09/11

Analyte		Result	R.L.	Units	Flags
Ammonia (as N)	**Method: 350.1R2.0**				
Analysis Date: 04/26/11					
Ammonia (as N)		0.46	0.10	mg/L	
BOD, 5 Day	**Method: 5210B**				
Analysis Date: 04/21/11 15:30					
BOD, 5 Day		2	1	mg/L	
Chloride	**Method: 4500Cl, E**				
Analysis Date: 04/21/11					
Chloride		9	5	mg/L	
Chloride, Dissolved	**Method: 4500Cl, E**				
Analysis Date: 04/21/11					
Chloride, Dissolved		9	5	mg/L	
COD	**Method: 5220D**				
Analysis Date: 04/25/11					
COD		< 10	10	mg/L	
Cyanide, Total	**Method: 335.4R1.0**				
Analysis Date: 04/21/11					
Cyanide, Total		< 0.005	0.005	mg/L	
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**				
Analysis Date: 04/25/11					
Nitrate + Nitrite (as N)		1.45	0.10	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**				
Analysis Date: 04/25/11					
Nitrate (as N) Dissolved		< 0.10	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**				
Analysis Date: 04/27/11					
Sulfate, Dissolved		324	15	mg/L	
Total Dissolved Solids	**Method: 2540C**				
Analysis Date: 04/21/11					
Total Dissolved Solids		940	10	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**				
Analysis Date: 04/21/11					
Acetone		< 100	100	ug/L	
Benzene		< 5.0	5.0	ug/L	
Bromodichloromethane		< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client:	RMT, INC.	**Date Collected:**	04/20/11
Project ID:	6809.04 - Mallard North Landfill	**Time Collected:**	10:05
Sample ID:	G102	**Date Received:**	04/20/11
Sample No:	11-1593-004	**Date Reported:**	05/09/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/21/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/26/11		Preparation Date: 04/25/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: 6809.04 - Mallard North Landfill
Sample ID: G102
Sample No: 11-1593-004

Date Collected: 04/20/11
Time Collected: 10:05
Date Received: 04/20/11
Date Reported: 05/09/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/26/11		Preparation Date: 04/25/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client:	RMT, INC.	**Date Collected:**	04/20/11
Project ID:	6809.04 - Mallard North Landfill	**Time Collected:**	10:05
Sample ID:	G102	**Date Received:**	04/20/11
Sample No:	11-1593-004	**Date Reported:**	05/09/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/26/11		Preparation Date: 04/25/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/27/11		Preparation Date: 04/25/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: 6809.04 - Mallard North Landfill
Sample ID: G102
Sample No: 11-1593-004

Date Collected: 04/20/11
Time Collected: 10:05
Date Received: 04/20/11
Date Reported: 05/09/11

Analyte	Result	R.L.	Units	Flags
Total Metals **Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 04/26/11		Preparation Date: 04/25/11		
Arsenic	0.011	0.002	mg/L	
Barium	0.102	0.001	mg/L	
Cadmium	< 0.001	0.001	mg/L	
Chromium	< 0.001	0.001	mg/L	
Lead	< 0.002	0.002	mg/L	
Selenium	< 0.002	0.002	mg/L	
Silver	< 0.001	0.001	mg/L	
Total Metals **Method: 7470A**				
Analysis Date: 04/25/11				
Mercury	< 0.0005	0.0005	mg/L	
Dissolved Metals **Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 04/26/11		Preparation Date: 04/25/11		
Arsenic, diss.	< 0.002	0.002	mg/L	
Barium, diss.	0.091	0.001	mg/L	
Cadmium, diss.	< 0.001	0.001	mg/L	
Chromium, diss.	< 0.001	0.001	mg/L	
Lead, diss.	< 0.002	0.002	mg/L	
Selenium, diss.	< 0.002	0.002	mg/L	
Silver, diss.	< 0.001	0.001	mg/L	
Boron, diss.	0.17	0.01	mg/L	
Magnesium, diss.	88.7	0.1	mg/L	
Zinc, diss.	0.012	0.005	mg/L	
Dissolved Metals **Method: 7470A**				
Analysis Date: 04/21/11				
Mercury, diss.	< 0.0005	0.0005	mg/L	
Dissolved Gases **Method: RSK175**				
Analysis Date: 04/26/11				
Methane	48.8	2.0	ug/L	NS

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: 6809.04 - Mallard North Landfill
Sample ID: G105
Sample No: 11-1593-005

Date Collected: 04/20/11
Time Collected: 12:15
Date Received: 04/20/11
Date Reported: 05/09/11

Analyte	Result	R.L.	Units	Flags
Ammonia (as N) **Method: 350.1R2.0**				
Analysis Date: 04/26/11				
Ammonia (as N)	< 0.10	0.10	mg/L	
BOD, 5 Day **Method: 5210B**				
Analysis Date: 04/21/11 15:30				
BOD, 5 Day	2	1	mg/L	
Chloride **Method: 4500Cl, E**				
Analysis Date: 04/21/11				
Chloride	31	5	mg/L	
Chloride, Dissolved **Method: 4500Cl, E**				
Analysis Date: 04/21/11				
Chloride, Dissolved	29	5	mg/L	
COD **Method: 5220D**				
Analysis Date: 04/25/11				
COD	< 10	10	mg/L	
Cyanide, Total **Method: 335.4R1.0**				
Analysis Date: 04/21/11				
Cyanide, Total	< 0.005	0.005	mg/L	
Nitrate + Nitrite (as N) **Method: 353.2R2.0**				
Analysis Date: 04/25/11				
Nitrate + Nitrite (as N)	0.12	0.10	mg/L	
Nitrate (as N), Dissolved **Method: 353.2R2.0**				
Analysis Date: 04/25/11				
Nitrate (as N) Dissolved	0.12	0.10	mg/L	
Sulfate, Dissolved **Method: 375.2R2.0**				
Analysis Date: 04/27/11				
Sulfate, Dissolved	76	15	mg/L	
Total Dissolved Solids **Method: 2540C**				
Analysis Date: 04/21/11				
Total Dissolved Solids	574	10	mg/L	
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/21/11				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: 6809.04 - Mallard North Landfill
Sample ID: G105
Sample No: 11-1593-005

Date Collected: 04/20/11
Time Collected: 12:15
Date Received: 04/20/11
Date Reported: 05/09/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/21/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/26/11		Preparation Date: 04/25/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: 6809.04 - Mallard North Landfill
Sample ID: G105
Sample No: 11-1593-005

Date Collected: 04/20/11
Time Collected: 12:15
Date Received: 04/20/11
Date Reported: 05/09/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/26/11		Preparation Date: 04/25/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client:	RMT, INC.	**Date Collected:**	04/20/11
Project ID:	6809.04 - Mallard North Landfill	**Time Collected:**	12:15
Sample ID:	G105	**Date Received:**	04/20/11
Sample No:	11-1593-005	**Date Reported:**	05/09/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/26/11		Preparation Date: 04/25/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/27/11		Preparation Date: 04/25/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: 6809.04 - Mallard North Landfill
Sample ID: G105
Sample No: 11-1593-005

Date Collected: 04/20/11
Time Collected: 12:15
Date Received: 04/20/11
Date Reported: 05/09/11

Analyte	Result	R.L.	Units	Flags
Total Metals **Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 04/26/11		Preparation Date: 04/25/11		
Arsenic	< 0.002	0.002	mg/L	
Barium	0.043	0.001	mg/L	
Cadmium	< 0.001	0.001	mg/L	
Chromium	< 0.001	0.001	mg/L	
Lead	< 0.002	0.002	mg/L	
Selenium	< 0.002	0.002	mg/L	
Silver	< 0.001	0.001	mg/L	
Total Metals **Method: 7470A**				
Analysis Date: 04/25/11				
Mercury	< 0.0005	0.0005	mg/L	
Dissolved Metals **Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 04/26/11		Preparation Date: 04/25/11		
Arsenic, diss.	< 0.002	0.002	mg/L	
Barium, diss.	0.045	0.001	mg/L	
Cadmium, diss.	< 0.001	0.001	mg/L	
Chromium, diss.	< 0.001	0.001	mg/L	
Lead, diss.	< 0.002	0.002	mg/L	
Selenium, diss.	< 0.002	0.002	mg/L	
Silver, diss.	< 0.001	0.001	mg/L	
Boron, diss.	0.09	0.01	mg/L	
Magnesium, diss.	56.9	0.1	mg/L	
Zinc, diss.	0.009	0.005	mg/L	
Dissolved Metals **Method: 7470A**				
Analysis Date: 04/21/11				
Mercury, diss.	< 0.0005	0.0005	mg/L	
Dissolved Gases **Method: RSK175**				
Analysis Date: 04/26/11				
Methane	< 2.0	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client:	RMT, INC.	**Date Collected:**	04/20/11
Project ID:	6809.04 - Mallard North Landfill	**Time Collected:**	10:55
Sample ID:	G103	**Date Received:**	04/20/11
Sample No:	11-1593-006	**Date Reported:**	05/09/11

Analyte		Result	R.L.	Units	Flags
Ammonia (as N)	**Method: 350.1R2.0**				
Analysis Date: 04/26/11					
Ammonia (as N)		< 0.10	0.10	mg/L	
BOD, 5 Day	**Method: 5210B**				
Analysis Date: 04/21/11 15:30					
BOD, 5 Day		2	1	mg/L	
Chloride	**Method: 4500Cl, E**				
Analysis Date: 04/21/11					
Chloride		7	5	mg/L	
Chloride, Dissolved	**Method: 4500Cl, E**				
Analysis Date: 04/21/11					
Chloride, Dissolved		7	5	mg/L	
COD	**Method: 5220D**				
Analysis Date: 04/25/11					
COD		< 10	10	mg/L	
Cyanide, Total	**Method: 335.4R1.0**				
Analysis Date: 04/21/11					
Cyanide, Total		< 0.005	0.005	mg/L	
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**				
Analysis Date: 04/25/11					
Nitrate + Nitrite (as N)		< 0.10	0.10	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**				
Analysis Date: 04/25/11					
Nitrate (as N) Dissolved		< 0.10	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**				
Analysis Date: 04/27/11					
Sulfate, Dissolved		75	15	mg/L	
Total Dissolved Solids	**Method: 2540C**				
Analysis Date: 04/21/11					
Total Dissolved Solids		541	10	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**				
Analysis Date: 04/21/11					
Acetone		< 100	100	ug/L	
Benzene		< 5.0	5.0	ug/L	
Bromodichloromethane		< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client:	RMT, INC.	**Date Collected:**	04/20/11
Project ID:	6809.04 - Mallard North Landfill	**Time Collected:**	10:55
Sample ID:	G103	**Date Received:**	04/20/11
Sample No:	11-1593-006	**Date Reported:**	05/09/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/21/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/26/11		Preparation Date: 04/25/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: 6809.04 - Mallard North Landfill
Sample ID: G103
Sample No: 11-1593-006

Date Collected: 04/20/11
Time Collected: 10:55
Date Received: 04/20/11
Date Reported: 05/09/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/26/11		Preparation Date: 04/25/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client:	RMT, INC.	**Date Collected:**	04/20/11
Project ID:	6809.04 - Mallard North Landfill	**Time Collected:**	10:55
Sample ID:	G103	**Date Received:**	04/20/11
Sample No:	11-1593-006	**Date Reported:**	05/09/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/26/11		Preparation Date: 04/25/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/27/11		Preparation Date: 04/25/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client:	RMT, INC.	**Date Collected:**	04/20/11
Project ID:	6809.04 - Mallard North Landfill	**Time Collected:**	10:55
Sample ID:	G103	**Date Received:**	04/20/11
Sample No:	11-1593-006	**Date Reported:**	05/09/11

Analyte		Result	R.L.	Units	Flags
Total Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 04/26/11			Preparation Date: 04/25/11		
Arsenic		< 0.002	0.002	mg/L	
Barium		0.047	0.001	mg/L	
Cadmium		< 0.001	0.001	mg/L	
Chromium		< 0.001	0.001	mg/L	
Lead		< 0.002	0.002	mg/L	
Selenium		< 0.002	0.002	mg/L	
Silver		< 0.001	0.001	mg/L	
Total Metals	**Method: 7470A**				
Analysis Date: 04/25/11					
Mercury		< 0.0005	0.0005	mg/L	
Dissolved Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 04/26/11			Preparation Date: 04/25/11		
Arsenic, diss.		< 0.002	0.002	mg/L	
Barium, diss.		0.043	0.001	mg/L	
Cadmium, diss.		< 0.001	0.001	mg/L	
Chromium, diss.		< 0.001	0.001	mg/L	
Lead, diss.		< 0.002	0.002	mg/L	
Selenium, diss.		< 0.002	0.002	mg/L	
Silver, diss.		< 0.001	0.001	mg/L	
Boron, diss.		0.07	0.01	mg/L	
Magnesium, diss.		54.0	0.1	mg/L	
Zinc, diss.		0.087	0.005	mg/L	
Dissolved Metals	**Method: 7470A**				
Analysis Date: 04/21/11					
Mercury, diss.		< 0.0005	0.0005	mg/L	
Dissolved Gases	**Method: RSK175**				
Analysis Date: 04/26/11					
Methane		< 2.0	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: 6809.04 - Mallard North Landfill
Sample ID: DUP-02
Sample No: 11-1593-007

Date Collected: 04/20/11
Time Collected:
Date Received: 04/20/11
Date Reported: 05/09/11

Analyte		Result	R.L.	Units	Flags
Ammonia (as N)	**Method: 350.1R2.0**				
Analysis Date: 04/29/11					
Ammonia (as N)		0.29	0.10	mg/L	
BOD, 5 Day	**Method: 5210B**				
Analysis Date: 04/21/11 15:30					
BOD, 5 Day		1	1	mg/L	
Chloride	**Method: 4500Cl, E**				
Analysis Date: 04/21/11					
Chloride		8	5	mg/L	
Chloride, Dissolved	**Method: 4500Cl, E**				
Analysis Date: 04/21/11					
Chloride, Dissolved		8	5	mg/L	
COD	**Method: 5220D**				
Analysis Date: 04/25/11					
COD		< 10	10	mg/L	
Cyanide, Total	**Method: 335.4R1.0**				
Analysis Date: 04/21/11					
Cyanide, Total		< 0.005	0.005	mg/L	
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**				
Analysis Date: 04/25/11					
Nitrate + Nitrite (as N)		< 0.10	0.10	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**				
Analysis Date: 04/25/11					
Nitrate (as N) Dissolved		< 0.10	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**				
Analysis Date: 05/02/11					
Sulfate, Dissolved		358	15	mg/L	
Total Dissolved Solids	**Method: 2540C**				
Analysis Date: 04/21/11					
Total Dissolved Solids		1,070	10	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**				
Analysis Date: 04/21/11					
Acetone		< 100	100	ug/L	
Benzene		< 5.0	5.0	ug/L	
Bromodichloromethane		< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: 6809.04 - Mallard North Landfill
Sample ID: DUP-02
Sample No: 11-1593-007

Date Collected: 04/20/11
Time Collected:
Date Received: 04/20/11
Date Reported: 05/09/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/21/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/26/11		Preparation Date: 04/25/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: 6809.04 - Mallard North Landfill
Sample ID: DUP-02
Sample No: 11-1593-007

Date Collected: 04/20/11
Time Collected:
Date Received: 04/20/11
Date Reported: 05/09/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/26/11		Preparation Date: 04/25/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client:	RMT, INC.	**Date Collected:**	04/20/11
Project ID:	6809.04 - Mallard North Landfill	**Time Collected:**	
Sample ID:	DUP-02	**Date Received:**	04/20/11
Sample No:	11-1593-007	**Date Reported:**	05/09/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/26/11		Preparation Date: 04/25/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/27/11		Preparation Date: 04/25/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client:	RMT, INC.	**Date Collected:**	04/20/11
Project ID:	6809.04 - Mallard North Landfill	**Time Collected:**	
Sample ID:	DUP-02	**Date Received:**	04/20/11
Sample No:	11-1593-007	**Date Reported:**	05/09/11

Analyte		Result	R.L.	Units	Flags
Total Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 04/26/11			Preparation Date: 04/25/11		
Arsenic		0.010	0.002	mg/L	
Barium		0.115	0.001	mg/L	
Cadmium		< 0.001	0.001	mg/L	
Chromium		< 0.001	0.001	mg/L	
Lead		< 0.002	0.002	mg/L	
Selenium		< 0.002	0.002	mg/L	
Silver		< 0.001	0.001	mg/L	
Total Metals	**Method: 7470A**				
Analysis Date: 04/25/11					
Mercury		< 0.0005	0.0005	mg/L	
Dissolved Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 04/26/11			Preparation Date: 04/25/11		
Arsenic, diss.		< 0.002	0.002	mg/L	
Barium, diss.		0.089	0.001	mg/L	
Cadmium, diss.		< 0.001	0.001	mg/L	
Chromium, diss.		< 0.001	0.001	mg/L	
Lead, diss.		< 0.002	0.002	mg/L	
Selenium, diss.		< 0.002	0.002	mg/L	
Silver, diss.		< 0.001	0.001	mg/L	
Boron, diss.		0.16	0.01	mg/L	
Magnesium, diss.		90.7	0.1	mg/L	
Zinc, diss.		< 0.005	0.005	mg/L	
Dissolved Metals	**Method: 7470A**				
Analysis Date: 04/21/11					
Mercury, diss.		< 0.0005	0.0005	mg/L	
Dissolved Gases	**Method: RSK175**				
Analysis Date: 04/26/11					
Methane		37.4	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: 6809.04 - Mallard North Landfill
Sample ID: DUP-03
Sample No: 11-1593-008

Date Collected: 04/20/11
Time Collected:
Date Received: 04/20/11
Date Reported: 05/09/11

Analyte	Result	R.L.	Units	Flags
Ammonia (as N) **Method: 350.1R2.0**				
Analysis Date: 04/26/11				
Ammonia (as N)	< 0.10	0.10	mg/L	
BOD, 5 Day **Method: 5210B**				
Analysis Date: 04/21/11 15:30				
BOD, 5 Day	1	1	mg/L	
Chloride **Method: 4500Cl, E**				
Analysis Date: 04/21/11				
Chloride	6	5	mg/L	
Chloride, Dissolved **Method: 4500Cl, E**				
Analysis Date: 04/21/11				
Chloride, Dissolved	6	5	mg/L	
COD **Method: 5220D**				
Analysis Date: 04/25/11				
COD	< 10	10	mg/L	
Cyanide, Total **Method: 335.4R1.0**				
Analysis Date: 04/21/11				
Cyanide, Total	< 0.005	0.005	mg/L	
Nitrate + Nitrite (as N) **Method: 353.2R2.0**				
Analysis Date: 04/25/11				
Nitrate + Nitrite (as N)	< 0.10	0.10	mg/L	
Nitrate (as N), Dissolved **Method: 353.2R2.0**				
Analysis Date: 04/25/11				
Nitrate (as N) Dissolved	< 0.10	0.10	mg/L	
Sulfate, Dissolved **Method: 375.2R2.0**				
Analysis Date: 04/27/11				
Sulfate, Dissolved	75	15	mg/L	
Total Dissolved Solids **Method: 2540C**				
Analysis Date: 04/21/11				
Total Dissolved Solids	546	10	mg/L	
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/22/11				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: 6809.04 - Mallard North Landfill
Sample ID: DUP-03
Sample No: 11-1593-008

Date Collected: 04/20/11
Time Collected:
Date Received: 04/20/11
Date Reported: 05/09/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/22/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/26/11		Preparation Date: 04/25/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client:	RMT, INC.	**Date Collected:**	04/20/11
Project ID:	6809.04 - Mallard North Landfill	**Time Collected:**	
Sample ID:	DUP-03	**Date Received:**	04/20/11
Sample No:	11-1593-008	**Date Reported:**	05/09/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/26/11		Preparation Date: 04/25/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: 6809.04 - Mallard North Landfill
Sample ID: DUP-03
Sample No: 11-1593-008

Date Collected: 04/20/11
Time Collected:
Date Received: 04/20/11
Date Reported: 05/09/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/26/11		Preparation Date: 04/25/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/27/11		Preparation Date: 04/25/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: 6809.04 - Mallard North Landfill
Sample ID: DUP-03
Sample No: 11-1593-008

Date Collected: 04/20/11
Time Collected:
Date Received: 04/20/11
Date Reported: 05/09/11

Analyte		Result	R.L.	Units	Flags
Total Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 04/26/11			Preparation Date: 04/25/11		
Arsenic		< 0.002	0.002	mg/L	
Barium		0.048	0.001	mg/L	
Cadmium		< 0.001	0.001	mg/L	
Chromium		< 0.001	0.001	mg/L	
Lead		< 0.002	0.002	mg/L	
Selenium		< 0.002	0.002	mg/L	
Silver		< 0.001	0.001	mg/L	
Total Metals	**Method: 7470A**				
Analysis Date: 04/25/11					
Mercury		< 0.0005	0.0005	mg/L	
Dissolved Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 04/26/11			Preparation Date: 04/25/11		
Arsenic, diss.		< 0.002	0.002	mg/L	
Barium, diss.		0.046	0.001	mg/L	
Cadmium, diss.		< 0.001	0.001	mg/L	
Chromium, diss.		< 0.001	0.001	mg/L	
Lead, diss.		< 0.002	0.002	mg/L	
Selenium, diss.		< 0.002	0.002	mg/L	
Silver, diss.		< 0.001	0.001	mg/L	
Boron, diss.		0.07	0.01	mg/L	
Magnesium, diss.		57.7	0.1	mg/L	
Zinc, diss.		0.099	0.005	mg/L	
Dissolved Metals	**Method: 7470A**				
Analysis Date: 04/21/11					
Mercury, diss.		< 0.0005	0.0005	mg/L	
Dissolved Gases	**Method: RSK175**				
Analysis Date: 04/26/11					
Methane		< 2.0	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: 6809.04 - Mallard North Landfill
Sample ID: P-117B
Sample No: 11-1593-009

Date Collected: 04/20/11
Time Collected: 10:20
Date Received: 04/20/11
Date Reported: 05/09/11

Analyte		Result	R.L.	Units	Flags
Ammonia (as N)	**Method: 350.1R2.0**				
Analysis Date: 04/26/11					
Ammonia (as N)		2.64	0.10	mg/L	
BOD, 5 Day	**Method: 5210B**				
Analysis Date: 04/21/11 15:30					
BOD, 5 Day		2	1	mg/L	
Chloride	**Method: 4500Cl, E**				
Analysis Date: 04/21/11					
Chloride		16	5	mg/L	
Chloride, Dissolved	**Method: 4500Cl, E**				
Analysis Date: 04/21/11					
Chloride, Dissolved		14	5	mg/L	
COD	**Method: 5220D**				
Analysis Date: 04/25/11					
COD		< 10	10	mg/L	
Cyanide, Total	**Method: 335.4R1.0**				
Analysis Date: 04/21/11					
Cyanide, Total		< 0.005	0.005	mg/L	
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**				
Analysis Date: 04/25/11					
Nitrate + Nitrite (as N)		< 0.10	0.10	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**				
Analysis Date: 04/25/11					
Nitrate (as N) Dissolved		< 0.10	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**				
Analysis Date: 04/27/11					
Sulfate, Dissolved		1,130	15	mg/L	
Total Dissolved Solids	**Method: 2540C**				
Analysis Date: 04/21/11					
Total Dissolved Solids		1,720	10	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**				
Analysis Date: 04/22/11					
Acetone		< 100	100	ug/L	
Benzene		< 5.0	5.0	ug/L	
Bromodichloromethane		< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: 6809.04 - Mallard North Landfill
Sample ID: P-117B
Sample No: 11-1593-009

Date Collected: 04/20/11
Time Collected: 10:20
Date Received: 04/20/11
Date Reported: 05/09/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/22/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/26/11		Preparation Date: 04/25/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: 6809.04 - Mallard North Landfill
Sample ID: P-117B
Sample No: 11-1593-009

Date Collected: 04/20/11
Time Collected: 10:20
Date Received: 04/20/11
Date Reported: 05/09/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/26/11		Preparation Date: 04/25/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: 6809.04 - Mallard North Landfill
Sample ID: P-117B
Sample No: 11-1593-009

Date Collected: 04/20/11
Time Collected: 10:20
Date Received: 04/20/11
Date Reported: 05/09/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C** Analysis Date: 04/26/11		**Preparation Method 3510C** Preparation Date: 04/25/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C** Analysis Date: 04/27/11		**Preparation Method 3510C** Preparation Date: 04/25/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: 6809.04 - Mallard North Landfill
Sample ID: P-117B
Sample No: 11-1593-009

Date Collected: 04/20/11
Time Collected: 10:20
Date Received: 04/20/11
Date Reported: 05/09/11

Analyte	Result	R.L.	Units	Flags
Total Metals **Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 04/26/11		Preparation Date: 04/25/11		
Arsenic	0.011	0.002	mg/L	
Barium	0.020	0.001	mg/L	
Cadmium	< 0.001	0.001	mg/L	
Chromium	< 0.001	0.001	mg/L	
Lead	< 0.002	0.002	mg/L	
Selenium	< 0.002	0.002	mg/L	
Silver	< 0.001	0.001	mg/L	
Total Metals **Method: 7470A**				
Analysis Date: 04/25/11				
Mercury	< 0.0005	0.0005	mg/L	
Dissolved Metals **Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 04/26/11		Preparation Date: 04/25/11		
Arsenic, diss.	0.009	0.002	mg/L	
Barium, diss.	0.010	0.001	mg/L	
Cadmium, diss.	< 0.001	0.001	mg/L	
Chromium, diss.	< 0.001	0.001	mg/L	
Lead, diss.	< 0.002	0.002	mg/L	
Selenium, diss.	< 0.002	0.002	mg/L	
Silver, diss.	< 0.001	0.001	mg/L	
Boron, diss.	0.80	0.01	mg/L	
Magnesium, diss.	72.8	0.1	mg/L	
Zinc, diss.	< 0.005	0.005	mg/L	
Dissolved Metals **Method: 7470A**				
Analysis Date: 04/21/11				
Mercury, diss.	< 0.0005	0.0005	mg/L	
Dissolved Gases **Method: RSK175**				
Analysis Date: 04/26/11				
Methane	64.8	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: 6809.04 - Mallard North Landfill
Sample ID: Trip Blank
Sample No: 11-1593-010

Date Collected:
Time Collected:
Date Received: 04/20/11
Date Reported: 05/09/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/21/11				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	

CHAIN OF CUSTODY RECORD

Page____ of ____ pgs

First Environmental Laboratories, Inc.

First Environmental Laboratories
1600 Shore Road, Suite D
Naperville, Illinois 60563
Phone: (630) 778-1200 • Fax: (630) 778-1233
E-mail: firstinfo@firstenv.com
IEPA Certification #100292

Company Name: RMT INC
Street Address: 744 Heartland Trail
City: Madison State: WI Zip: 53717
Phone: 608-831-4444 Fax: e-mail:
Send Report To: T. Koch / N. Keller Via: Fax ☐ e-mail ☐
Sampled By: N. Keller / T. O'Donnell / J. Paper

Project I.D.: 6809.04 – Mallard North Landfill
P.O. #.:

Matrix Codes: S = Soil W = Water O = Other

Analyses

Date/Time Taken	Sample Description	Matrix	Methane	VOCs	Dis. Metals	Dis. Chloride & Sulfate	Dis. Nitrate	SVOCs / PAH	Total Metals	Nitrates/Nitrites Ammonia & BOD	Total Chloride TDS & BOD	Cyanide	Comments	Lab I.D.
4/19/11 1635	G-109	W	X	X	X	X	X	X	X	X	X	X		001
1615	GP-20													002
	Dup-01													003
4/20/11 1005	G-102													004
1145	G-~~106~~ 105 per N. Keller 4/21/11													005
1055	G-103													006
	Dup-02													007
	Dup-03													008
1020	P-117B													009
	Trip Blank (MSK)													010

11-1593-

FOR LAB USE ONLY:

Cooler Temperature: 0.1-6ºC Yes X No.__ _____ºC
Received within 6 hrs. of collection:_____
Ice Present: Yes X No__

Sample Refrigerated: Yes__ No__
Refrigerator Temperature:_____ºC
5035 Vials Frozen: Yes__ No__
Freezer Temperature:_____ºC

Containers Received Preserved: ☐ Yes ☐ No
Need to meet: IL. TACO ☐ IN. RISC ☐

Notes and Special Instructions: Follow GROUNDWATER ANALYTICAL PROGRAM FOR MALLARD NORTH LANDFILL

Relinquished By: [signature] Date/Time 4/20/11 1410 Received By: [signature] Date/Time 4-20-11 1410
Relinquished By: _____ Date/Time _____ Received By: _____ Date/Time _____

Rev. 9/08

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

May 10, 2011

Mr. Jason Schoephoester
RMT, INC.
744 Heartland Trail
Madison, WI 53717

Project ID: MNL GW Sampling
First Environmental File ID: 11-1632
Date Received: April 22, 2011

Dear Mr. Jason Schoephoester:

The above referenced project was analyzed as directed on the enclosed chain of custody record.

All Quality Control criteria as outlined in the methods and current IL ELAP/NELAP have been met unless otherwise noted. QA/QC documentation and raw data will remain on file for future reference. Our accreditation number is 100292 and our current certificate is number 002687: effective 03/01/2011 through 02/28/2012.

I thank you for the opportunity to be of service to you and look forward to working with you again in the future. Should you have any questions regarding any of the enclosed analytical data or need additional information, please contact me at (630) 778-1200.

Sincerely,

Stan Zaworski
Project Manager

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Case Narrative

RMT, INC.

Project ID: **MNL GW Sampling**

First Environmental File ID: **11-1632**

Date Received: **April 22, 2011**

Flag	Description	Flag	Description
<	Analyte not detected at or above the reporting limit.	L+	LCS recovery outside control limits; high bias.
B	Analyte detected in associated method blank.	L-	LCS recovery outside control limits; low bias.
C	Identification confirmed by GC/MS.	M	MS recovery outside control limits; LCS acceptable.
D	Surrogates diluted out; recovery not available.	M+	MS recovery outside control limits high bias; LCS acceptable.
E	Estimated result; concentration exceeds calibration range.	M-	MS recovery outside control limits low bias; LCS acceptable.
F	Field measurement.	N	Analyte is not part of our NELAC accreditation.
		ND	Analyte was not detected using a library search routine; No calibration standard was analyzed.
G	Surrogate recovery outside control limits; matrix effect.	P	Chemical preservation pH adjusted in lab.
H	Analysis or extraction holding time exceeded.	Q	The analyte was determined by a GC/MS database search.
J	Estimated result; concentration is less than calib range.	S	Analyte was sub-contracted to another laboratory for analysis.
K	RPD outside control limits.	T	Sample temperature upon receipt exceeded 0-6°C
RL	Routine Reporting Limit (Lowest amount that can be detected when routine weights/volumes are used without dilution.)	W	Reporting limit elevated due to sample matrix.

All quality control criteria, as outlined in the methods, have been met except as noted below or on the following analytical report.

Sample Batch Comments:

Sample acceptance criteria were met.

~~**Method Comments**~~

Lab Number	Sample ID	Comments:
11-1632-027	GP-4C	*Semi-Volatile Compounds* The reporting limits are elevated due to limited sample volume.
11-1632-027	GP-4C	*Polynuclear Aromatic Hydrocarbons* The reporting limits are elevated due to limited sample volume.

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: G-113
Sample No: 11-1632-001

Date Collected: 04/21/11
Time Collected: 11:15
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Ammonia (as N)	**Method: 350.1R2.0**			
Analysis Date: 04/29/11				
Ammonia (as N)	276	0.10	mg/L	
BOD, 5 Day	**Method: 5210B**			
Analysis Date: 04/22/11 14:00				
BOD, 5 Day	20	1	mg/L	
Chloride	**Method: 4500Cl, E**			
Analysis Date: 04/28/11				
Chloride	1,660	5	mg/L	
Chloride, Dissolved	**Method: 4500Cl, E**			
Analysis Date: 04/28/11				
Chloride, Dissolved	1,670	5	mg/L	
COD	**Method: 5220D**			
Analysis Date: 04/26/11				
COD	447	10	mg/L	
Cyanide, Total	**Method: 335.4R1.0**			
Analysis Date: 04/28/11				
Cyanide, Total	0.008	0.005	mg/L	
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**			
Analysis Date: 04/25/11				
Nitrate + Nitrite (as N)	< 0.10	0.10	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**			
Analysis Date: 04/25/11				
Nitrate (as N) Dissolved	< 0.10	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**			
Analysis Date: 04/27/11				
Sulfate, Dissolved	< 15	15	mg/L	
Total Dissolved Solids	**Method: 2540C**			
Analysis Date: 04/28/11				
Total Dissolved Solids	4,660	10	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**			
Analysis Date: 04/27/11				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: G-113
Sample No: 11-1632-001

Date Collected: 04/21/11
Time Collected: 11:15
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/27/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/27/11		Preparation Date: 04/27/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: G-113
Sample No: 11-1632-001

Date Collected: 04/21/11
Time Collected: 11:15
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/27/11		Preparation Date: 04/27/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: G-113
Sample No: 11-1632-001

Date Collected: 04/21/11
Time Collected: 11:15
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C** Analysis Date: 04/27/11		**Preparation Method 3510C** Preparation Date: 04/27/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C** Analysis Date: 04/28/11		**Preparation Method 3510C** Preparation Date: 04/27/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: G-113
Sample No: 11-1632-001

Date Collected: 04/21/11
Time Collected: 11:15
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte		Result	R.L.	Units	Flags
Total Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/02/11			Preparation Date: 05/02/11		
Arsenic		< 0.002	0.002	mg/L	
Barium		4.55	0.001	mg/L	
Cadmium		< 0.001	0.001	mg/L	
Chromium		0.006	0.001	mg/L	
Lead		< 0.002	0.002	mg/L	
Selenium		< 0.002	0.002	mg/L	
Silver		< 0.001	0.001	mg/L	
Total Metals	**Method: 7470A**				
Analysis Date: 04/27/11					
Mercury		< 0.0005	0.0005	mg/L	
Dissolved Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/02/11			Preparation Date: 05/02/11		
Arsenic, diss.		< 0.002	0.002	mg/L	
Barium, diss.		4.35	0.001	mg/L	
Cadmium, diss.		< 0.001	0.001	mg/L	
Chromium, diss.		0.005	0.001	mg/L	
Lead, diss.		< 0.002	0.002	mg/L	
Selenium, diss.		< 0.002	0.002	mg/L	
Silver, diss.		< 0.001	0.001	mg/L	
Boron, diss.		3.12	0.01	mg/L	
Magnesium, diss.		198	0.1	mg/L	
Zinc, diss.		0.005	0.005	mg/L	
Dissolved Metals	**Method: 7470A**				
Analysis Date: 04/28/11					
Mercury, diss.		< 0.0005	0.0005	mg/L	
Dissolved Gases	**Method: RSK175**				
Analysis Date: 04/29/11					
Methane		1,640	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: G-112R
Sample No: 11-1632-002

Date Collected: 04/22/11
Time Collected: 8:30
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Ammonia (as N)	**Method: 350.1R2.0**			
Analysis Date: 04/26/11				
Ammonia (as N)	0.24	0.10	mg/L	
BOD, 5 Day	**Method: 5210B**			
Analysis Date: 04/22/11 14:00				
BOD, 5 Day	4	1	mg/L	
Chloride	**Method: 4500Cl, E**			
Analysis Date: 04/28/11				
Chloride	84	5	mg/L	
Chloride, Dissolved	**Method: 4500Cl, E**			
Analysis Date: 04/28/11				
Chloride, Dissolved	84	5	mg/L	
COD	**Method: 5220D**			
Analysis Date: 04/26/11				
COD	< 10	10	mg/L	
Cyanide, Total	**Method: 335.4R1.0**			
Analysis Date: 04/28/11				
Cyanide, Total	< 0.005	0.005	mg/L	
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**			
Analysis Date: 04/25/11				
Nitrate + Nitrite (as N)	< 0.10	0.10	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**			
Analysis Date: 04/25/11				
Nitrate (as N) Dissolved	< 0.10	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**			
Analysis Date: 04/27/11				
Sulfate, Dissolved	53	15	mg/L	
Total Dissolved Solids	**Method: 2540C**			
Analysis Date: 04/28/11				
Total Dissolved Solids	578	10	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**			
Analysis Date: 04/27/11				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: G-112R
Sample No: 11-1632-002

Date Collected: 04/22/11
Time Collected: 8:30
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds	**Method: 5030B/8260B**			
Analysis Date: 04/27/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds	**Method: 8270C**	**Preparation Method 3510C**		
Analysis Date: 04/27/11		Preparation Date: 04/27/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: G-112R
Sample No: 11-1632-002

Date Collected: 04/22/11
Time Collected: 8:30
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/27/11		Preparation Date: 04/27/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: G-112R
Sample No: 11-1632-002

Date Collected: 04/22/11
Time Collected: 8:30
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/27/11		Preparation Date: 04/27/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/28/11		Preparation Date: 04/27/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: G-112R
Sample No: 11-1632-002

Date Collected: 04/22/11
Time Collected: 8:30
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte		Result	R.L.	Units	Flags
Total Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/02/11			Preparation Date: 05/02/11		
Arsenic		< 0.002	0.002	mg/L	
Barium		0.084	0.001	mg/L	
Cadmium		< 0.001	0.001	mg/L	
Chromium		< 0.001	0.001	mg/L	
Lead		< 0.002	0.002	mg/L	
Selenium		< 0.002	0.002	mg/L	
Silver		< 0.001	0.001	mg/L	
Total Metals	**Method: 7470A**				
Analysis Date: 04/27/11					
Mercury		< 0.0005	0.0005	mg/L	
Dissolved Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/02/11			Preparation Date: 05/02/11		
Arsenic, diss.		< 0.002	0.002	mg/L	
Barium, diss.		0.077	0.001	mg/L	
Cadmium, diss.		< 0.001	0.001	mg/L	
Chromium, diss.		< 0.001	0.001	mg/L	
Lead, diss.		< 0.002	0.002	mg/L	
Selenium, diss.		< 0.002	0.002	mg/L	
Silver, diss.		< 0.001	0.001	mg/L	
Boron, diss.		0.20	0.01	mg/L	
Magnesium, diss.		55.7	0.1	mg/L	
Zinc, diss.		0.060	0.005	mg/L	
Dissolved Metals	**Method: 7470A**				
Analysis Date: 04/28/11					
Mercury, diss.		< 0.0005	0.0005	mg/L	
Dissolved Gases	**Method: RSK175**				
Analysis Date: 04/29/11					
Methane		1,010	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: DUP-05
Sample No: 11-1632-003

Date Collected: 04/21/11
Time Collected:
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte		Result	R.L.	Units	Flags
Ammonia (as N)	**Method: 350.1R2.0**				
Analysis Date: 04/26/11					
Ammonia (as N)		< 0.10	0.10	mg/L	
BOD, 5 Day	**Method: 5210B**				
Analysis Date: 04/22/11 14:00					
BOD, 5 Day		3	1	mg/L	
Chloride	**Method: 4500Cl, E**				
Analysis Date: 04/28/11					
Chloride		8	5	mg/L	
Chloride, Dissolved	**Method: 4500Cl, E**				
Analysis Date: 04/28/11					
Chloride, Dissolved		8	5	mg/L	
COD	**Method: 5220D**				
Analysis Date: 04/26/11					
COD		< 10	10	mg/L	
Cyanide, Total	**Method: 335.4R1.0**				
Analysis Date: 04/28/11					
Cyanide, Total		< 0.005	0.005	mg/L	
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**				
Analysis Date: 04/29/11					
Nitrate + Nitrite (as N)		4.31	0.10	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**				
Analysis Date: 04/29/11					
Nitrate (as N) Dissolved		4.25	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**				
Analysis Date: 04/27/11					
Sulfate, Dissolved		99	15	mg/L	
Total Dissolved Solids	**Method: 2540C**				
Analysis Date: 04/28/11					
Total Dissolved Solids		564	10	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**				
Analysis Date: 04/27/11					
Acetone		< 100	100	ug/L	
Benzene		< 5.0	5.0	ug/L	
Bromodichloromethane		< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: DUP-05
Sample No: 11-1632-003

Date Collected: 04/21/11
Time Collected:
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds	**Method: 5030B/8260B**			
Analysis Date: 04/27/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds	**Method: 8270C**	**Preparation Method 3510C**		
Analysis Date: 04/27/11		Preparation Date: 04/27/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: DUP-05
Sample No: 11-1632-003

Date Collected: 04/21/11
Time Collected:
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/27/11		Preparation Date: 04/27/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: DUP-05
Sample No: 11-1632-003

Date Collected: 04/21/11
Time Collected:
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C** Analysis Date: 04/27/11		**Preparation Method 3510C** Preparation Date: 04/27/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C** Analysis Date: 04/28/11		**Preparation Method 3510C** Preparation Date: 04/27/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: DUP-05
Sample No: 11-1632-003

Date Collected: 04/21/11
Time Collected:
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte		Result	R.L.	Units	Flags
Total Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/02/11			Preparation Date: 05/02/11		
Arsenic		< 0.002	0.002	mg/L	
Barium		0.049	0.001	mg/L	
Cadmium		< 0.001	0.001	mg/L	
Chromium		< 0.001	0.001	mg/L	
Lead		< 0.002	0.002	mg/L	
Selenium		< 0.002	0.002	mg/L	
Silver		< 0.001	0.001	mg/L	
Total Metals	**Method: 7470A**				
Analysis Date: 04/27/11					
Mercury		< 0.0005	0.0005	mg/L	
Dissolved Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/02/11			Preparation Date: 05/02/11		
Arsenic, diss.		< 0.002	0.002	mg/L	
Barium, diss.		0.053	0.001	mg/L	
Cadmium, diss.		< 0.001	0.001	mg/L	
Chromium, diss.		< 0.001	0.001	mg/L	
Lead, diss.		< 0.002	0.002	mg/L	
Selenium, diss.		< 0.002	0.002	mg/L	
Silver, diss.		< 0.001	0.001	mg/L	
Boron, diss.		0.07	0.01	mg/L	
Magnesium, diss.		50.5	0.1	mg/L	
Zinc, diss.		0.035	0.005	mg/L	
Dissolved Metals	**Method: 7470A**				
Analysis Date: 04/28/11					
Mercury, diss.		< 0.0005	0.0005	mg/L	
Dissolved Gases	**Method: RSK175**				
Analysis Date: 04/29/11					
Methane		3.9	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: MW-203
Sample No: 11-1632-004

Date Collected: 04/21/11
Time Collected: 16:45
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Ammonia (as N)	**Method: 350.1R2.0**			
Analysis Date: 04/26/11				
Ammonia (as N)	< 0.10	0.10	mg/L	
BOD, 5 Day	**Method: 5210B**			
Analysis Date: 04/22/11 14:00				
BOD, 5 Day	3	1	mg/L	
Chloride	**Method: 4500Cl, E**			
Analysis Date: 04/28/11				
Chloride	8	5	mg/L	
Chloride, Dissolved	**Method: 4500Cl, E**			
Analysis Date: 04/28/11				
Chloride, Dissolved	8	5	mg/L	
COD	**Method: 5220D**			
Analysis Date: 04/26/11				
COD	< 10	10	mg/L	
Cyanide, Total	**Method: 335.4R1.0**			
Analysis Date: 04/28/11				
Cyanide, Total	< 0.005	0.005	mg/L	
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**			
Analysis Date: 04/29/11				
Nitrate + Nitrite (as N)	4.55	0.10	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**			
Analysis Date: 04/29/11				
Nitrate (as N) Dissolved	4.33	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**			
Analysis Date: 04/27/11				
Sulfate, Dissolved	136	15	mg/L	
Total Dissolved Solids	**Method: 2540C**			
Analysis Date: 04/28/11				
Total Dissolved Solids	544	10	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**			
Analysis Date: 04/27/11				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: MW-203
Sample No: 11-1632-004

Date Collected: 04/21/11
Time Collected: 16:45
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds	**Method: 5030B/8260B**			
Analysis Date: 04/27/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds	**Method: 8270C**	**Preparation Method 3510C**		
Analysis Date: 04/27/11		Preparation Date: 04/27/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: MW-203
Sample No: 11-1632-004

Date Collected: 04/21/11
Time Collected: 16:45
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/27/11		Preparation Date: 04/27/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: MW-203
Sample No: 11-1632-004

Date Collected: 04/21/11
Time Collected: 16:45
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/27/11		Preparation Date: 04/27/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/28/11		Preparation Date: 04/27/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: MW-203
Sample No: 11-1632-004

Date Collected: 04/21/11
Time Collected: 16:45
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte		Result	R.L.	Units	Flags
Total Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/02/11			Preparation Date: 05/02/11		
Arsenic		< 0.002	0.002	mg/L	
Barium		0.050	0.001	mg/L	
Cadmium		< 0.001	0.001	mg/L	
Chromium		< 0.001	0.001	mg/L	
Lead		< 0.002	0.002	mg/L	
Selenium		< 0.002	0.002	mg/L	
Silver		< 0.001	0.001	mg/L	
Total Metals	**Method: 7470A**				
Analysis Date: 04/27/11					
Mercury		< 0.0005	0.0005	mg/L	
Dissolved Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/02/11			Preparation Date: 05/02/11		
Arsenic, diss.		< 0.002	0.002	mg/L	
Barium, diss.		0.051	0.001	mg/L	
Cadmium, diss.		< 0.001	0.001	mg/L	
Chromium, diss.		< 0.001	0.001	mg/L	
Lead, diss.		< 0.002	0.002	mg/L	
Selenium, diss.		< 0.002	0.002	mg/L	
Silver, diss.		< 0.001	0.001	mg/L	
Boron, diss.		0.06	0.01	mg/L	
Magnesium, diss.		49.0	0.1	mg/L	
Zinc, diss.		0.035	0.005	mg/L	
Dissolved Metals	**Method: 7470A**				
Analysis Date: 04/28/11					
Mercury, diss.		< 0.0005	0.0005	mg/L	
Dissolved Gases	**Method: RSK175**				
Analysis Date: 04/29/11					
Methane		3.0	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: G-119
Sample No: 11-1632-005

Date Collected: 04/21/11
Time Collected: 14:40
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Ammonia (as N)	**Method: 350.1R2.0**			
Analysis Date: 04/29/11				
Ammonia (as N)	5.95	0.10	mg/L	
BOD, 5 Day	**Method: 5210B**			
Analysis Date: 04/22/11 14:00				
BOD, 5 Day	3	1	mg/L	
Chloride	**Method: 4500Cl, E**			
Analysis Date: 05/03/11				
Chloride	1,200	5	mg/L	
Chloride, Dissolved	**Method: 4500Cl, E**			
Analysis Date: 05/03/11				
Chloride, Dissolved	1,190	5	mg/L	
COD	**Method: 5220D**			
Analysis Date: 04/26/11				
COD	118	10	mg/L	
Cyanide, Total	**Method: 335.4R1.0**			
Analysis Date: 04/28/11				
Cyanide, Total	< 0.005	0.005	mg/L	
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**			
Analysis Date: 04/25/11				
Nitrate + Nitrite (as N)	< 0.10	0.10	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**			
Analysis Date: 04/25/11				
Nitrate (as N) Dissolved	< 0.10	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**			
Analysis Date: 04/27/11				
Sulfate, Dissolved	21	15	mg/L	
Total Dissolved Solids	**Method: 2540C**			
Analysis Date: 04/28/11				
Total Dissolved Solids	2,660	10	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**			
Analysis Date: 04/27/11				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: G-119
Sample No: 11-1632-005

Date Collected: 04/21/11
Time Collected: 14:40
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds	**Method: 5030B/8260B**			
Analysis Date: 04/27/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds	**Method: 8270C**	**Preparation Method 3510C**		
Analysis Date: 04/27/11		Preparation Date: 04/27/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: G-119
Sample No: 11-1632-005

Date Collected: 04/21/11
Time Collected: 14:40
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/27/11		Preparation Date: 04/27/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: G-119
Sample No: 11-1632-005

Date Collected: 04/21/11
Time Collected: 14:40
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/27/11		Preparation Date: 04/27/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/28/11		Preparation Date: 04/27/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: G-119
Sample No: 11-1632-005

Date Collected: 04/21/11
Time Collected: 14:40
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte		Result	R.L.	Units	Flags
Total Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/02/11			Preparation Date: 05/02/11		
Arsenic		0.007	0.002	mg/L	
Barium		0.472	0.001	mg/L	
Cadmium		< 0.001	0.001	mg/L	
Chromium		0.002	0.001	mg/L	
Lead		< 0.002	0.002	mg/L	
Selenium		< 0.002	0.002	mg/L	
Silver		< 0.001	0.001	mg/L	
Total Metals	**Method: 7470A**				
Analysis Date: 04/27/11					
Mercury		< 0.0005	0.0005	mg/L	
Dissolved Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/02/11			Preparation Date: 05/02/11		
Arsenic, diss.		< 0.002	0.002	mg/L	
Barium, diss.		0.404	0.001	mg/L	
Cadmium, diss.		< 0.001	0.001	mg/L	
Chromium, diss.		0.001	0.001	mg/L	
Lead, diss.		< 0.002	0.002	mg/L	
Selenium, diss.		< 0.002	0.002	mg/L	
Silver, diss.		< 0.001	0.001	mg/L	
Boron, diss.		0.29	0.01	mg/L	
Magnesium, diss.		213	0.1	mg/L	
Zinc, diss.		0.039	0.005	mg/L	
Dissolved Metals	**Method: 7470A**				
Analysis Date: 04/28/11					
Mercury, diss.		< 0.0005	0.0005	mg/L	
Dissolved Gases	**Method: RSK175**				
Analysis Date: 04/29/11					
Methane		496	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: DUP-04
Sample No: 11-1632-006

Date Collected: 04/21/11
Time Collected:
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Ammonia (as N)	**Method: 350.1R2.0**			
Analysis Date: 04/26/11				
Ammonia (as N)	< 0.10	0.10	mg/L	
BOD, 5 Day	**Method: 5210B**			
Analysis Date: 04/22/11 14:00				
BOD, 5 Day	5	1	mg/L	
Chloride	**Method: 4500Cl, E**			
Analysis Date: 04/28/11				
Chloride	6	5	mg/L	
Chloride, Dissolved	**Method: 4500Cl, E**			
Analysis Date: 04/28/11				
Chloride, Dissolved	6	5	mg/L	
COD	**Method: 5220D**			
Analysis Date: 04/26/11				
COD	< 10	10	mg/L	
Cyanide, Total	**Method: 335.4R1.0**			
Analysis Date: 04/28/11				
Cyanide, Total	< 0.005	0.005	mg/L	
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**			
Analysis Date: 04/25/11				
Nitrate + Nitrite (as N)	< 0.10	0.10	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**			
Analysis Date: 04/25/11				
Nitrate (as N) Dissolved	< 0.10	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**			
Analysis Date: 05/02/11				
Sulfate, Dissolved	505	15	mg/L	
Total Dissolved Solids	**Method: 2540C**			
Analysis Date: 04/28/11				
Total Dissolved Solids	1,160	10	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**			
Analysis Date: 04/27/11				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: DUP-04
Sample No: 11-1632-006

Date Collected: 04/21/11
Time Collected:
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/27/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/27/11		Preparation Date: 04/27/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: DUP-04
Sample No: 11-1632-006

Date Collected: 04/21/11
Time Collected:
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/27/11		Preparation Date: 04/27/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: DUP-04
Sample No: 11-1632-006

Date Collected: 04/21/11
Time Collected:
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C** Analysis Date: 04/27/11		**Preparation Method 3510C** Preparation Date: 04/27/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C** Analysis Date: 04/28/11		**Preparation Method 3510C** Preparation Date: 04/27/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: DUP-04
Sample No: 11-1632-006

Date Collected: 04/21/11
Time Collected:
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte		Result	R.L.	Units	Flags
Total Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/02/11			Preparation Date: 05/02/11		
Arsenic		< 0.002	0.002	mg/L	
Barium		0.013	0.001	mg/L	
Cadmium		< 0.001	0.001	mg/L	
Chromium		< 0.001	0.001	mg/L	
Lead		< 0.002	0.002	mg/L	
Selenium		< 0.002	0.002	mg/L	
Silver		< 0.001	0.001	mg/L	
Total Metals	**Method: 7470A**				
Analysis Date: 04/27/11					
Mercury		< 0.0005	0.0005	mg/L	
Dissolved Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/02/11			Preparation Date: 05/02/11		
Arsenic, diss.		< 0.002	0.002	mg/L	
Barium, diss.		0.016	0.001	mg/L	
Cadmium, diss.		< 0.001	0.001	mg/L	
Chromium, diss.		< 0.001	0.001	mg/L	
Lead, diss.		< 0.002	0.002	mg/L	
Selenium, diss.		< 0.002	0.002	mg/L	
Silver, diss.		< 0.001	0.001	mg/L	
Boron, diss.		0.26	0.01	mg/L	
Magnesium, diss.		94.4	0.1	mg/L	
Zinc, diss.		0.131	0.005	mg/L	
Dissolved Metals	**Method: 7470A**				
Analysis Date: 04/28/11					
Mercury, diss.		< 0.0005	0.0005	mg/L	
Dissolved Gases	**Method: RSK175**				
Analysis Date: 04/30/11					
Methane		< 2.0	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: G-118
Sample No: 11-1632-007

Date Collected: 04/21/11
Time Collected: 15:30
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Ammonia (as N)	**Method: 350.1R2.0**			
Analysis Date: 04/26/11				
Ammonia (as N)	< 0.10	0.10	mg/L	
BOD, 5 Day	**Method: 5210B**			
Analysis Date: 04/22/11 14:00				
BOD, 5 Day	2	1	mg/L	
Chloride	**Method: 4500Cl, E**			
Analysis Date: 04/28/11				
Chloride	5	5	mg/L	
Chloride, Dissolved	**Method: 4500Cl, E**			
Analysis Date: 04/28/11				
Chloride, Dissolved	< 5	5	mg/L	
COD	**Method: 5220D**			
Analysis Date: 04/26/11				
COD	< 10	10	mg/L	
Cyanide, Total	**Method: 335.4R1.0**			
Analysis Date: 04/28/11				
Cyanide, Total	< 0.005	0.005	mg/L	
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**			
Analysis Date: 04/25/11				
Nitrate + Nitrite (as N)	0.11	0.10	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**			
Analysis Date: 04/25/11				
Nitrate (as N) Dissolved	0.10	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**			
Analysis Date: 04/27/11				
Sulfate, Dissolved	620	15	mg/L	
Total Dissolved Solids	**Method: 2540C**			
Analysis Date: 04/28/11				
Total Dissolved Solids	1,170	10	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**			
Analysis Date: 04/27/11				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: G-118
Sample No: 11-1632-007

Date Collected: 04/21/11
Time Collected: 15:30
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/27/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/27/11		Preparation Date: 04/27/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: G-118
Sample No: 11-1632-007

Date Collected: 04/21/11
Time Collected: 15:30
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/27/11		Preparation Date: 04/27/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: G-118
Sample No: 11-1632-007

Date Collected: 04/21/11
Time Collected: 15:30
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C** Analysis Date: 04/27/11		**Preparation Method 3510C** Preparation Date: 04/27/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C** Analysis Date: 04/28/11		**Preparation Method 3510C** Preparation Date: 04/27/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: G-118
Sample No: 11-1632-007

Date Collected: 04/21/11
Time Collected: 15:30
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte		Result	R.L.	Units	Flags
Total Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/02/11			Preparation Date: 05/02/11		
Arsenic		< 0.002	0.002	mg/L	
Barium		0.016	0.001	mg/L	
Cadmium		< 0.001	0.001	mg/L	
Chromium		0.001	0.001	mg/L	
Lead		< 0.002	0.002	mg/L	
Selenium		< 0.002	0.002	mg/L	
Silver		< 0.001	0.001	mg/L	
Total Metals	**Method: 7470A**				
Analysis Date: 04/27/11					
Mercury		< 0.0005	0.0005	mg/L	
Dissolved Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/02/11			Preparation Date: 05/02/11		
Arsenic, diss.		< 0.002	0.002	mg/L	
Barium, diss.		0.012	0.001	mg/L	
Cadmium, diss.		< 0.001	0.001	mg/L	
Chromium, diss.		< 0.001	0.001	mg/L	
Lead, diss.		< 0.002	0.002	mg/L	
Selenium, diss.		< 0.002	0.002	mg/L	
Silver, diss.		< 0.001	0.001	mg/L	
Boron, diss.		0.25	0.01	mg/L	
Magnesium, diss.		88.7	0.1	mg/L	
Zinc, diss.		0.131	0.005	mg/L	
Dissolved Metals	**Method: 7470A**				
Analysis Date: 04/28/11					
Mercury, diss.		< 0.0005	0.0005	mg/L	
Dissolved Gases	**Method: RSK175**				
Analysis Date: 04/30/11					
Methane		< 2.0	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: FB-01
Sample No: 11-1632-008

Date Collected: 04/21/11
Time Collected: 14:30
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Ammonia (as N)	**Method: 350.1R2.0**			
Analysis Date: 04/26/11				
Ammonia (as N)	< 0.10	0.10	mg/L	
BOD, 5 Day	**Method: 5210B**			
Analysis Date: 04/22/11 14:00				
BOD, 5 Day	2	1	mg/L	
Chloride	**Method: 4500Cl, E**			
Analysis Date: 04/28/11				
Chloride	< 5	5	mg/L	
Chloride, Dissolved	**Method: 4500Cl, E**			
Analysis Date: 04/28/11				
Chloride, Dissolved	< 5	5	mg/L	
COD	**Method: 5220D**			
Analysis Date: 04/26/11				
COD	< 10	10	mg/L	
Cyanide, Total	**Method: 335.4R1.0**			
Analysis Date: 04/28/11				
Cyanide, Total	< 0.005	0.005	mg/L	
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**			
Analysis Date: 04/25/11				
Nitrate + Nitrite (as N)	< 0.10	0.10	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**			
Analysis Date: 04/25/11				
Nitrate (as N) Dissolved	< 0.10	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**			
Analysis Date: 04/27/11				
Sulfate, Dissolved	< 15	15	mg/L	
Total Dissolved Solids	**Method: 2540C**			
Analysis Date: 04/28/11				
Total Dissolved Solids	< 10	10	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**			
Analysis Date: 04/27/11				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: FB-01
Sample No: 11-1632-008

Date Collected: 04/21/11
Time Collected: 14:30
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/27/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/27/11		Preparation Date: 04/27/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: FB-01
Sample No: 11-1632-008

Date Collected: 04/21/11
Time Collected: 14:30
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/27/11		Preparation Date: 04/27/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: FB-01
Sample No: 11-1632-008

Date Collected: 04/21/11
Time Collected: 14:30
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C** Analysis Date: 04/27/11		**Preparation Method 3510C** Preparation Date: 04/27/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C** Analysis Date: 04/28/11		**Preparation Method 3510C** Preparation Date: 04/27/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: FB-01
Sample No: 11-1632-008

Date Collected: 04/21/11
Time Collected: 14:30
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte		Result	R.L.	Units	Flags
Total Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/02/11			Preparation Date: 05/02/11		
Arsenic		< 0.002	0.002	mg/L	
Barium		< 0.001	0.001	mg/L	
Cadmium		< 0.001	0.001	mg/L	
Chromium		< 0.001	0.001	mg/L	
Lead		< 0.002	0.002	mg/L	
Selenium		< 0.002	0.002	mg/L	
Silver		< 0.001	0.001	mg/L	
Total Metals	**Method: 7470A**				
Analysis Date: 04/27/11					
Mercury		< 0.0005	0.0005	mg/L	
Dissolved Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/02/11			Preparation Date: 05/02/11		
Arsenic, diss.		< 0.002	0.002	mg/L	
Barium, diss.		< 0.001	0.001	mg/L	
Cadmium, diss.		< 0.001	0.001	mg/L	
Chromium, diss.		< 0.001	0.001	mg/L	
Lead, diss.		< 0.002	0.002	mg/L	
Selenium, diss.		< 0.002	0.002	mg/L	
Silver, diss.		< 0.001	0.001	mg/L	
Boron, diss.		0.01	0.01	mg/L	
Magnesium, diss.		0.1	0.1	mg/L	
Zinc, diss.		< 0.005	0.005	mg/L	
Dissolved Metals	**Method: 7470A**				
Analysis Date: 04/28/11					
Mercury, diss.		< 0.0005	0.0005	mg/L	
Dissolved Gases	**Method: RSK175**				
Analysis Date: 04/30/11					
Methane		< 2.0	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: P-119B
Sample No: 11-1632-009

Date Collected: 04/21/11
Time Collected: 13:15
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte		Result	R.L.	Units	Flags
Ammonia (as N)	**Method: 350.1R2.0**				
Analysis Date: 04/29/11					
Ammonia (as N)		4.29	0.10	mg/L	
BOD, 5 Day	**Method: 5210B**				
Analysis Date: 04/22/11 14:00					
BOD, 5 Day		1	1	mg/L	
Chloride	**Method: 4500Cl, E**				
Analysis Date: 05/03/11					
Chloride		430	5	mg/L	
Chloride, Dissolved	**Method: 4500Cl, E**				
Analysis Date: 05/03/11					
Chloride, Dissolved		430	5	mg/L	
COD	**Method: 5220D**				
Analysis Date: 04/26/11					
COD		46	10	mg/L	
Cyanide, Total	**Method: 335.4R1.0**				
Analysis Date: 04/28/11					
Cyanide, Total		< 0.005	0.005	mg/L	
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**				
Analysis Date: 04/25/11					
Nitrate + Nitrite (as N)		< 0.10	0.10	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**				
Analysis Date: 04/25/11					
Nitrate (as N) Dissolved		< 0.10	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**				
Analysis Date: 04/27/11					
Sulfate, Dissolved		41	15	mg/L	
Total Dissolved Solids	**Method: 2540C**				
Analysis Date: 04/28/11					
Total Dissolved Solids		1,140	10	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**				
Analysis Date: 04/27/11					
Acetone		< 100	100	ug/L	
Benzene		< 5.0	5.0	ug/L	
Bromodichloromethane		< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: P-119B
Sample No: 11-1632-009

Date Collected: 04/21/11
Time Collected: 13:15
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/27/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/28/11		Preparation Date: 04/27/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: P-119B
Sample No: 11-1632-009

Date Collected: 04/21/11
Time Collected: 13:15
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/28/11		Preparation Date: 04/27/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: P-119B
Sample No: 11-1632-009

Date Collected: 04/21/11
Time Collected: 13:15
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/28/11		Preparation Date: 04/27/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/28/11		Preparation Date: 04/27/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	0.3	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: P-119B
Sample No: 11-1632-009

Date Collected: 04/21/11
Time Collected: 13:15
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Total Metals **Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/02/11		Preparation Date: 05/02/11		
Arsenic	0.026	0.002	mg/L	
Barium	0.238	0.001	mg/L	
Cadmium	< 0.001	0.001	mg/L	
Chromium	< 0.001	0.001	mg/L	
Lead	0.002	0.002	mg/L	
Selenium	< 0.002	0.002	mg/L	
Silver	< 0.001	0.001	mg/L	
Total Metals **Method: 7470A**				
Analysis Date: 04/27/11				
Mercury	< 0.0005	0.0005	mg/L	
Dissolved Metals **Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/02/11		Preparation Date: 05/02/11		
Arsenic, diss.	0.023	0.002	mg/L	
Barium, diss.	0.202	0.001	mg/L	
Cadmium, diss.	< 0.001	0.001	mg/L	
Chromium, diss.	< 0.001	0.001	mg/L	
Lead, diss.	< 0.002	0.002	mg/L	
Selenium, diss.	< 0.002	0.002	mg/L	
Silver, diss.	< 0.001	0.001	mg/L	
Boron, diss.	0.30	0.01	mg/L	
Magnesium, diss.	69.1	0.1	mg/L	
Zinc, diss.	< 0.005	0.005	mg/L	
Dissolved Metals **Method: 7470A**				
Analysis Date: 04/28/11				
Mercury, diss.	< 0.0005	0.0005	mg/L	
Dissolved Gases **Method: RSK175**				
Analysis Date: 04/30/11				
Methane	361	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: MW-202
Sample No: 11-1632-010

Date Collected: 04/22/11
Time Collected: 10:10
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Ammonia (as N)	**Method: 350.1R2.0**			
Analysis Date: 04/26/11				
Ammonia (as N)	< 0.10	0.10	mg/L	
BOD, 5 Day	**Method: 5210B**			
Analysis Date: 04/22/11 14:00				
BOD, 5 Day	2	1	mg/L	
Chloride	**Method: 4500Cl, E**			
Analysis Date: 04/28/11				
Chloride	60	5	mg/L	
Chloride, Dissolved	**Method: 4500Cl, E**			
Analysis Date: 04/28/11				
Chloride, Dissolved	60	5	mg/L	
COD	**Method: 5220D**			
Analysis Date: 04/26/11				
COD	< 10	10	mg/L	
Cyanide, Total	**Method: 335.4R1.0**			
Analysis Date: 04/28/11				
Cyanide, Total	< 0.005	0.005	mg/L	
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**			
Analysis Date: 04/25/11				
Nitrate + Nitrite (as N)	< 0.10	0.10	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**			
Analysis Date: 04/25/11				
Nitrate (as N) Dissolved	< 0.10	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**			
Analysis Date: 04/27/11				
Sulfate, Dissolved	388	15	mg/L	
Total Dissolved Solids	**Method: 2540C**			
Analysis Date: 04/28/11				
Total Dissolved Solids	1,220	10	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**			
Analysis Date: 04/27/11				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: MW-202
Sample No: 11-1632-010

Date Collected: 04/22/11
Time Collected: 10:10
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds	**Method: 5030B/8260B**			
Analysis Date: 04/27/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds	**Method: 8270C**	**Preparation Method 3510C**		
Analysis Date: 04/28/11		Preparation Date: 04/27/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: MW-202
Sample No: 11-1632-010

Date Collected: 04/22/11
Time Collected: 10:10
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/28/11		Preparation Date: 04/27/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: MW-202
Sample No: 11-1632-010

Date Collected: 04/22/11
Time Collected: 10:10
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte		Result	R.L.	Units	Flags
Semi-Volatile Compounds	**Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/28/11			Preparation Date: 04/27/11		
3 & 4-Methylphenol		< 10	10	ug/L	
2-Nitroaniline		< 50	50	ug/L	
3-Nitroaniline		< 50	50	ug/L	
4-Nitroaniline		< 20	20	ug/L	
Nitrobenzene		< 10	10	ug/L	
2-Nitrophenol		< 10	10	ug/L	
4-Nitrophenol		< 50	50	ug/L	
n-Nitrosodimethylamine		< 10	10	ug/L	
n-Nitrosodiphenylamine		< 10	10	ug/L	
n-Nitrosodi-n-propylamine		< 10	10	ug/L	
Pentachlorophenol		< 10	10	ug/L	
Phenol		< 10	10	ug/L	
1,2,4-Trichlorobenzene		< 10	10	ug/L	
2,4,5-Trichlorophenol		< 10	10	ug/L	
2,4,6-Trichlorophenol		< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons	**Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/28/11			Preparation Date: 04/27/11		
Acenaphthene		< 10	10	ug/L	
Acenaphthylene		< 10	10	ug/L	
Anthracene		< 5	5	ug/L	
Benzo(a)anthracene		< 0.13	0.13	ug/L	
Benzo(a)pyrene		< 0.2	0.2	ug/L	
Benzo(b)fluoranthene		< 0.18	0.18	ug/L	
Benzo(k)fluoranthene		< 0.17	0.17	ug/L	
Benzo(ghi)perylene		< 0.4	0.4	ug/L	
Chrysene		< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene		< 0.3	0.3	ug/L	
Fluoranthene		< 2	2	ug/L	
Fluorene		< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene		< 0.3	0.3	ug/L	
Naphthalene		< 10	10	ug/L	
Phenanthrene		< 5	5	ug/L	
Pyrene		< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: MW-202
Sample No: 11-1632-010

Date Collected: 04/22/11
Time Collected: 10:10
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte		Result	R.L.	Units	Flags
Total Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/02/11			Preparation Date: 05/02/11		
Arsenic		< 0.002	0.002	mg/L	
Barium		0.066	0.001	mg/L	
Cadmium		< 0.001	0.001	mg/L	
Chromium		0.005	0.001	mg/L	
Lead		< 0.002	0.002	mg/L	
Selenium		< 0.002	0.002	mg/L	
Silver		< 0.001	0.001	mg/L	
Total Metals	**Method: 7470A**				
Analysis Date: 04/27/11					
Mercury		< 0.0005	0.0005	mg/L	
Dissolved Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/02/11			Preparation Date: 05/02/11		
Arsenic, diss.		< 0.002	0.002	mg/L	
Barium, diss.		0.061	0.001	mg/L	
Cadmium, diss.		< 0.001	0.001	mg/L	
Chromium, diss.		< 0.001	0.001	mg/L	
Lead, diss.		< 0.002	0.002	mg/L	
Selenium, diss.		< 0.002	0.002	mg/L	
Silver, diss.		< 0.001	0.001	mg/L	
Boron, diss.		0.08	0.01	mg/L	
Magnesium, diss.		82.7	0.1	mg/L	
Zinc, diss.		0.067	0.005	mg/L	
Dissolved Metals	**Method: 7470A**				
Analysis Date: 04/28/11					
Mercury, diss.		< 0.0005	0.0005	mg/L	
Dissolved Gases	**Method: RSK175**				
Analysis Date: 04/30/11					
Methane		< 2.0	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: GP-24B
Sample No: 11-1632-011

Date Collected: 04/21/11
Time Collected: 16:10
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte		Result	R.L.	Units	Flags
Ammonia (as N)	**Method: 350.1R2.0**				
Analysis Date: 04/29/11					
Ammonia (as N)		0.11	0.10	mg/L	
BOD, 5 Day	**Method: 5210B**				
Analysis Date: 04/22/11 14:00					
BOD, 5 Day		3	1	mg/L	
Chloride	**Method: 4500Cl, E**				
Analysis Date: 04/28/11					
Chloride		63	5	mg/L	
Chloride, Dissolved	**Method: 4500Cl, E**				
Analysis Date: 04/28/11					
Chloride, Dissolved		60	5	mg/L	
COD	**Method: 5220D**				
Analysis Date: 04/26/11					
COD		22	10	mg/L	
Cyanide, Total	**Method: 335.4R1.0**				
Analysis Date: 04/28/11					
Cyanide, Total		< 0.005	0.005	mg/L	
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**				
Analysis Date: 04/25/11					
Nitrate + Nitrite (as N)		< 0.10	0.10	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**				
Analysis Date: 04/25/11					
Nitrate (as N) Dissolved		0.27	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**				
Analysis Date: 05/02/11					
Sulfate, Dissolved		321	15	mg/L	
Total Dissolved Solids	**Method: 2540C**				
Analysis Date: 04/28/11					
Total Dissolved Solids		916	10	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**				
Analysis Date: 04/27/11					
Acetone		< 100	100	ug/L	
Benzene		< 5.0	5.0	ug/L	
Bromodichloromethane		< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: GP-24B
Sample No: 11-1632-011

Date Collected: 04/21/11
Time Collected: 16:10
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/27/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/28/11		Preparation Date: 04/27/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: GP-24B
Sample No: 11-1632-011

Date Collected: 04/21/11
Time Collected: 16:10
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/28/11		Preparation Date: 04/27/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: GP-24B
Sample No: 11-1632-011

Date Collected: 04/21/11
Time Collected: 16:10
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/28/11		Preparation Date: 04/27/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/28/11		Preparation Date: 04/27/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: GP-24B
Sample No: 11-1632-011

Date Collected: 04/21/11
Time Collected: 16:10
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte		Result	R.L.	Units	Flags
Total Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/02/11			Preparation Date: 05/02/11		
Arsenic		< 0.002	0.002	mg/L	
Barium		0.065	0.001	mg/L	
Cadmium		< 0.001	0.001	mg/L	
Chromium		< 0.001	0.001	mg/L	
Lead		< 0.002	0.002	mg/L	
Selenium		< 0.002	0.002	mg/L	
Silver		< 0.001	0.001	mg/L	
Total Metals	**Method: 7470A**				
Analysis Date: 04/27/11					
Mercury		< 0.0005	0.0005	mg/L	
Dissolved Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/02/11			Preparation Date: 05/02/11		
Arsenic, diss.		< 0.002	0.002	mg/L	
Barium, diss.		0.063	0.001	mg/L	
Cadmium, diss.		< 0.001	0.001	mg/L	
Chromium, diss.		< 0.001	0.001	mg/L	
Lead, diss.		< 0.002	0.002	mg/L	
Selenium, diss.		< 0.002	0.002	mg/L	
Silver, diss.		< 0.001	0.001	mg/L	
Boron, diss.		0.23	0.01	mg/L	
Magnesium, diss.		57.4	0.1	mg/L	
Zinc, diss.		< 0.005	0.005	mg/L	
Dissolved Metals	**Method: 7470A**				
Analysis Date: 04/28/11					
Mercury, diss.		< 0.0005	0.0005	mg/L	
Dissolved Gases	**Method: RSK175**				
Analysis Date: 04/30/11					
Methane		494	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: GP-4B
Sample No: 11-1632-012

Date Collected: 04/21/11
Time Collected: 8:45
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte		Result	R.L.	Units	Flags
Ammonia (as N)	**Method: 350.1R2.0**				
Analysis Date: 04/26/11					
Ammonia (as N)		0.16	0.10	mg/L	
BOD, 5 Day	**Method: 5210B**				
Analysis Date: 04/22/11 14:00					
BOD, 5 Day		2	1	mg/L	
Chloride	**Method: 4500Cl, E**				
Analysis Date: 04/28/11					
Chloride		6	5	mg/L	
Chloride, Dissolved	**Method: 4500Cl, E**				
Analysis Date: 04/28/11					
Chloride, Dissolved		5	5	mg/L	
COD	**Method: 5220D**				
Analysis Date: 04/26/11					
COD		18	10	mg/L	
Cyanide, Total	**Method: 335.4R1.0**				
Analysis Date: 04/28/11					
Cyanide, Total		< 0.005	0.005	mg/L	
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**				
Analysis Date: 04/25/11					
Nitrate + Nitrite (as N)		0.24	0.10	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**				
Analysis Date: 04/25/11					
Nitrate (as N) Dissolved		0.12	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**				
Analysis Date: 05/02/11					
Sulfate, Dissolved		120	15	mg/L	
Total Dissolved Solids	**Method: 2540C**				
Analysis Date: 04/28/11					
Total Dissolved Solids		402	10	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**				
Analysis Date: 04/27/11					
Acetone		< 100	100	ug/L	
Benzene		< 5.0	5.0	ug/L	
Bromodichloromethane		< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: GP-4B
Sample No: 11-1632-012

Date Collected: 04/21/11
Time Collected: 8:45
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds	**Method: 5030B/8260B**			
Analysis Date: 04/27/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds	**Method: 8270C**	**Preparation Method 3510C**		
Analysis Date: 04/28/11		Preparation Date: 04/27/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: GP-4B
Sample No: 11-1632-012

Date Collected: 04/21/11
Time Collected: 8:45
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/28/11		Preparation Date: 04/27/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: GP-4B
Sample No: 11-1632-012

Date Collected: 04/21/11
Time Collected: 8:45
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/28/11		Preparation Date: 04/27/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/28/11		Preparation Date: 04/27/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: GP-4B
Sample No: 11-1632-012

Date Collected: 04/21/11
Time Collected: 8:45
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte		Result	R.L.	Units	Flags
Total Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/02/11			Preparation Date: 05/02/11		
Arsenic		< 0.002	0.002	mg/L	
Barium		0.040	0.001	mg/L	
Cadmium		< 0.001	0.001	mg/L	
Chromium		0.001	0.001	mg/L	
Lead		< 0.002	0.002	mg/L	
Selenium		< 0.002	0.002	mg/L	
Silver		< 0.001	0.001	mg/L	
Total Metals	**Method: 7470A**				
Analysis Date: 04/27/11					
Mercury		< 0.0005	0.0005	mg/L	
Dissolved Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/02/11			Preparation Date: 05/02/11		
Arsenic, diss.		< 0.002	0.002	mg/L	
Barium, diss.		0.054	0.001	mg/L	
Cadmium, diss.		< 0.001	0.001	mg/L	
Chromium, diss.		< 0.001	0.001	mg/L	
Lead, diss.		< 0.002	0.002	mg/L	
Selenium, diss.		< 0.002	0.002	mg/L	
Silver, diss.		< 0.001	0.001	mg/L	
Boron, diss.		0.11	0.01	mg/L	
Magnesium, diss.		86.0	0.1	mg/L	
Zinc, diss.		< 0.005	0.005	mg/L	
Dissolved Metals	**Method: 7470A**				
Analysis Date: 04/28/11					
Mercury, diss.		< 0.0005	0.0005	mg/L	
Dissolved Gases	**Method: RSK175**				
Analysis Date: 04/30/11					
Methane		< 2.0	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: GP-23B
Sample No: 11-1632-013

Date Collected: 04/21/11
Time Collected: 15:05
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Ammonia (as N)	**Method: 350.1R2.0**			
Analysis Date: 04/26/11				
Ammonia (as N)	2.85	0.10	mg/L	
Chloride, Dissolved	**Method: 4500Cl, E**			
Analysis Date: 05/03/11				
Chloride, Dissolved	202	5	mg/L	
COD	**Method: 5220D**			
Analysis Date: 04/26/11				
COD	10	10	mg/L	
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**			
Analysis Date: 04/25/11				
Nitrate + Nitrite (as N)	< 0.10	0.10	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**			
Analysis Date: 04/25/11				
Nitrate (as N) Dissolved	1.09	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**			
Analysis Date: 05/02/11				
Sulfate, Dissolved	534	15	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**			
Analysis Date: 04/27/11				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: GP-23B
Sample No: 11-1632-013

Date Collected: 04/21/11
Time Collected: 15:05
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds	**Method: 5030B/8260B**			
Analysis Date: 04/27/11				
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds	**Method: 8270C**	**Preparation Method 3510C**		
Analysis Date: 04/29/11		Preparation Date: 04/27/11		
Benzidine	< 10	10	ug/L	
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: GP-23B
Sample No: 11-1632-013

Date Collected: 04/21/11
Time Collected: 15:05
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/29/11		Preparation Date: 04/27/11		
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: GP-23B
Sample No: 11-1632-013

Date Collected: 04/21/11
Time Collected: 15:05
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte		Result	R.L.	Units	Flags
Semi-Volatile Compounds	**Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/29/11			Preparation Date: 04/27/11		
2,4,5-Trichlorophenol		< 10	10	ug/L	
2,4,6-Trichlorophenol		< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons	**Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/28/11			Preparation Date: 04/27/11		
Acenaphthene		< 10	10	ug/L	
Acenaphthylene		< 10	10	ug/L	
Anthracene		< 5	5	ug/L	
Benzo(a)anthracene		< 0.13	0.13	ug/L	
Benzo(a)pyrene		< 0.2	0.2	ug/L	
Benzo(b)fluoranthene		< 0.18	0.18	ug/L	
Benzo(k)fluoranthene		< 0.17	0.17	ug/L	
Benzo(ghi)perylene		< 0.4	0.4	ug/L	
Chrysene		< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene		< 0.3	0.3	ug/L	
Fluoranthene		< 2	2	ug/L	
Fluorene		< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene		< 0.3	0.3	ug/L	
Naphthalene		< 10	10	ug/L	
Phenanthrene		< 5	5	ug/L	
Pyrene		< 2	2	ug/L	
Total Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/02/11			Preparation Date: 05/02/11		
Arsenic		0.010	0.002	mg/L	
Barium		0.169	0.001	mg/L	
Cadmium		< 0.001	0.001	mg/L	
Chromium		0.021	0.001	mg/L	
Lead		0.010	0.002	mg/L	
Selenium		< 0.002	0.002	mg/L	
Silver		< 0.001	0.001	mg/L	
Total Metals	**Method: 7470A**				
Analysis Date: 04/27/11					
Mercury		< 0.0005	0.0005	mg/L	
Dissolved Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/02/11			Preparation Date: 05/02/11		
Arsenic, diss.		0.011	0.002	mg/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: GP-23B
Sample No: 11-1632-013

Date Collected: 04/21/11
Time Collected: 15:05
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte		Result	R.L.	Units	Flags
Dissolved Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/02/11			Preparation Date: 05/02/11		
Barium, diss.		0.057	0.001	mg/L	
Cadmium, diss.		< 0.001	0.001	mg/L	
Chromium, diss.		< 0.001	0.001	mg/L	
Lead, diss.		< 0.002	0.002	mg/L	
Selenium, diss.		< 0.002	0.002	mg/L	
Silver, diss.		< 0.001	0.001	mg/L	
Boron, diss.		0.19	0.01	mg/L	
Magnesium, diss.		129	0.1	mg/L	
Zinc, diss.		< 0.005	0.005	mg/L	
Dissolved Metals	**Method: 7470A**				
Analysis Date: 04/28/11					
Mercury, diss.		< 0.0005	0.0005	mg/L	
Dissolved Gases	**Method: RSK175**				
Analysis Date: 04/30/11					
Methane		476	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: GP-23B
Sample No: 11-1632-014

Date Collected: 04/22/11
Time Collected: 9:45
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte		Result	R.L.	Units	Flags
Chloride	**Method: 4500Cl, E**				
Analysis Date: 05/03/11					
Chloride		221	5	mg/L	
Cyanide, Total	**Method: 335.4R1.0**				
Analysis Date: 04/28/11					
Cyanide, Total		< 0.005	0.005	mg/L	
Total Dissolved Solids	**Method: 2540C**				
Analysis Date: 04/28/11					
Total Dissolved Solids		1,610	10	mg/L	
BOD, 5 Day	**Method: 5210B**				
Analysis Date: 04/22/11 14:00					
BOD, 5 Day		2	1	mg/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: GP-16A
Sample No: 11-1632-015

Date Collected: 04/21/11
Time Collected: 10:35
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Chloride, Dissolved	**Method: 4500Cl, E**			
Analysis Date: 05/03/11				
Chloride, Dissolved	250	5	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**			
Analysis Date: 04/25/11				
Nitrate (as N) Dissolved	< 0.10	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**			
Analysis Date: 04/27/11				
Sulfate, Dissolved	77	15	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**			
Analysis Date: 04/27/11				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: GP-16A
Sample No: 11-1632-015

Date Collected: 04/21/11
Time Collected: 10:35
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/27/11				
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/29/11		Preparation Date: 04/27/11		
Benzidine	< 10	10	ug/L	
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: GP-16A
Sample No: 11-1632-015

Date Collected: 04/21/11
Time Collected: 10:35
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C** Analysis Date: 04/29/11		**Preparation Method 3510C** Preparation Date: 04/27/11		
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C** Analysis Date: 04/28/11		**Preparation Method 3510C** Preparation Date: 04/27/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: GP-16A
Sample No: 11-1632-015

Date Collected: 04/21/11
Time Collected: 10:35
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte		Result	R.L.	Units	Flags
Polynuclear Aromatic Hydrocarbons	**Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/28/11			Preparation Date: 04/27/11		
Benzo(k)fluoranthene		< 0.17	0.17	ug/L	
Benzo(ghi)perylene		< 0.4	0.4	ug/L	
Chrysene		< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene		< 0.3	0.3	ug/L	
Fluoranthene		< 2	2	ug/L	
Fluorene		< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene		< 0.3	0.3	ug/L	
Naphthalene		< 10	10	ug/L	
Phenanthrene		< 5	5	ug/L	
Pyrene		< 2	2	ug/L	
Total Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/02/11			Preparation Date: 05/02/11		
Arsenic		0.008	0.002	mg/L	
Barium		0.094	0.001	mg/L	
Cadmium		< 0.001	0.001	mg/L	
Chromium		0.003	0.001	mg/L	
Lead		< 0.002	0.002	mg/L	
Selenium		< 0.002	0.002	mg/L	
Silver		< 0.001	0.001	mg/L	
Total Metals	**Method: 7470A**				
Analysis Date: 04/27/11					
Mercury		< 0.0005	0.0005	mg/L	
Dissolved Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/02/11			Preparation Date: 05/02/11		
Arsenic, diss.		< 0.002	0.002	mg/L	
Barium, diss.		0.080	0.001	mg/L	
Cadmium, diss.		< 0.001	0.001	mg/L	
Chromium, diss.		< 0.001	0.001	mg/L	
Lead, diss.		< 0.002	0.002	mg/L	
Selenium, diss.		< 0.002	0.002	mg/L	
Silver, diss.		< 0.001	0.001	mg/L	
Boron, diss.		0.22	0.01	mg/L	
Magnesium, diss.		92.7	0.1	mg/L	
Zinc, diss.		0.007	0.005	mg/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client:	RMT, INC.	**Date Collected:**	04/21/11
Project ID:	MNL GW Sampling	**Time Collected:**	10:35
Sample ID:	GP-16A	**Date Received:**	04/22/11
Sample No:	11-1632-015	**Date Reported:**	05/10/11

Analyte		Result	R.L.	Units	Flags
Dissolved Metals	**Method: 7470A**				
Analysis Date: 04/28/11					
Mercury, diss.		< 0.0005	0.0005	mg/L	
Dissolved Gases	**Method: RSK175**				
Analysis Date: 04/30/11					
Methane		489	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client:	RMT, INC.	**Date Collected:**	04/22/11
Project ID:	MNL GW Sampling	**Time Collected:**	10:35
Sample ID:	GP-16A	**Date Received:**	04/22/11
Sample No:	11-1632-016	**Date Reported:**	05/10/11

Analyte		Result	R.L.	Units	Flags
Chloride	**Method: 4500Cl, E**				
Analysis Date: 05/03/11					
Chloride		256	5	mg/L	
Cyanide, Total	**Method: 335.4R1.0**				
Analysis Date: 04/28/11					
Cyanide, Total		< 0.005	0.005	mg/L	
Total Dissolved Solids	**Method: 2540C**				
Analysis Date: 04/28/11					
Total Dissolved Solids		1,050	10	mg/L	
Ammonia (as N)	**Method: 350.1R2.0**				
Analysis Date: 04/26/11					
Ammonia (as N)		0.12	0.10	mg/L	
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**				
Analysis Date: 04/25/11					
Nitrate + Nitrite (as N)		< 0.10	0.10	mg/L	
COD	**Method: 5220D**				
Analysis Date: 04/26/11					
COD		22	10	mg/L	
BOD, 5 Day	**Method: 5210B**				
Analysis Date: 04/22/11 14:00					
BOD, 5 Day		1	1	mg/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: GP-29A
Sample No: 11-1632-017

Date Collected: 04/21/11
Time Collected: 11:20
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Chloride, Dissolved **Method: 4500Cl, E**				
Analysis Date: 05/03/11				
Chloride, Dissolved	231	5	mg/L	
Nitrate (as N), Dissolved **Method: 353.2R2.0**				
Analysis Date: 04/29/11				
Nitrate (as N) Dissolved	3.45	0.10	mg/L	
Sulfate, Dissolved **Method: 375.2R2.0**				
Analysis Date: 04/27/11				
Sulfate, Dissolved	446	15	mg/L	
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/27/11				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: GP-29A
Sample No: 11-1632-017

Date Collected: 04/21/11
Time Collected: 11:20
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/27/11				
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/29/11		Preparation Date: 04/27/11		
Benzidine	< 10	10	ug/L	
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client:	RMT, INC.	**Date Collected:**	04/21/11
Project ID:	MNL GW Sampling	**Time Collected:**	11:20
Sample ID:	GP-29A	**Date Received:**	04/22/11
Sample No:	11-1632-017	**Date Reported:**	05/10/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/29/11		Preparation Date: 04/27/11		
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/28/11		Preparation Date: 04/27/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: GP-29A
Sample No: 11-1632-017

Date Collected: 04/21/11
Time Collected: 11:20
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Polynuclear Aromatic Hydrocarbons **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/28/11		Preparation Date: 04/27/11		
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	
Dissolved Metals **Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/02/11		Preparation Date: 05/02/11		
Arsenic, diss.	< 0.002	0.002	mg/L	
Barium, diss.	0.151	0.001	mg/L	
Cadmium, diss.	0.006	0.001	mg/L	
Chromium, diss.	< 0.001	0.001	mg/L	
Lead, diss.	< 0.002	0.002	mg/L	
Selenium, diss.	< 0.002	0.002	mg/L	
Silver, diss.	< 0.001	0.001	mg/L	
Boron, diss.	0.28	0.01	mg/L	
Magnesium, diss.	107	0.1	mg/L	
Zinc, diss.	0.023	0.005	mg/L	
Dissolved Metals **Method: 7470A**				
Analysis Date: 04/28/11				
Mercury, diss.	< 0.0005	0.0005	mg/L	
Dissolved Gases **Method: RSK175**				
Analysis Date: 04/30/11				
Methane	283	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: GP-29A
Sample No: 11-1632-018

Date Collected: 04/22/11
Time Collected: 10:30
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte		Result	R.L.	Units	Flags
Chloride	**Method: 4500Cl, E**				
Analysis Date: 05/03/11					
Chloride		228	5	mg/L	
Total Dissolved Solids	**Method: 2540C**				
Analysis Date: 04/28/11					
Total Dissolved Solids		1,560	10	mg/L	
Ammonia (as N)	**Method: 350.1R2.0**				
Analysis Date: 04/26/11					
Ammonia (as N)		2.14	0.10	mg/L	P
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**				
Analysis Date: 04/29/11					
Nitrate + Nitrite (as N)		7.71	0.10	mg/L	
COD	**Method: 5220D**				
Analysis Date: 04/26/11					
COD		22	10	mg/L	P
Total Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/02/11			Preparation Date: 05/02/11		
Arsenic		< 0.002	0.002	mg/L	
Barium		0.151	0.001	mg/L	
Cadmium		< 0.001	0.001	mg/L	
Chromium		0.001	0.001	mg/L	
Lead		< 0.002	0.002	mg/L	
Selenium		< 0.002	0.002	mg/L	
Silver		< 0.001	0.001	mg/L	
Total Metals	**Method: 7470A**				
Analysis Date: 04/27/11					
Mercury		< 0.0005	0.0005	mg/L	
BOD, 5 Day	**Method: 5210B**				
Analysis Date: 04/22/11 14:00					
BOD, 5 Day		2	1	mg/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: GP-21A
Sample No: 11-1632-019

Date Collected: 04/21/11
Time Collected: 11:55
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Chloride, Dissolved	**Method: 4500Cl, E**			
Analysis Date: 05/03/11				
Chloride, Dissolved	218	5	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**			
Analysis Date: 04/25/11				
Nitrate (as N) Dissolved	< 0.10	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**			
Analysis Date: 05/02/11				
Sulfate, Dissolved	537	15	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**			
Analysis Date: 04/27/11				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: GP-21A
Sample No: 11-1632-019

Date Collected: 04/21/11
Time Collected: 11:55
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/27/11				
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/29/11		Preparation Date: 04/27/11		
Benzidine	< 10	10	ug/L	
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: GP-21A
Sample No: 11-1632-019

Date Collected: 04/21/11
Time Collected: 11:55
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/29/11		Preparation Date: 04/27/11		
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/28/11		Preparation Date: 04/27/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: GP-21A
Sample No: 11-1632-019

Date Collected: 04/21/11
Time Collected: 11:55
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte		Result	R.L.	Units	Flags
Polynuclear Aromatic Hydrocarbons	**Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/28/11			Preparation Date: 04/27/11		
Benzo(k)fluoranthene		< 0.17	0.17	ug/L	
Benzo(ghi)perylene		< 0.4	0.4	ug/L	
Chrysene		< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene		< 0.3	0.3	ug/L	
Fluoranthene		< 2	2	ug/L	
Fluorene		< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene		< 0.3	0.3	ug/L	
Naphthalene		< 10	10	ug/L	
Phenanthrene		< 5	5	ug/L	
Pyrene		< 2	2	ug/L	
Total Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/02/11			Preparation Date: 05/02/11		
Arsenic		0.049	0.002	mg/L	
Barium		0.207	0.001	mg/L	
Cadmium		0.002	0.001	mg/L	
Chromium		0.033	0.001	mg/L	
Lead		0.083	0.002	mg/L	
Selenium		< 0.002	0.002	mg/L	
Silver		< 0.001	0.001	mg/L	
Total Metals	**Method: 7470A**				
Analysis Date: 04/27/11					
Mercury		< 0.0005	0.0005	mg/L	
Dissolved Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/02/11			Preparation Date: 05/02/11		
Arsenic, diss.		< 0.002	0.002	mg/L	
Barium, diss.		0.042	0.001	mg/L	
Cadmium, diss.		< 0.001	0.001	mg/L	
Chromium, diss.		< 0.001	0.001	mg/L	
Lead, diss.		< 0.002	0.002	mg/L	
Selenium, diss.		< 0.002	0.002	mg/L	
Silver, diss.		< 0.001	0.001	mg/L	
Boron, diss.		0.10	0.01	mg/L	
Magnesium, diss.		140	0.1	mg/L	
Zinc, diss.		0.005	0.005	mg/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: GP-21A
Sample No: 11-1632-019

Date Collected: 04/21/11
Time Collected: 11:55
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte		Result	R.L.	Units	Flags
Dissolved Metals	**Method: 7470A**				
Analysis Date: 04/28/11					
Mercury, diss.		< 0.0005	0.0005	mg/L	
Dissolved Gases	**Method: RSK175**				
Analysis Date: 04/30/11					
Methane		11.2	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: GP-21A
Sample No: 11-1632-020

Date Collected: 04/22/11
Time Collected: 10:20
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Chloride **Method: 4500Cl, E**				
Analysis Date: 05/03/11				
Chloride	203	5	mg/L	
Cyanide, Total **Method: 335.4R1.0**				
Analysis Date: 04/28/11				
Cyanide, Total	< 0.005	0.005	mg/L	
Total Dissolved Solids **Method: 2540C**				
Analysis Date: 04/28/11				
Total Dissolved Solids	1,490	10	mg/L	
Ammonia (as N) **Method: 350.1R2.0**				
Analysis Date: 04/26/11				
Ammonia (as N)	2.57	0.10	mg/L	
Nitrate + Nitrite (as N) **Method: 353.2R2.0**				
Analysis Date: 04/25/11				
Nitrate + Nitrite (as N)	< 0.10	0.10	mg/L	
COD **Method: 5220D**				
Analysis Date: 04/26/11				
COD	25	10	mg/L	
BOD, 5 Day **Method: 5210B**				
Analysis Date: 04/22/11 14:00				
BOD, 5 Day	3	1	mg/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: GP-30B
Sample No: 11-1632-021

Date Collected: 04/21/11
Time Collected: 13:50
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Chloride, Dissolved	**Method: 4500Cl, E**			
Analysis Date: 05/03/11				
Chloride, Dissolved	1,360	5	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**			
Analysis Date: 04/25/11				
Nitrate (as N) Dissolved	< 0.10	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**			
Analysis Date: 05/02/11				
Sulfate, Dissolved	127	15	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**			
Analysis Date: 04/27/11				
Acetone	299	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	336	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: GP-30B
Sample No: 11-1632-021

Date Collected: 04/21/11
Time Collected: 13:50
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/27/11				
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/29/11		Preparation Date: 04/27/11		
Benzidine	< 10	10	ug/L	
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: GP-30B
Sample No: 11-1632-021

Date Collected: 04/21/11
Time Collected: 13:50
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/29/11		Preparation Date: 04/27/11		
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/28/11		Preparation Date: 04/27/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: GP-30B
Sample No: 11-1632-021

Date Collected: 04/21/11
Time Collected: 13:50
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Polynuclear Aromatic Hydrocarbons **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/28/11		Preparation Date: 04/27/11		
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	
Dissolved Metals **Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/02/11		Preparation Date: 05/02/11		
Arsenic, diss.	0.042	0.002	mg/L	
Barium, diss.	0.498	0.001	mg/L	
Cadmium, diss.	< 0.001	0.001	mg/L	
Chromium, diss.	< 0.001	0.001	mg/L	
Lead, diss.	< 0.002	0.002	mg/L	
Selenium, diss.	< 0.002	0.002	mg/L	
Silver, diss.	< 0.001	0.001	mg/L	
Boron, diss.	0.13	0.01	mg/L	
Magnesium, diss.	257	0.1	mg/L	
Zinc, diss.	< 0.005	0.005	mg/L	
Dissolved Metals **Method: 7470A**				
Analysis Date: 04/28/11				
Mercury, diss.	< 0.0005	0.0005	mg/L	
Dissolved Gases **Method: RSK175**				
Analysis Date: 05/02/11				
Methane	1,530	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: GP-30B
Sample No: 11-1632-022

Date Collected: 04/22/11
Time Collected: 10:05
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte		Result	R.L.	Units	Flags
Chloride	**Method: 4500Cl, E**				
Analysis Date: 05/03/11					
Chloride		1,300	5	mg/L	
Total Dissolved Solids	**Method: 2540C**				
Analysis Date: 04/28/11					
Total Dissolved Solids		3,270	10	mg/L	
Ammonia (as N)	**Method: 350.1R2.0**				
Analysis Date: 04/26/11					
Ammonia (as N)		2.83	0.10	mg/L	
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**				
Analysis Date: 04/25/11					
Nitrate + Nitrite (as N)		< 0.10	0.10	mg/L	
COD	**Method: 5220D**				
Analysis Date: 04/28/11					
COD		1,020	10	mg/L	
Total Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/02/11			Preparation Date: 05/02/11		
Arsenic		0.030	0.002	mg/L	
Barium		0.688	0.001	mg/L	
Cadmium		< 0.001	0.001	mg/L	
Chromium		0.005	0.001	mg/L	
Lead		0.003	0.002	mg/L	
Selenium		< 0.002	0.002	mg/L	
Silver		< 0.001	0.001	mg/L	
Total Metals	**Method: 7470A**				
Analysis Date: 04/27/11					
Mercury		< 0.0005	0.0005	mg/L	
BOD, 5 Day	**Method: 5210B**				
Analysis Date: 04/22/11 14:00					
BOD, 5 Day		40	1	mg/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: GP-23A
Sample No: 11-1632-023

Date Collected: 04/21/11
Time Collected: 14:30
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte		Result	R.L.	Units	Flags
Ammonia (as N)	**Method: 350.1R2.0**				
Analysis Date: 04/26/11					
Ammonia (as N)		2.04	0.10	mg/L	
Chloride, Dissolved	**Method: 4500Cl, E**				
Analysis Date: 05/03/11					
Chloride, Dissolved		253	5	mg/L	
COD	**Method: 5220D**				
Analysis Date: 04/26/11					
COD		16	10	mg/L	
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**				
Analysis Date: 04/25/11					
Nitrate + Nitrite (as N)		0.95	0.10	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**				
Analysis Date: 04/25/11					
Nitrate (as N) Dissolved		0.70	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**				
Analysis Date: 05/02/11					
Sulfate, Dissolved		610	15	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**				
Analysis Date: 04/27/11					
Acetone		< 100	100	ug/L	
Benzene		< 5.0	5.0	ug/L	
Bromodichloromethane		< 1.0	1.0	ug/L	
Bromoform		< 1.0	1.0	ug/L	
Bromomethane		< 5.0	5.0	ug/L	
2-Butanone (MEK)		< 10.0	10.0	ug/L	
Carbon disulfide		< 5.0	5.0	ug/L	
Carbon tetrachloride		< 5.0	5.0	ug/L	
Chlorobenzene		< 5.0	5.0	ug/L	
Chlorodibromomethane		< 1.0	1.0	ug/L	
Chloroethane		< 10.0	10.0	ug/L	
Chloroform		< 1.0	1.0	ug/L	
Chloromethane		< 10.0	10.0	ug/L	
1,1-Dichloroethane		< 5.0	5.0	ug/L	
1,2-Dichloroethane		< 5.0	5.0	ug/L	
1,1-Dichloroethene		< 5.0	5.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: GP-23A
Sample No: 11-1632-023

Date Collected: 04/21/11
Time Collected: 14:30
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds	**Method: 5030B/8260B**			
Analysis Date: 04/27/11				
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds	**Method: 8270C**	**Preparation Method 3510C**		
Analysis Date: 04/29/11		Preparation Date: 04/27/11		
Benzidine	< 10	10	ug/L	
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: GP-23A
Sample No: 11-1632-023

Date Collected: 04/21/11
Time Collected: 14:30
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/29/11		Preparation Date: 04/27/11		
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: GP-23A
Sample No: 11-1632-023

Date Collected: 04/21/11
Time Collected: 14:30
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte		Result	R.L.	Units	Flags
Semi-Volatile Compounds	**Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/29/11			Preparation Date: 04/27/11		
2,4,5-Trichlorophenol		< 10	10	ug/L	
2,4,6-Trichlorophenol		< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons	**Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/28/11			Preparation Date: 04/27/11		
Acenaphthene		< 10	10	ug/L	
Acenaphthylene		< 10	10	ug/L	
Anthracene		< 5	5	ug/L	
Benzo(a)anthracene		< 0.13	0.13	ug/L	
Benzo(a)pyrene		< 0.2	0.2	ug/L	
Benzo(b)fluoranthene		< 0.18	0.18	ug/L	
Benzo(k)fluoranthene		< 0.17	0.17	ug/L	
Benzo(ghi)perylene		< 0.4	0.4	ug/L	
Chrysene		< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene		< 0.3	0.3	ug/L	
Fluoranthene		< 2	2	ug/L	
Fluorene		< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene		< 0.3	0.3	ug/L	
Naphthalene		< 10	10	ug/L	
Phenanthrene		< 5	5	ug/L	
Pyrene		< 2	2	ug/L	
Total Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/02/11			Preparation Date: 05/02/11		
Arsenic		< 0.002	0.002	mg/L	
Barium		0.041	0.001	mg/L	
Cadmium		0.025	0.001	mg/L	
Chromium		0.003	0.001	mg/L	
Lead		< 0.002	0.002	mg/L	
Selenium		< 0.002	0.002	mg/L	
Silver		< 0.001	0.001	mg/L	
Total Metals	**Method: 7470A**				
Analysis Date: 04/27/11					
Mercury		< 0.0005	0.0005	mg/L	
Dissolved Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/02/11			Preparation Date: 05/02/11		
Arsenic, diss.		< 0.002	0.002	mg/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: GP-23A
Sample No: 11-1632-023

Date Collected: 04/21/11
Time Collected: 14:30
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte		Result	R.L.	Units	Flags
Dissolved Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/02/11			Preparation Date: 05/02/11		
Barium, diss.		0.035	0.001	mg/L	
Cadmium, diss.		< 0.001	0.001	mg/L	
Chromium, diss.		< 0.001	0.001	mg/L	
Lead, diss.		< 0.002	0.002	mg/L	
Selenium, diss.		< 0.002	0.002	mg/L	
Silver, diss.		< 0.001	0.001	mg/L	
Boron, diss.		0.37	0.01	mg/L	
Magnesium, diss.		118	0.1	mg/L	
Zinc, diss.		< 0.005	0.005	mg/L	
Dissolved Metals	**Method: 7470A**				
Analysis Date: 04/28/11					
Mercury, diss.		< 0.0005	0.0005	mg/L	
Dissolved Gases	**Method: RSK175**				
Analysis Date: 05/02/11					
Methane		651	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: GP-23A
Sample No: 11-1632-024

Date Collected: 04/22/11
Time Collected: 9:45
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte		Result	R.L.	Units	Flags
Chloride	**Method: 4500Cl, E**				
Analysis Date: 05/03/11					
Chloride		336	5	mg/L	
Cyanide, Total	**Method: 335.4R1.0**				
Analysis Date: 04/28/11					
Cyanide, Total		< 0.005	0.005	mg/L	
Total Dissolved Solids	**Method: 2540C**				
Analysis Date: 04/28/11					
Total Dissolved Solids		2,570	10	mg/L	
BOD, 5 Day	**Method: 5210B**				
Analysis Date: 04/22/11 14:00					
BOD, 5 Day		6	1	mg/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: GP-2A
Sample No: 11-1632-025

Date Collected: 04/21/11
Time Collected: 17:00
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Chloride, Dissolved	**Method: 4500Cl, E**			
Analysis Date: 04/28/11				
Chloride, Dissolved	8	5	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**			
Analysis Date: 04/25/11				
Nitrate (as N) Dissolved	< 0.10	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**			
Analysis Date: 04/27/11				
Sulfate, Dissolved	960	15	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**			
Analysis Date: 04/27/11				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client:	RMT, INC.	**Date Collected:**	04/21/11
Project ID:	MNL GW Sampling	**Time Collected:**	17:00
Sample ID:	GP-2A	**Date Received:**	04/22/11
Sample No:	11-1632-025	**Date Reported:**	05/10/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/27/11				
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/29/11		Preparation Date: 04/27/11		
Benzidine	< 10	10	ug/L	
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: GP-2A
Sample No: 11-1632-025

Date Collected: 04/21/11
Time Collected: 17:00
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/29/11		Preparation Date: 04/27/11		
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/28/11		Preparation Date: 04/27/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: GP-2A
Sample No: 11-1632-025

Date Collected: 04/21/11
Time Collected: 17:00
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte		Result	R.L.	Units	Flags
Polynuclear Aromatic Hydrocarbons	**Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/28/11			Preparation Date: 04/27/11		
Benzo(k)fluoranthene		< 0.17	0.17	ug/L	
Benzo(ghi)perylene		< 0.4	0.4	ug/L	
Chrysene		< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene		< 0.3	0.3	ug/L	
Fluoranthene		< 2	2	ug/L	
Fluorene		< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene		< 0.3	0.3	ug/L	
Naphthalene		< 10	10	ug/L	
Phenanthrene		< 5	5	ug/L	
Pyrene		< 2	2	ug/L	
Total Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/02/11			Preparation Date: 05/02/11		
Arsenic		0.006	0.002	mg/L	
Barium		0.088	0.001	mg/L	
Cadmium		< 0.001	0.001	mg/L	
Chromium		0.007	0.001	mg/L	
Lead		0.006	0.002	mg/L	
Selenium		< 0.002	0.002	mg/L	
Silver		< 0.001	0.001	mg/L	
Total Metals	**Method: 7470A**				
Analysis Date: 04/27/11					
Mercury		< 0.0005	0.0005	mg/L	
Dissolved Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/02/11			Preparation Date: 05/02/11		
Arsenic, diss.		< 0.002	0.002	mg/L	
Barium, diss.		0.080	0.001	mg/L	
Cadmium, diss.		< 0.001	0.001	mg/L	
Chromium, diss.		< 0.001	0.001	mg/L	
Lead, diss.		< 0.002	0.002	mg/L	
Selenium, diss.		< 0.002	0.002	mg/L	
Silver, diss.		< 0.001	0.001	mg/L	
Boron, diss.		0.11	0.01	mg/L	
Magnesium, diss.		132	0.1	mg/L	
Zinc, diss.		0.015	0.005	mg/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: GP-2A
Sample No: 11-1632-025

Date Collected: 04/21/11
Time Collected: 17:00
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte		Result	R.L.	Units	Flags
Dissolved Metals	**Method: 7470A**				
Analysis Date: 04/28/11					
Mercury, diss.		< 0.0005	0.0005	mg/L	
Dissolved Gases	**Method: RSK175**				
Analysis Date: 05/02/11					
Methane		855	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client:	RMT, INC.	**Date Collected:**	04/22/11
Project ID:	MNL GW Sampling	**Time Collected:**	11:40
Sample ID:	GP-2A	**Date Received:**	04/22/11
Sample No:	11-1632-026	**Date Reported:**	05/10/11

Analyte		Result	R.L.	Units	Flags
Chloride	**Method: 4500Cl, E**				
Analysis Date: 04/28/11					
Chloride		6	5	mg/L	
Cyanide, Total	**Method: 335.4R1.0**				
Analysis Date: 04/28/11					
Cyanide, Total		< 0.005	0.005	mg/L	
Total Dissolved Solids	**Method: 2540C**				
Analysis Date: 04/28/11					
Total Dissolved Solids		1,900	10	mg/L	
BOD, 5 Day	**Method: 5210B**				
Analysis Date: 04/22/11 14:00					
BOD, 5 Day		2	1	mg/L	
COD	**Method: 5220D**				
Analysis Date: 04/26/11					
COD		19	10	mg/L	
Ammonia (as N)	**Method: 350.1R2.0**				
Analysis Date: 04/26/11					
Ammonia (as N)		0.64	0.10	mg/L	
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**				
Analysis Date: 04/25/11					
Nitrate + Nitrite (as N)		0.30	0.10	mg/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: GP-4C
Sample No: 11-1632-027

Date Collected: 04/21/11
Time Collected: 9:20
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Chloride, Dissolved	**Method: 4500Cl, E**			
Analysis Date: 04/28/11				
Chloride, Dissolved	10	5	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**			
Analysis Date: 04/25/11				
Nitrate (as N) Dissolved	< 0.10	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**			
Analysis Date: 05/02/11				
Sulfate, Dissolved	185	15	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**			
Analysis Date: 04/27/11				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client:	RMT, INC.	**Date Collected:**	04/21/11
Project ID:	MNL GW Sampling	**Time Collected:**	9:20
Sample ID:	GP-4C	**Date Received:**	04/22/11
Sample No:	11-1632-027	**Date Reported:**	05/10/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/27/11				
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/29/11		Preparation Date: 04/27/11		
Benzidine	< 20	10	ug/L	
Benzoic acid	< 100	50	ug/L	
Benzyl alcohol	< 40	20	ug/L	
bis(2-Chloroethoxy)methane	< 20	10	ug/L	
bis(2-Chloroethyl)ether	< 20	10	ug/L	
bis(2-Chloroisopropyl)ether	< 20	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 10	5	ug/L	
4-Bromophenyl phenyl ether	< 20	10	ug/L	
Butyl benzyl phthalate	< 20	10	ug/L	
Carbazole	< 20	10	ug/L	
4-Chloroaniline	< 20	10	ug/L	
4-Chloro-3-methylphenol	< 40	20	ug/L	
2-Chloronaphthalene	< 20	10	ug/L	
2-Chlorophenol	< 20	10	ug/L	
4-Chlorophenyl phenyl ether	< 20	10	ug/L	
Dibenzofuran	< 20	10	ug/L	
1,2-Dichlorobenzene	< 20	10	ug/L	
1,3-Dichlorobenzene	< 20	10	ug/L	
1,4-Dichlorobenzene	< 20	10	ug/L	
3,3'-Dichlorobenzidine	< 40	20	ug/L	
2,4-Dichlorophenol	< 20	10	ug/L	
Diethyl phthalate	< 20	10	ug/L	
2,4-Dimethylphenol	< 20	10	ug/L	
Dimethyl phthalate	< 20	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: GP-4C
Sample No: 11-1632-027

Date Collected: 04/21/11
Time Collected: 9:20
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C** Analysis Date: 04/29/11		**Preparation Method 3510C** Preparation Date: 04/27/11		
Di-n-butyl phthalate	< 20	10	ug/L	
4,6-Dinitro-2-methylphenol	< 100	50	ug/L	
2,4-Dinitrophenol	< 20	10	ug/L	
2,4-Dinitrotoluene	< 20	10	ug/L	
2,6-Dinitrotoluene	< 20	10	ug/L	
Di-n-octylphthalate	< 20	10	ug/L	
Hexachlorobenzene	< 20	10	ug/L	
Hexachlorobutadiene	< 20	10	ug/L	
Hexachlorocyclopentadiene	< 20	10	ug/L	
Hexachloroethane	< 10	5	ug/L	
Isophorone	< 20	10	ug/L	
2-Methylnaphthalene	< 20	10	ug/L	
2-Methylphenol	< 20	10	ug/L	
3 & 4-Methylphenol	< 20	10	ug/L	
2-Nitroaniline	< 100	50	ug/L	
3-Nitroaniline	< 100	50	ug/L	
4-Nitroaniline	< 40	20	ug/L	
Nitrobenzene	< 20	10	ug/L	
2-Nitrophenol	< 20	10	ug/L	
4-Nitrophenol	< 100	50	ug/L	
n-Nitrosodimethylamine	< 20	10	ug/L	
n-Nitrosodiphenylamine	< 20	10	ug/L	
n-Nitrosodi-n-propylamine	< 20	10	ug/L	
Pentachlorophenol	< 20	10	ug/L	
Phenol	< 20	10	ug/L	
1,2,4-Trichlorobenzene	< 20	10	ug/L	
2,4,5-Trichlorophenol	< 20	10	ug/L	
2,4,6-Trichlorophenol	< 20	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C** Analysis Date: 04/28/11		**Preparation Method 3510C** Preparation Date: 04/27/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.2	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.2	0.18	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client:	RMT, INC.	**Date Collected:**	04/21/11
Project ID:	MNL GW Sampling	**Time Collected:**	9:20
Sample ID:	GP-4C	**Date Received:**	04/22/11
Sample No:	11-1632-027	**Date Reported:**	05/10/11

Analyte		Result	R.L.	Units	Flags
Polynuclear Aromatic Hydrocarbons	**Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/28/11			Preparation Date: 04/27/11		
Benzo(k)fluoranthene		< 0.2	0.17	ug/L	
Benzo(ghi)perylene		< 0.4	0.4	ug/L	
Chrysene		< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene		< 0.3	0.3	ug/L	
Fluoranthene		< 2	2	ug/L	
Fluorene		< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene		< 0.3	0.3	ug/L	
Naphthalene		< 10	10	ug/L	
Phenanthrene		< 5	5	ug/L	
Pyrene		< 2	2	ug/L	
Dissolved Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/02/11			Preparation Date: 05/02/11		
Arsenic, diss.		< 0.002	0.002	mg/L	
Barium, diss.		0.056	0.001	mg/L	
Cadmium, diss.		< 0.001	0.001	mg/L	
Chromium, diss.		< 0.001	0.001	mg/L	
Lead, diss.		< 0.002	0.002	mg/L	
Selenium, diss.		< 0.002	0.002	mg/L	
Silver, diss.		< 0.001	0.001	mg/L	
Boron, diss.		0.15	0.01	mg/L	
Magnesium, diss.		69.5	0.1	mg/L	
Zinc, diss.		< 0.005	0.005	mg/L	
Dissolved Metals	**Method: 7470A**				
Analysis Date: 04/28/11					
Mercury, diss.		< 0.0005	0.0005	mg/L	
Dissolved Gases	**Method: RSK175**				
Analysis Date: 04/27/11					
Methane		28.7	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: GP-4C
Sample No: 11-1632-028

Date Collected: 04/22/11
Time Collected: 11:00
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte		Result	R.L.	Units	Flags
COD	**Method: 5220D**				
Analysis Date: 04/26/11					
COD		30	10	mg/L	
Ammonia (as N)	**Method: 350.1R2.0**				
Analysis Date: 04/29/11					
Ammonia (as N)		3.81	0.10	mg/L	
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**				
Analysis Date: 04/25/11					
Nitrate + Nitrite (as N)		< 0.10	0.10	mg/L	
Total Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/02/11			Preparation Date: 05/02/11		
Arsenic		0.040	0.002	mg/L	
Barium		0.620	0.001	mg/L	
Cadmium		0.003	0.001	mg/L	
Chromium		0.066	0.001	mg/L	
Lead		0.065	0.002	mg/L	
Selenium		< 0.002	0.002	mg/L	
Silver		< 0.001	0.001	mg/L	
Total Metals	**Method: 7470A**				
Analysis Date: 04/27/11					
Mercury		< 0.0005	0.0005	mg/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: GP-35B
Sample No: 11-1632-029

Date Collected: 04/22/11
Time Collected: 9:15
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte		Result	R.L.	Units	Flags
Ammonia (as N)	**Method: 350.1R2.0**				
Analysis Date: 04/26/11					
Ammonia (as N)		0.17	0.10	mg/L	
BOD, 5 Day	**Method: 5210B**				
Analysis Date: 04/22/11 14:00					
BOD, 5 Day		8	1	mg/L	
Chloride	**Method: 4500Cl, E**				
Analysis Date: 04/28/11					
Chloride		10	5	mg/L	
Chloride, Dissolved	**Method: 4500Cl, E**				
Analysis Date: 04/28/11					
Chloride, Dissolved		10	5	mg/L	
COD	**Method: 5220D**				
Analysis Date: 04/28/11					
COD		11	10	mg/L	
Cyanide, Total	**Method: 335.4R1.0**				
Analysis Date: 04/28/11					
Cyanide, Total		< 0.005	0.005	mg/L	
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**				
Analysis Date: 04/25/11					
Nitrate + Nitrite (as N)		< 0.10	0.10	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**				
Analysis Date: 04/25/11					
Nitrate (as N) Dissolved		< 0.10	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**				
Analysis Date: 04/27/11					
Sulfate, Dissolved		377	15	mg/L	
Total Dissolved Solids	**Method: 2540C**				
Analysis Date: 04/28/11					
Total Dissolved Solids		978	10	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**				
Analysis Date: 04/27/11					
Acetone		< 100	100	ug/L	
Benzene		< 5.0	5.0	ug/L	
Bromodichloromethane		< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client:	RMT, INC.	**Date Collected:**	04/22/11
Project ID:	MNL GW Sampling	**Time Collected:**	9:15
Sample ID:	GP-35B	**Date Received:**	04/22/11
Sample No:	11-1632-029	**Date Reported:**	05/10/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/27/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/29/11		Preparation Date: 04/27/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client:	RMT, INC.	**Date Collected:**	04/22/11
Project ID:	MNL GW Sampling	**Time Collected:**	9:15
Sample ID:	GP-35B	**Date Received:**	04/22/11
Sample No:	11-1632-029	**Date Reported:**	05/10/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/29/11		Preparation Date: 04/27/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: GP-35B
Sample No: 11-1632-029

Date Collected: 04/22/11
Time Collected: 9:15
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/29/11		Preparation Date: 04/27/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/28/11		Preparation Date: 04/27/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: GP-35B
Sample No: 11-1632-029

Date Collected: 04/22/11
Time Collected: 9:15
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte		Result	R.L.	Units	Flags
Total Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 04/28/11			Preparation Date: 04/28/11		
Arsenic		0.010	0.002	mg/L	
Barium		0.064	0.001	mg/L	
Cadmium		< 0.001	0.001	mg/L	
Chromium		0.011	0.001	mg/L	
Lead		0.014	0.002	mg/L	
Selenium		< 0.002	0.002	mg/L	
Silver		< 0.001	0.001	mg/L	
Total Metals	**Method: 7470A**				
Analysis Date: 04/27/11					
Mercury		< 0.0005	0.0005	mg/L	
Dissolved Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 04/28/11			Preparation Date: 04/28/11		
Arsenic, diss.		< 0.002	0.002	mg/L	
Barium, diss.		0.025	0.001	mg/L	
Cadmium, diss.		< 0.001	0.001	mg/L	
Chromium, diss.		< 0.001	0.001	mg/L	
Lead, diss.		< 0.002	0.002	mg/L	
Selenium, diss.		< 0.002	0.002	mg/L	
Silver, diss.		< 0.001	0.001	mg/L	
Boron, diss.		0.04	0.01	mg/L	
Magnesium, diss.		76.0	0.1	mg/L	
Zinc, diss.		< 0.005	0.005	mg/L	
Dissolved Metals	**Method: 7470A**				
Analysis Date: 04/28/11					
Mercury, diss.		< 0.0005	0.0005	mg/L	
Dissolved Gases	**Method: RSK175**				
Analysis Date: 04/27/11					
Methane		79.6	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: Trip Blank # 1
Sample No: 11-1632-030

Date Collected:
Time Collected:
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/27/11				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: Trip Blank # 2
Sample No: 11-1632-031

Date Collected:
Time Collected:
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/27/11				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: MNL GW Sampling
Sample ID: Trip Blank # 3
Sample No: 11-1632-032

Date Collected:
Time Collected:
Date Received: 04/22/11
Date Reported: 05/10/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/27/11				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	

CHAIN OF CUSTODY RECORD

First Environmental Laboratories, Inc.

First Environmental Laboratories
1600 Shore Road, Suite D
Naperville, Illinois 60563
Phone: (630) 778-1200 • Fax: (630) 778-1233
E-mail: firstinfo@firstenv.com
IEPA Certification #100292

Company Name: RMT, Inc
Street Address: 744 Heartland Tr
City: Madison State: WI Zip: 53717
Phone: 608 831 4444 Fax: e-mail:
Send Report To: Peggy Popp / Nate Keller Via: Fax ☐ e-mail ☒
Sampled By: Nate Keller, Ted O'Connor / Jesse Pryor

Project I.D.: MNL GW Sampling
P.O. #:

Matrix Codes: S = Soil W = Water O = Other

Analyses

Date/Time Taken	Sample Description	Matrix	Methane & VOCs	Dissolved Metals	Dissolved Cl, SO4	Dissolved NO3	SVOCs PAHs	Total Metals	Total NO3, NH4, COD	Total Cl, TDS, DOC CN	Comments	Lab I.D.
4/21 1115	G-113 MS	GW	X	X	X	X	X	X	X	X		11-1632-001
↓ ↓	G-113	↓	↓	↓	↓	↓	↓	↓	↓	↓		
	G113 MSD											
4/22 830	G112R											002
4/21 —	Dup-05											003
4/21 1645	MW-203											004
4/21 1440	G-119											005
4/21 —	Dup-04											006
4/21 1530	G-118	↓										007
4/21 1430	FB-01	W										008
4/21 1315	P-119B	GW										009
4/22 1010	MW-202	↓	↓	↓	↓	↓	↓	↓	↓	↓		010

FOR LAB USE ONLY:

Cooler Temperature: 0.1-6ºC Yes X No. 2.6 ºC
Received within 6 hrs. of collection:
Ice Present: Yes X No

Sample Refrigerated: Yes No
Refrigerator Temperature: ºC
5035 Vials Frozen: Yes No
Freezer Temperature: ºC

Containers Received Preserved: ☐ Yes ☐ No
Need to meet: IL. TACO ☐ IN. RISC ☐

Notes and Special Instructions:

Relinquished By: [signature] Date/Time 4/22/11
Received By: [signature] Date/Time 4/22/11 1:30pm
Relinquished By: Date/Time
Received By: Date/Time

Rev. 9/08

CHAIN OF CUSTODY RECORD

First Environmental Laboratories, Inc.

First Environmental Laboratories
1600 Shore Road, Suite D
Naperville, Illinois 60563
Phone: (630) 778-1200 • Fax: (630) 778-1233
E-mail: firstinfo@firstenv.com
IEPA Certification #100292

Company Name: See Pg 1
Street Address:
City: State: Zip:
Phone: Fax: e-mail:
Send Report To: Via: Fax ☐ e-mail ☐
Sampled By:

Project I.D.: MWL GW Sampling
P.O. #.:

Matrix Codes: S = Soil W = Water O = Other

Analyses

Date/Time Taken	Sample Description	Matrix	Methane	VOCs	Dissolved Metals	Dissolved Cl + SO4	Dissolved NO3	SVOCs / PAHs	Total Metals	Total NO2, NO3, NH4	Total Cl, TDS, COD	CN	Comments	Lab I.D.
4/21 1610	GP-24B	GW	X	X	X	X	X	X	X	X	X	X		11-1632-011
4/21 845	GP-4B		↓	↓	↓	↓	↓	↓	↓	↓	↓	↓		012
4/21 1505	GP-23B		X	X	X	X	X	X						013
4/22 945	GP-23B									X	X			014
4/21 1035	GP-16A		X	X	X	X	X							015
4/22 1035	GP-16A							X	X	X	X			016
4/21 1120	GP-29A		X	X	X	X								017
4/22 1030	GP-29A						X	X	X					018
4/21 1155	GP-21A		X	X	X	X	X							019
4/22 1020	GP-21A							X	X	X				020
4/21 1350	GP-30B		X	X	X	X								021
4/22 1005	GP-30B	↓					X	X	X					022

FOR LAB USE ONLY:

Cooler Temperature: 0.1-6ºC Yes X No.__ <6 ºC
Received within 6 hrs. of collection:_____
Ice Present: Yes X No__

Sample Refrigerated: Yes__ No__
Refrigerator Temperature:_____ºC
5035 Vials Frozen: Yes__ No__
Freezer Temperature:_____ºC

Containers Received Preserved: ☐ Yes ☐ No
Need to meet: IL. TACO ☐ IN. RISC ☐

Notes and Special Instructions:

Relinquished By: [signature] Date/Time 4/22/11 Received By: [signature] Date/Time 4/22/11 1:30pm
Relinquished By: Date/Time Received By: Date/Time

Rev. 9/08

CHAIN OF CUSTODY RECORD

First Environmental Laboratories, Inc.

First Environmental Laboratories
1600 Shore Road, Suite D
Naperville, Illinois 60563
Phone: (630) 778-1200 • Fax: (630) 778-1233
E-mail: firstinfo@firstenv.com
IEPA Certification #100292

Company Name:
Street Address:
City: State: Zip:
Phone: Fax: e-mail:
Send Report To: Via: Fax ☐ e-mail ☐
Sampled By:

Project I.D.:
P.O. #.:

Matrix Codes: S = Soil W = Water O = Other

Analyses

Date/Time Taken	Sample Description	Matrix	Methane	VOCs	Dissolved Metals	Digested Metals	Dissolved Cl, SO_4	Dissolved NO_3	SVOCs / PAH	Total Metals	Total NO_3, NO_2, NH_4, COD	Total Cl, TDS, BOD	CN	Comments	Lab I.D.
4/21 1430	GP-23A	GW	X	X	X	X	X	X							11-1632-023
4/22 945	GP-23A	↓									X	X			024
4/21 1700	GP-~~4B~~ NK 2A		X	X	X	X	X								025
4/22 1140	GP-2A							X			X	X	X		026
4/21 920	GP-4C		X	X	X	X									027
4/22 1100	GP-4C							X	X						028
4/22 915	GP-35B		X	X	X	X	X	X	X	X	X	X	X		029
	Trip Blank #1														030
	#2														031
	#3														032

FOR LAB USE ONLY:

Cooler Temperature: 0.1-6ºC Yes X No.__ <6 ºC
Received within 6 hrs. of collection:_____
Ice Present: Yes X No__

Sample Refrigerated: Yes__ No__
Refrigerator Temperature:_____ºC
5035 Vials Frozen: Yes__ No__
Freezer Temperature:_____ºC

Containers Received Preserved: ☐ Yes ☐ No
Need to meet: IL. TACO ☐ IN. RISC ☐

Notes and Special Instructions:

Relinquished By: Nathaniel R Kilber Date/Time 4/22/11 Received By: [illegible] Date/Time 4/22/11 1120pm
Relinquished By: Date/Time Received By: Date/Time

Rev. 9/08

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

May 11, 2011

Mr. Jason Schoephoester
RMT, INC.
744 Heartland Trail
Madison, WI 53717

Project ID: Mallard North Landfill 01793.04.004
First Environmental File ID: 11-1686
Date Received: April 26, 2011

Dear Mr. Jason Schoephoester:

The above referenced project was analyzed as directed on the enclosed chain of custody record.

All Quality Control criteria as outlined in the methods and current IL ELAP/NELAP have been met unless otherwise noted. QA/QC documentation and raw data will remain on file for future reference. Our accreditation number is 100292 and our current certificate is number 002687: effective 03/01/2011 through 02/28/2012.

I thank you for the opportunity to be of service to you and look forward to working with you again in the future. Should you have any questions regarding any of the enclosed analytical data or need additional information, please contact me at (630) 778-1200.

Sincerely,

Stan Zaworski
Project Manager

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Case Narrative

RMT, INC.

Project ID: **Mallard North Landfill 01793.04.004**

First Environmental File ID: **11-1686**

Date Received: **April 26, 2011**

Flag	Description	Flag	Description
<	Analyte not detected at or above the reporting limit.	L+	LCS recovery outside control limits; high bias.
B	Analyte detected in associated method blank.	L-	LCS recovery outside control limits; low bias.
C	Identification confirmed by GC/MS.	M	MS recovery outside control limits; LCS acceptable.
D	Surrogates diluted out; recovery not available.	M+	MS recovery outside control limits high bias; LCS acceptable.
E	Estimated result; concentration exceeds calibration range.	M-	MS recovery outside control limits low bias; LCS acceptable.
F	Field measurement.	N	Analyte is not part of our NELAC accreditation.
		ND	Analyte was not detected using a library search routine; No calibration standard was analyzed.
G	Surrogate recovery outside control limits; matrix effect.	P	Chemical preservation pH adjusted in lab.
H	Analysis or extraction holding time exceeded.	Q	The analyte was determined by a GC/MS database search.
J	Estimated result; concentration is less than calib range.	S	Analyte was sub-contracted to another laboratory for analysis.
K	RPD outside control limits.	T	Sample temperature upon receipt exceeded 0-6°C
RL	Routine Reporting Limit (Lowest amount that can be detected when routine weights/volumes are used without dilution.)	W	Reporting limit elevated due to sample matrix.

All quality control criteria, as outlined in the methods, have been met except as noted below or on the following analytical report.

Sample Batch Comments:

Sample acceptance criteria were met.

Method Comments

Lab Number	Sample ID	Comments:
11-1686-015	DUP-06	*Semi-Volatile Compounds* Surrogates recovery outside control limits; low bias.
11-1686-021	FB-02	*Semi-Volatile Compounds* Surrogates recovery outside control limits; low bias.

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: G114S
Sample No: 11-1686-001

Date Collected: 04/25/11
Time Collected: 17:40
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte		Result	R.L.	Units	Flags
Ammonia (as N)	**Method: 350.1R2.0**				
Analysis Date: 05/06/11					
Ammonia (as N)		116	0.10	mg/L	
BOD, 5 Day	**Method: 5210B**				
Analysis Date: 04/27/11 15:30					
BOD, 5 Day		4	1	mg/L	
Chloride	**Method: 4500Cl, E**				
Analysis Date: 05/03/11					
Chloride		690	5	mg/L	
Chloride, Dissolved	**Method: 4500Cl, E**				
Analysis Date: 05/03/11					
Chloride, Dissolved		710	5	mg/L	
COD	**Method: 5220D**				
Analysis Date: 04/28/11					
COD		297	10	mg/L	
Cyanide, Total	**Method: 335.4R1.0**				
Analysis Date: 04/29/11					
Cyanide, Total		< 0.005	0.005	mg/L	
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**				
Analysis Date: 04/29/11					
Nitrate + Nitrite (as N)		< 0.10	0.10	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**				
Analysis Date: 04/29/11					
Nitrate (as N) Dissolved		0.20	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**				
Analysis Date: 05/02/11					
Sulfate, Dissolved		78	15	mg/L	
Total Dissolved Solids	**Method: 2540C**				
Analysis Date: 05/02/11					
Total Dissolved Solids		2,460	10	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**				
Analysis Date: 04/29/11					
Acetone		< 100	100	ug/L	
Benzene		< 5.0	5.0	ug/L	
Bromodichloromethane		< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: G114S
Sample No: 11-1686-001

Date Collected: 04/25/11
Time Collected: 17:40
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/29/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/29/11		Preparation Date: 04/29/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: G114S
Sample No: 11-1686-001

Date Collected: 04/25/11
Time Collected: 17:40
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/29/11		Preparation Date: 04/29/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: G114S
Sample No: 11-1686-001

Date Collected: 04/25/11
Time Collected: 17:40
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/29/11		Preparation Date: 04/29/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/29/11		Preparation Date: 04/29/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: G114S
Sample No: 11-1686-001

Date Collected: 04/25/11
Time Collected: 17:40
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Total Metals — **Method: 6010B** — **Preparation Method 3010A**				
Analysis Date: 05/04/11 — Preparation Date: 05/02/11				
Arsenic	0.031	0.002	mg/L	
Barium	0.839	0.001	mg/L	
Cadmium	< 0.001	0.001	mg/L	
Chromium	0.003	0.001	mg/L	
Lead	< 0.002	0.002	mg/L	
Selenium	< 0.002	0.002	mg/L	
Silver	< 0.001	0.001	mg/L	
Total Metals — **Method: 7470A**				
Analysis Date: 04/29/11				
Mercury	< 0.0005	0.0005	mg/L	
Dissolved Metals — **Method: 6010B** — **Preparation Method 3010A**				
Analysis Date: 05/06/11 — Preparation Date: 05/04/11				
Arsenic, diss.	0.029	0.002	mg/L	
Barium, diss.	0.817	0.001	mg/L	
Cadmium, diss.	< 0.001	0.001	mg/L	
Chromium, diss.	0.003	0.001	mg/L	
Lead, diss.	< 0.002	0.002	mg/L	
Selenium, diss.	< 0.002	0.002	mg/L	
Silver, diss.	< 0.001	0.001	mg/L	
Boron, diss.	1.75	0.01	mg/L	
Magnesium, diss.	157	0.1	mg/L	
Zinc, diss.	0.025	0.005	mg/L	
Dissolved Metals — **Method: 7470A**				
Analysis Date: 05/02/11				
Mercury, diss.	< 0.0005	0.0005	mg/L	
Dissolved Gases — **Method: RSK175**				
Analysis Date: 05/02/11				
Methane	955	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: G114D
Sample No: 11-1686-002

Date Collected: 04/25/11
Time Collected: 15:50
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Ammonia (as N)	**Method: 350.1R2.0**			
Analysis Date: 05/06/11				
Ammonia (as N)	154	0.10	mg/L	
BOD, 5 Day	**Method: 5210B**			
Analysis Date: 04/27/11 15:30				
BOD, 5 Day	4	1	mg/L	
Chloride	**Method: 4500Cl, E**			
Analysis Date: 05/03/11				
Chloride	760	5	mg/L	
Chloride, Dissolved	**Method: 4500Cl, E**			
Analysis Date: 05/03/11				
Chloride, Dissolved	810	5	mg/L	
COD	**Method: 5220D**			
Analysis Date: 04/28/11				
COD	349	10	mg/L	
Cyanide, Total	**Method: 335.4R1.0**			
Analysis Date: 04/29/11				
Cyanide, Total	< 0.005	0.005	mg/L	
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**			
Analysis Date: 04/29/11				
Nitrate + Nitrite (as N)	< 0.10	0.10	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**			
Analysis Date: 04/29/11				
Nitrate (as N) Dissolved	< 0.10	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**			
Analysis Date: 05/02/11				
Sulfate, Dissolved	36	15	mg/L	
Total Dissolved Solids	**Method: 2540C**			
Analysis Date: 05/02/11				
Total Dissolved Solids	2,650	10	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**			
Analysis Date: 04/29/11				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: G114D
Sample No: 11-1686-002

Date Collected: 04/25/11
Time Collected: 15:50
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds	**Method: 5030B/8260B**			
Analysis Date: 04/29/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds	**Method: 8270C**	**Preparation Method 3510C**		
Analysis Date: 04/29/11		Preparation Date: 04/29/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: G114D
Sample No: 11-1686-002

Date Collected: 04/25/11
Time Collected: 15:50
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/29/11		Preparation Date: 04/29/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: G114D
Sample No: 11-1686-002

Date Collected: 04/25/11
Time Collected: 15:50
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/29/11		Preparation Date: 04/29/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/29/11		Preparation Date: 04/29/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: G114D
Sample No: 11-1686-002

Date Collected: 04/25/11
Time Collected: 15:50
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Total Metals — **Method: 6010B** — **Preparation Method 3010A**				
Analysis Date: 05/04/11 — Preparation Date: 05/02/11				
Arsenic	0.034	0.002	mg/L	
Barium	0.981	0.001	mg/L	
Cadmium	< 0.001	0.001	mg/L	
Chromium	0.004	0.001	mg/L	
Lead	< 0.002	0.002	mg/L	
Selenium	< 0.002	0.002	mg/L	
Silver	< 0.001	0.001	mg/L	
Total Metals — **Method: 7470A**				
Analysis Date: 04/29/11				
Mercury	< 0.0005	0.0005	mg/L	
Dissolved Metals — **Method: 6010B** — **Preparation Method 3010A**				
Analysis Date: 05/06/11 — Preparation Date: 05/04/11				
Arsenic, diss.	0.033	0.002	mg/L	
Barium, diss.	0.964	0.001	mg/L	
Cadmium, diss.	< 0.001	0.001	mg/L	
Chromium, diss.	0.003	0.001	mg/L	
Lead, diss.	< 0.002	0.002	mg/L	
Selenium, diss.	< 0.002	0.002	mg/L	
Silver, diss.	< 0.001	0.001	mg/L	
Boron, diss.	1.97	0.01	mg/L	
Magnesium, diss.	167	0.1	mg/L	
Zinc, diss.	0.006	0.005	mg/L	
Dissolved Metals — **Method: 7470A**				
Analysis Date: 05/02/11				
Mercury, diss.	< 0.0005	0.0005	mg/L	
Dissolved Gases — **Method: RSK175**				
Analysis Date: 05/02/11				
Methane	1,160	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: GP-4C
Sample No: 11-1686-003

Date Collected: 04/25/11
Time Collected: 10:10
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte		Result	R.L.	Units	Flags
Chloride	**Method: 4500Cl, E**				
Analysis Date: 05/03/11					
Chloride		11	5	mg/L	
Cyanide, Total	**Method: 335.4R1.0**				
Analysis Date: 04/29/11					
Cyanide, Total		< 0.005	0.005	mg/L	
BOD, 5 Day	**Method: 5210B**				
Analysis Date: 04/27/11 15:30					
BOD, 5 Day		1	1	mg/L	
Total Dissolved Solids	**Method: 2540C**				
Analysis Date: 05/02/11					
Total Dissolved Solids		1,490	10	mg/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: GP-29A
Sample No: 11-1686-004

Date Collected: 04/25/11
Time Collected: 10:35
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Cyanide, Total **Method: 335.4R1.0**				
Analysis Date: 04/29/11				
Cyanide, Total	< 0.005	0.005	mg/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: GP-30B
Sample No: 11-1686-005

Date Collected: 04/25/11
Time Collected: 11:15
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Cyanide, Total	**Method: 335.4R1.0**			
Analysis Date: 04/29/11				
Cyanide, Total	< 0.005	0.005	mg/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: GP-2B
Sample No: 11-1686-006

Date Collected: 04/25/11
Time Collected: 17:55
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte		Result	R.L.	Units	Flags
Ammonia (as N)	**Method: 350.1R2.0**				
Analysis Date: 05/06/11					
Ammonia (as N)		112	0.10	mg/L	
BOD, 5 Day	**Method: 5210B**				
Analysis Date: 04/27/11 15:30					
BOD, 5 Day		32	1	mg/L	
Chloride	**Method: 4500Cl, E**				
Analysis Date: 05/03/11					
Chloride		1,110	5	mg/L	
Chloride, Dissolved	**Method: 4500Cl, E**				
Analysis Date: 05/03/11					
Chloride, Dissolved		1,140	5	mg/L	
COD	**Method: 5220D**				
Analysis Date: 04/28/11					
COD		499	10	mg/L	
Cyanide, Total	**Method: 335.4R1.0**				
Analysis Date: 04/29/11					
Cyanide, Total		0.009	0.005	mg/L	
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**				
Analysis Date: 04/29/11					
Nitrate + Nitrite (as N)		< 0.10	0.10	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**				
Analysis Date: 04/29/11					
Nitrate (as N) Dissolved		< 0.10	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**				
Analysis Date: 05/02/11					
Sulfate, Dissolved		26	15	mg/L	
Total Dissolved Solids	**Method: 2540C**				
Analysis Date: 05/02/11					
Total Dissolved Solids		3,770	10	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**				
Analysis Date: 04/29/11					
Acetone		< 100	100	ug/L	
Benzene		< 5.0	5.0	ug/L	
Bromodichloromethane		< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: GP-2B
Sample No: 11-1686-006

Date Collected: 04/25/11
Time Collected: 17:55
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds	**Method: 5030B/8260B**			
Analysis Date: 04/29/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds	**Method: 8270C**	**Preparation Method 3510C**		
Analysis Date: 04/29/11		Preparation Date: 04/29/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: GP-2B
Sample No: 11-1686-006

Date Collected: 04/25/11
Time Collected: 17:55
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/29/11		Preparation Date: 04/29/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: GP-2B
Sample No: 11-1686-006

Date Collected: 04/25/11
Time Collected: 17:55
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C** Analysis Date: 04/29/11		**Preparation Method 3510C** Preparation Date: 04/29/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C** Analysis Date: 04/29/11		**Preparation Method 3510C** Preparation Date: 04/29/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: GP-2B
Sample No: 11-1686-006

Date Collected: 04/25/11
Time Collected: 17:55
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Total Metals **Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/04/11		Preparation Date: 05/02/11		
Arsenic	< 0.002	0.002	mg/L	
Barium	1.47	0.001	mg/L	
Cadmium	< 0.001	0.001	mg/L	
Chromium	0.004	0.001	mg/L	
Lead	< 0.002	0.002	mg/L	
Selenium	< 0.002	0.002	mg/L	
Silver	< 0.001	0.001	mg/L	
Total Metals **Method: 7470A**				
Analysis Date: 04/29/11				
Mercury	< 0.0005	0.0005	mg/L	
Dissolved Metals **Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/06/11		Preparation Date: 05/04/11		
Arsenic, diss.	< 0.002	0.002	mg/L	
Barium, diss.	1.39	0.001	mg/L	
Cadmium, diss.	< 0.001	0.001	mg/L	
Chromium, diss.	0.003	0.001	mg/L	
Lead, diss.	< 0.002	0.002	mg/L	
Selenium, diss.	< 0.002	0.002	mg/L	
Silver, diss.	< 0.001	0.001	mg/L	
Boron, diss.	2.47	0.01	mg/L	
Magnesium, diss.	374	0.1	mg/L	
Zinc, diss.	< 0.005	0.005	mg/L	
Dissolved Metals **Method: 7470A**				
Analysis Date: 05/02/11				
Mercury, diss.	< 0.0005	0.0005	mg/L	
Dissolved Gases **Method: RSK175**				
Analysis Date: 05/02/11				
Methane	2,060	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: GP-32B
Sample No: 11-1686-007

Date Collected: 04/25/11
Time Collected: 15:35
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Ammonia (as N)	**Method: 350.1R2.0**			
Analysis Date: 05/06/11				
Ammonia (as N)	14.1	0.10	mg/L	
BOD, 5 Day	**Method: 5210B**			
Analysis Date: 04/27/11 15:30				
BOD, 5 Day	2	1	mg/L	
Chloride	**Method: 4500Cl, E**			
Analysis Date: 05/03/11				
Chloride	277	5	mg/L	
Chloride, Dissolved	**Method: 4500Cl, E**			
Analysis Date: 05/03/11				
Chloride, Dissolved	274	5	mg/L	
COD	**Method: 5220D**			
Analysis Date: 04/28/11				
COD	34	10	mg/L	
Cyanide, Total	**Method: 335.4R1.0**			
Analysis Date: 04/29/11				
Cyanide, Total	< 0.005	0.005	mg/L	
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**			
Analysis Date: 04/29/11				
Nitrate + Nitrite (as N)	< 0.10	0.10	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**			
Analysis Date: 04/29/11				
Nitrate (as N) Dissolved	< 0.10	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**			
Analysis Date: 05/02/11				
Sulfate, Dissolved	45	15	mg/L	
Total Dissolved Solids	**Method: 2540C**			
Analysis Date: 05/02/11				
Total Dissolved Solids	1,180	10	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**			
Analysis Date: 04/29/11				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: GP-32B
Sample No: 11-1686-007

Date Collected: 04/25/11
Time Collected: 15:35
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/29/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/29/11		Preparation Date: 04/29/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: GP-32B
Sample No: 11-1686-007

Date Collected: 04/25/11
Time Collected: 15:35
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/29/11		Preparation Date: 04/29/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: GP-32B
Sample No: 11-1686-007

Date Collected: 04/25/11
Time Collected: 15:35
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/29/11		Preparation Date: 04/29/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/29/11		Preparation Date: 04/29/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: GP-32B
Sample No: 11-1686-007

Date Collected: 04/25/11
Time Collected: 15:35
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte		Result	R.L.	Units	Flags
Total Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/04/11			Preparation Date: 05/02/11		
Arsenic		< 0.002	0.002	mg/L	
Barium		0.712	0.001	mg/L	
Cadmium		< 0.001	0.001	mg/L	
Chromium		0.002	0.001	mg/L	
Lead		0.002	0.002	mg/L	
Selenium		< 0.002	0.002	mg/L	
Silver		< 0.001	0.001	mg/L	
Total Metals	**Method: 7470A**				
Analysis Date: 04/29/11					
Mercury		< 0.0005	0.0005	mg/L	
Dissolved Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/06/11			Preparation Date: 05/04/11		
Arsenic, diss.		< 0.002	0.002	mg/L	
Barium, diss.		0.717	0.001	mg/L	
Cadmium, diss.		< 0.001	0.001	mg/L	
Chromium, diss.		< 0.001	0.001	mg/L	
Lead, diss.		< 0.002	0.002	mg/L	
Selenium, diss.		< 0.002	0.002	mg/L	
Silver, diss.		< 0.001	0.001	mg/L	
Boron, diss.		0.50	0.01	mg/L	
Magnesium, diss.		88.7	0.1	mg/L	
Zinc, diss.		< 0.005	0.005	mg/L	
Dissolved Metals	**Method: 7470A**				
Analysis Date: 05/02/11					
Mercury, diss.		< 0.0005	0.0005	mg/L	
Dissolved Gases	**Method: RSK175**				
Analysis Date: 05/02/11					
Methane		225	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: GP-19
Sample No: 11-1686-008

Date Collected: 04/25/11
Time Collected: 13:05
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Ammonia (as N) **Method: 350.1R2.0**				
Analysis Date: 04/29/11				
Ammonia (as N)	0.58	0.10	mg/L	
BOD, 5 Day **Method: 5210B**				
Analysis Date: 04/27/11 15:30				
BOD, 5 Day	5	1	mg/L	
Chloride **Method: 4500Cl, E**				
Analysis Date: 05/03/11				
Chloride	15	5	mg/L	
Chloride, Dissolved **Method: 4500Cl, E**				
Analysis Date: 05/03/11				
Chloride, Dissolved	15	5	mg/L	
COD **Method: 5220D**				
Analysis Date: 04/28/11				
COD	16	10	mg/L	
Cyanide, Total **Method: 335.4R1.0**				
Analysis Date: 04/29/11				
Cyanide, Total	< 0.005	0.005	mg/L	
Nitrate + Nitrite (as N) **Method: 353.2R2.0**				
Analysis Date: 04/29/11				
Nitrate + Nitrite (as N)	< 0.10	0.10	mg/L	
Nitrate (as N), Dissolved **Method: 353.2R2.0**				
Analysis Date: 05/05/11				
Nitrate (as N) Dissolved	0.14	0.10	mg/L	
Sulfate, Dissolved **Method: 375.2R2.0**				
Analysis Date: 05/02/11				
Sulfate, Dissolved	199	15	mg/L	
Total Dissolved Solids **Method: 2540C**				
Analysis Date: 05/02/11				
Total Dissolved Solids	585	10	mg/L	
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/29/11				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: GP-19
Sample No: 11-1686-008

Date Collected: 04/25/11
Time Collected: 13:05
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds	**Method: 5030B/8260B**			
Analysis Date: 04/29/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds	**Method: 8270C**	**Preparation Method 3510C**		
Analysis Date: 04/29/11		Preparation Date: 04/29/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: GP-19
Sample No: 11-1686-008

Date Collected: 04/25/11
Time Collected: 13:05
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/29/11		Preparation Date: 04/29/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: GP-19
Sample No: 11-1686-008

Date Collected: 04/25/11
Time Collected: 13:05
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/29/11		Preparation Date: 04/29/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/29/11		Preparation Date: 04/29/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: GP-19
Sample No: 11-1686-008

Date Collected: 04/25/11
Time Collected: 13:05
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Total Metals **Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/04/11		Preparation Date: 05/02/11		
Arsenic	0.007	0.002	mg/L	
Barium	0.087	0.001	mg/L	
Cadmium	< 0.001	0.001	mg/L	
Chromium	0.010	0.001	mg/L	
Lead	0.027	0.002	mg/L	
Selenium	< 0.002	0.002	mg/L	
Silver	< 0.001	0.001	mg/L	
Total Metals **Method: 7470A**				
Analysis Date: 04/29/11				
Mercury	< 0.0005	0.0005	mg/L	
Dissolved Metals **Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/06/11		Preparation Date: 05/04/11		
Arsenic, diss.	< 0.002	0.002	mg/L	
Barium, diss.	0.034	0.001	mg/L	
Cadmium, diss.	< 0.001	0.001	mg/L	
Chromium, diss.	< 0.001	0.001	mg/L	
Lead, diss.	< 0.002	0.002	mg/L	
Selenium, diss.	< 0.002	0.002	mg/L	
Silver, diss.	< 0.001	0.001	mg/L	
Boron, diss.	0.10	0.01	mg/L	
Magnesium, diss.	49.0	0.1	mg/L	
Zinc, diss.	0.007	0.005	mg/L	
Dissolved Metals **Method: 7470A**				
Analysis Date: 05/02/11				
Mercury, diss.	< 0.0005	0.0005	mg/L	
Dissolved Gases **Method: RSK175**				
Analysis Date: 05/02/11				
Methane	675	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: G-115
Sample No: 11-1686-009

Date Collected: 04/25/11
Time Collected: 17:30
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte		Result	R.L.	Units	Flags
Ammonia (as N)	**Method: 350.1R2.0**				
Analysis Date: 05/06/11					
Ammonia (as N)		53.1	0.10	mg/L	
BOD, 5 Day	**Method: 5210B**				
Analysis Date: 04/27/11 15:30					
BOD, 5 Day		6	1	mg/L	
Chloride	**Method: 4500Cl, E**				
Analysis Date: 05/10/11					
Chloride		330	5	mg/L	
Chloride, Dissolved	**Method: 4500Cl, E**				
Analysis Date: 05/10/11					
Chloride, Dissolved		330	5	mg/L	
COD	**Method: 5220D**				
Analysis Date: 04/28/11					
COD		101	10	mg/L	
Cyanide, Total	**Method: 335.4R1.0**				
Analysis Date: 04/29/11					
Cyanide, Total		0.015	0.005	mg/L	
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**				
Analysis Date: 05/05/11					
Nitrate + Nitrite (as N)		66.1	0.10	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**				
Analysis Date: 05/05/11					
Nitrate (as N) Dissolved		64.6	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**				
Analysis Date: 05/02/11					
Sulfate, Dissolved		76	15	mg/L	
Total Dissolved Solids	**Method: 2540C**				
Analysis Date: 05/02/11					
Total Dissolved Solids		1,960	10	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**				
Analysis Date: 04/29/11					
Acetone		< 100	100	ug/L	
Benzene		< 5.0	5.0	ug/L	
Bromodichloromethane		< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: G-115
Sample No: 11-1686-009

Date Collected: 04/25/11
Time Collected: 17:30
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/29/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/29/11		Preparation Date: 04/29/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: G-115
Sample No: 11-1686-009

Date Collected: 04/25/11
Time Collected: 17:30
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/29/11		Preparation Date: 04/29/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: G-115
Sample No: 11-1686-009

Date Collected: 04/25/11
Time Collected: 17:30
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/29/11		Preparation Date: 04/29/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/29/11		Preparation Date: 04/29/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: G-115
Sample No: 11-1686-009

Date Collected: 04/25/11
Time Collected: 17:30
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Total Metals **Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/04/11		Preparation Date: 05/02/11		
Arsenic	< 0.002	0.002	mg/L	
Barium	0.449	0.001	mg/L	
Cadmium	< 0.001	0.001	mg/L	
Chromium	0.001	0.001	mg/L	
Lead	< 0.002	0.002	mg/L	
Selenium	< 0.002	0.002	mg/L	
Silver	< 0.001	0.001	mg/L	
Total Metals **Method: 7470A**				
Analysis Date: 04/29/11				
Mercury	< 0.0005	0.0005	mg/L	
Dissolved Metals **Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/06/11		Preparation Date: 05/04/11		
Arsenic, diss.	< 0.002	0.002	mg/L	
Barium, diss.	0.412	0.001	mg/L	
Cadmium, diss.	< 0.001	0.001	mg/L	
Chromium, diss.	0.001	0.001	mg/L	
Lead, diss.	< 0.002	0.002	mg/L	
Selenium, diss.	< 0.002	0.002	mg/L	
Silver, diss.	< 0.001	0.001	mg/L	
Boron, diss.	1.64	0.01	mg/L	
Magnesium, diss.	124	0.1	mg/L	
Zinc, diss.	0.025	0.005	mg/L	
Dissolved Metals **Method: 7470A**				
Analysis Date: 05/02/11				
Mercury, diss.	< 0.0005	0.0005	mg/L	
Dissolved Gases **Method: RSK175**				
Analysis Date: 05/02/11				
Methane	200	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: GP-25A
Sample No: 11-1686-010

Date Collected: 04/26/11
Time Collected: 10:10
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Ammonia (as N)	**Method: 350.1R2.0**			
Analysis Date: 04/29/11				
Ammonia (as N)	< 0.10	0.10	mg/L	
BOD, 5 Day	**Method: 5210B**			
Analysis Date: 04/28/11 15:00				
BOD, 5 Day	1	1	mg/L	
Chloride	**Method: 4500Cl, E**			
Analysis Date: 05/03/11				
Chloride	< 5	5	mg/L	
Chloride, Dissolved	**Method: 4500Cl, E**			
Analysis Date: 05/03/11				
Chloride, Dissolved	5	5	mg/L	
COD	**Method: 5220D**			
Analysis Date: 04/28/11				
COD	14	10	mg/L	
Cyanide, Total	**Method: 335.4R1.0**			
Analysis Date: 04/29/11				
Cyanide, Total	< 0.005	0.005	mg/L	
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**			
Analysis Date: 05/05/11				
Nitrate + Nitrite (as N)	< 0.10	0.10	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**			
Analysis Date: 04/29/11				
Nitrate (as N) Dissolved	0.32	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**			
Analysis Date: 05/04/11				
Sulfate, Dissolved	314	15	mg/L	
Total Dissolved Solids	**Method: 2540C**			
Analysis Date: 05/02/11				
Total Dissolved Solids	984	10	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**			
Analysis Date: 04/29/11				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: GP-25A
Sample No: 11-1686-010

Date Collected: 04/26/11
Time Collected: 10:10
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/29/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/02/11		Preparation Date: 04/29/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: GP-25A
Sample No: 11-1686-010

Date Collected: 04/26/11
Time Collected: 10:10
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/02/11		Preparation Date: 04/29/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: GP-25A
Sample No: 11-1686-010

Date Collected: 04/26/11
Time Collected: 10:10
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/02/11		Preparation Date: 04/29/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/29/11		Preparation Date: 04/29/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: GP-25A
Sample No: 11-1686-010

Date Collected: 04/26/11
Time Collected: 10:10
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Total Metals — **Method: 6010B** — **Preparation Method 3010A**				
Analysis Date: 05/04/11 — Preparation Date: 05/02/11				
Arsenic	< 0.002	0.002	mg/L	
Barium	0.006	0.001	mg/L	
Cadmium	< 0.001	0.001	mg/L	
Chromium	< 0.001	0.001	mg/L	
Lead	< 0.002	0.002	mg/L	
Selenium	< 0.002	0.002	mg/L	
Silver	< 0.001	0.001	mg/L	
Total Metals — **Method: 7470A**				
Analysis Date: 04/29/11				
Mercury	< 0.0005	0.0005	mg/L	
Dissolved Metals — **Method: 6010B** — **Preparation Method 3010A**				
Analysis Date: 05/06/11 — Preparation Date: 05/04/11				
Arsenic, diss.	< 0.002	0.002	mg/L	
Barium, diss.	0.010	0.001	mg/L	
Cadmium, diss.	< 0.001	0.001	mg/L	
Chromium, diss.	< 0.001	0.001	mg/L	
Lead, diss.	< 0.002	0.002	mg/L	
Selenium, diss.	< 0.002	0.002	mg/L	
Silver, diss.	< 0.001	0.001	mg/L	
Boron, diss.	0.05	0.01	mg/L	
Magnesium, diss.	82.2	0.1	mg/L	
Zinc, diss.	0.007	0.005	mg/L	
Dissolved Metals — **Method: 7470A**				
Analysis Date: 05/02/11				
Mercury, diss.	< 0.0005	0.0005	mg/L	
Dissolved Gases — **Method: RSK175**				
Analysis Date: 05/02/11				
Methane	113	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: GP-27B
Sample No: 11-1686-011

Date Collected: 04/26/11
Time Collected: 11:30
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte		Result	R.L.	Units	Flags
Ammonia (as N)	**Method: 350.1R2.0**				
Analysis Date: 04/29/11					
Ammonia (as N)		0.50	0.10	mg/L	
BOD, 5 Day	**Method: 5210B**				
Analysis Date: 04/28/11 15:00					
BOD, 5 Day		1	1	mg/L	
Chloride	**Method: 4500Cl, E**				
Analysis Date: 05/03/11					
Chloride		7	5	mg/L	
Chloride, Dissolved	**Method: 4500Cl, E**				
Analysis Date: 05/03/11					
Chloride, Dissolved		7	5	mg/L	
COD	**Method: 5220D**				
Analysis Date: 04/28/11					
COD		< 10	10	mg/L	
Cyanide, Total	**Method: 335.4R1.0**				
Analysis Date: 04/29/11					
Cyanide, Total		< 0.005	0.005	mg/L	
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**				
Analysis Date: 05/05/11					
Nitrate + Nitrite (as N)		< 0.10	0.10	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**				
Analysis Date: 04/29/11					
Nitrate (as N) Dissolved		< 0.10	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**				
Analysis Date: 05/04/11					
Sulfate, Dissolved		161	15	mg/L	
Total Dissolved Solids	**Method: 2540C**				
Analysis Date: 05/02/11					
Total Dissolved Solids		562	10	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**				
Analysis Date: 04/29/11					
Acetone		< 100	100	ug/L	
Benzene		< 5.0	5.0	ug/L	
Bromodichloromethane		< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: GP-27B
Sample No: 11-1686-011

Date Collected: 04/26/11
Time Collected: 11:30
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/29/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/02/11		Preparation Date: 04/29/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: GP-27B
Sample No: 11-1686-011

Date Collected: 04/26/11
Time Collected: 11:30
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/02/11		Preparation Date: 04/29/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: GP-27B
Sample No: 11-1686-011

Date Collected: 04/26/11
Time Collected: 11:30
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/02/11		Preparation Date: 04/29/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/29/11		Preparation Date: 04/29/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: GP-27B
Sample No: 11-1686-011

Date Collected: 04/26/11
Time Collected: 11:30
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Total Metals — **Method: 6010B** — **Preparation Method 3010A**				
Analysis Date: 05/04/11 — Preparation Date: 05/02/11				
Arsenic	0.007	0.002	mg/L	
Barium	0.050	0.001	mg/L	
Cadmium	< 0.001	0.001	mg/L	
Chromium	0.005	0.001	mg/L	
Lead	0.008	0.002	mg/L	
Selenium	< 0.002	0.002	mg/L	
Silver	< 0.001	0.001	mg/L	
Total Metals — **Method: 7470A**				
Analysis Date: 04/29/11				
Mercury	< 0.0005	0.0005	mg/L	
Dissolved Metals — **Method: 6010B** — **Preparation Method 3010A**				
Analysis Date: 05/06/11 — Preparation Date: 05/04/11				
Arsenic, diss.	< 0.002	0.002	mg/L	
Barium, diss.	0.031	0.001	mg/L	
Cadmium, diss.	< 0.001	0.001	mg/L	
Chromium, diss.	0.002	0.001	mg/L	
Lead, diss.	< 0.002	0.002	mg/L	
Selenium, diss.	< 0.002	0.002	mg/L	
Silver, diss.	< 0.001	0.001	mg/L	
Boron, diss.	0.07	0.01	mg/L	
Magnesium, diss.	54.8	0.1	mg/L	
Zinc, diss.	< 0.005	0.005	mg/L	
Dissolved Metals — **Method: 7470A**				
Analysis Date: 05/02/11				
Mercury, diss.	< 0.0005	0.0005	mg/L	
Dissolved Gases — **Method: RSK175**				
Analysis Date: 05/02/11				
Methane	260	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: GP-22A
Sample No: 11-1686-012

Date Collected: 04/26/11
Time Collected: 12:00
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Ammonia (as N)	**Method: 350.1R2.0**			
Analysis Date: 04/29/11				
Ammonia (as N)	< 0.10	0.10	mg/L	
BOD, 5 Day	**Method: 5210B**			
Analysis Date: 04/28/11 15:00				
BOD, 5 Day	2	1	mg/L	
Chloride	**Method: 4500Cl, E**			
Analysis Date: 05/03/11				
Chloride	6	5	mg/L	
Chloride, Dissolved	**Method: 4500Cl, E**			
Analysis Date: 05/03/11				
Chloride, Dissolved	5	5	mg/L	
COD	**Method: 5220D**			
Analysis Date: 04/28/11				
COD	15	10	mg/L	
Cyanide, Total	**Method: 335.4R1.0**			
Analysis Date: 04/29/11				
Cyanide, Total	< 0.005	0.005	mg/L	
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**			
Analysis Date: 04/29/11				
Nitrate + Nitrite (as N)	< 0.10	0.10	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**			
Analysis Date: 04/29/11				
Nitrate (as N) Dissolved	< 0.10	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**			
Analysis Date: 05/04/11				
Sulfate, Dissolved	299	15	mg/L	
Total Dissolved Solids	**Method: 2540C**			
Analysis Date: 05/02/11				
Total Dissolved Solids	837	10	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**			
Analysis Date: 04/29/11				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: GP-22A
Sample No: 11-1686-012

Date Collected: 04/26/11
Time Collected: 12:00
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/29/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/02/11		Preparation Date: 04/29/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: GP-22A
Sample No: 11-1686-012

Date Collected: 04/26/11
Time Collected: 12:00
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/02/11		Preparation Date: 04/29/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: GP-22A
Sample No: 11-1686-012

Date Collected: 04/26/11
Time Collected: 12:00
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/02/11		Preparation Date: 04/29/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/29/11		Preparation Date: 04/29/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: GP-22A
Sample No: 11-1686-012

Date Collected: 04/26/11
Time Collected: 12:00
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Total Metals **Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/04/11		Preparation Date: 05/02/11		
Arsenic	< 0.002	0.002	mg/L	
Barium	0.027	0.001	mg/L	
Cadmium	< 0.001	0.001	mg/L	
Chromium	< 0.001	0.001	mg/L	
Lead	< 0.002	0.002	mg/L	
Selenium	< 0.002	0.002	mg/L	
Silver	< 0.001	0.001	mg/L	
Total Metals **Method: 7470A**				
Analysis Date: 04/29/11				
Mercury	< 0.0005	0.0005	mg/L	
Dissolved Metals **Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/06/11		Preparation Date: 05/04/11		
Arsenic, diss.	< 0.002	0.002	mg/L	
Barium, diss.	0.028	0.001	mg/L	
Cadmium, diss.	< 0.001	0.001	mg/L	
Chromium, diss.	< 0.001	0.001	mg/L	
Lead, diss.	< 0.002	0.002	mg/L	
Selenium, diss.	< 0.002	0.002	mg/L	
Silver, diss.	< 0.001	0.001	mg/L	
Boron, diss.	0.05	0.01	mg/L	
Magnesium, diss.	70.6	0.1	mg/L	
Zinc, diss.	0.006	0.005	mg/L	
Dissolved Metals **Method: 7470A**				
Analysis Date: 05/02/11				
Mercury, diss.	< 0.0005	0.0005	mg/L	
Dissolved Gases **Method: RSK175**				
Analysis Date: 05/02/11				
Methane	< 2.0	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: MW-201D
Sample No: 11-1686-013

Date Collected: 04/26/11
Time Collected: 9:25
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Ammonia (as N) **Method: 350.1R2.0**				
Analysis Date: 04/29/11				
Ammonia (as N)	1.66	0.10	mg/L	
BOD, 5 Day **Method: 5210B**				
Analysis Date: 04/28/11 15:00				
BOD, 5 Day	2	1	mg/L	
Chloride **Method: 4500Cl, E**				
Analysis Date: 05/10/11				
Chloride	400	5	mg/L	
Chloride, Dissolved **Method: 4500Cl, E**				
Analysis Date: 05/10/11				
Chloride, Dissolved	420	5	mg/L	
COD **Method: 5220D**				
Analysis Date: 04/29/11				
COD	67	10	mg/L	
Cyanide, Total **Method: 335.4R1.0**				
Analysis Date: 04/29/11				
Cyanide, Total	< 0.005	0.005	mg/L	
Nitrate + Nitrite (as N) **Method: 353.2R2.0**				
Analysis Date: 04/29/11				
Nitrate + Nitrite (as N)	< 0.10	0.10	mg/L	
Nitrate (as N), Dissolved **Method: 353.2R2.0**				
Analysis Date: 04/29/11				
Nitrate (as N) Dissolved	< 0.10	0.10	mg/L	
Sulfate, Dissolved **Method: 375.2R2.0**				
Analysis Date: 05/02/11				
Sulfate, Dissolved	64	15	mg/L	
Total Dissolved Solids **Method: 2540C**				
Analysis Date: 05/02/11				
Total Dissolved Solids	1,150	10	mg/L	
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/29/11				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: MW-201D
Sample No: 11-1686-013

Date Collected: 04/26/11
Time Collected: 9:25
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/29/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/02/11		Preparation Date: 04/29/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: MW-201D
Sample No: 11-1686-013

Date Collected: 04/26/11
Time Collected: 9:25
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/02/11		Preparation Date: 04/29/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: MW-201D
Sample No: 11-1686-013

Date Collected: 04/26/11
Time Collected: 9:25
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C** Analysis Date: 05/02/11		**Preparation Method 3510C** Preparation Date: 04/29/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C** Analysis Date: 04/29/11		**Preparation Method 3510C** Preparation Date: 04/29/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: MW-201D
Sample No: 11-1686-013

Date Collected: 04/26/11
Time Collected: 9:25
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Total Metals **Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/04/11		Preparation Date: 05/02/11		
Arsenic	0.012	0.002	mg/L	
Barium	0.240	0.001	mg/L	
Cadmium	< 0.001	0.001	mg/L	
Chromium	0.002	0.001	mg/L	
Lead	< 0.002	0.002	mg/L	
Selenium	< 0.002	0.002	mg/L	
Silver	< 0.001	0.001	mg/L	
Total Metals **Method: 7470A**				
Analysis Date: 04/29/11				
Mercury	< 0.0005	0.0005	mg/L	
Dissolved Metals **Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/06/11		Preparation Date: 05/04/11		
Arsenic, diss.	0.009	0.002	mg/L	
Barium, diss.	0.210	0.001	mg/L	
Cadmium, diss.	< 0.001	0.001	mg/L	
Chromium, diss.	< 0.001	0.001	mg/L	
Lead, diss.	< 0.002	0.002	mg/L	
Selenium, diss.	< 0.002	0.002	mg/L	
Silver, diss.	< 0.001	0.001	mg/L	
Boron, diss.	0.21	0.01	mg/L	
Magnesium, diss.	81.8	0.1	mg/L	
Zinc, diss.	< 0.005	0.005	mg/L	
Dissolved Metals **Method: 7470A**				
Analysis Date: 05/02/11				
Mercury, diss.	< 0.0005	0.0005	mg/L	
Dissolved Gases **Method: RSK175**				
Analysis Date: 05/02/11				
Methane	207	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: MW-201S
Sample No: 11-1686-014

Date Collected: 04/26/11
Time Collected: 10:30
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Ammonia (as N)	**Method: 350.1R2.0**			
Analysis Date: 04/29/11				
Ammonia (as N)	0.68	0.10	mg/L	
BOD, 5 Day	**Method: 5210B**			
Analysis Date: 04/28/11 15:00				
BOD, 5 Day	4	1	mg/L	
Chloride	**Method: 4500Cl, E**			
Analysis Date: 05/03/11				
Chloride	19	5	mg/L	
Chloride, Dissolved	**Method: 4500Cl, E**			
Analysis Date: 05/03/11				
Chloride, Dissolved	19	5	mg/L	
COD	**Method: 5220D**			
Analysis Date: 04/29/11				
COD	12	10	mg/L	
Cyanide, Total	**Method: 335.4R1.0**			
Analysis Date: 04/29/11				
Cyanide, Total	< 0.005	0.005	mg/L	
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**			
Analysis Date: 04/29/11				
Nitrate + Nitrite (as N)	< 0.10	0.10	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**			
Analysis Date: 04/29/11				
Nitrate (as N) Dissolved	< 0.10	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**			
Analysis Date: 05/02/11				
Sulfate, Dissolved	201	15	mg/L	
Total Dissolved Solids	**Method: 2540C**			
Analysis Date: 05/02/11				
Total Dissolved Solids	602	10	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**			
Analysis Date: 04/29/11				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: MW-201S
Sample No: 11-1686-014

Date Collected: 04/26/11
Time Collected: 10:30
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/29/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/02/11		Preparation Date: 05/02/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: MW-201S
Sample No: 11-1686-014

Date Collected: 04/26/11
Time Collected: 10:30
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/02/11		Preparation Date: 05/02/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: MW-201S
Sample No: 11-1686-014

Date Collected: 04/26/11
Time Collected: 10:30
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/02/11		Preparation Date: 05/02/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/02/11		Preparation Date: 05/02/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: MW-201S
Sample No: 11-1686-014

Date Collected: 04/26/11
Time Collected: 10:30
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Total Metals **Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/04/11		Preparation Date: 05/02/11		
Arsenic	< 0.002	0.002	mg/L	
Barium	0.067	0.001	mg/L	
Cadmium	< 0.001	0.001	mg/L	
Chromium	0.001	0.001	mg/L	
Lead	< 0.002	0.002	mg/L	
Selenium	< 0.002	0.002	mg/L	
Silver	< 0.001	0.001	mg/L	
Total Metals **Method: 7470A**				
Analysis Date: 04/29/11				
Mercury	< 0.0005	0.0005	mg/L	
Dissolved Metals **Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/06/11		Preparation Date: 05/04/11		
Arsenic, diss.	< 0.002	0.002	mg/L	
Barium, diss.	0.064	0.001	mg/L	
Cadmium, diss.	< 0.001	0.001	mg/L	
Chromium, diss.	< 0.001	0.001	mg/L	
Lead, diss.	< 0.002	0.002	mg/L	
Selenium, diss.	< 0.002	0.002	mg/L	
Silver, diss.	< 0.001	0.001	mg/L	
Boron, diss.	0.07	0.01	mg/L	
Magnesium, diss.	52.2	0.1	mg/L	
Zinc, diss.	< 0.005	0.005	mg/L	
Dissolved Metals **Method: 7470A**				
Analysis Date: 05/02/11				
Mercury, diss.	< 0.0005	0.0005	mg/L	
Dissolved Gases **Method: RSK175**				
Analysis Date: 05/03/11				
Methane	26.9	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: DUP-06
Sample No: 11-1686-015

Date Collected: 04/26/11
Time Collected:
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Ammonia (as N) **Method: 350.1R2.0**				
Analysis Date: 04/29/11				
Ammonia (as N)	0.75	0.10	mg/L	
BOD, 5 Day **Method: 5210B**				
Analysis Date: 04/28/11 15:00				
BOD, 5 Day	1	1	mg/L	
Chloride **Method: 4500Cl, E**				
Analysis Date: 05/03/11				
Chloride	20	5	mg/L	
Chloride, Dissolved **Method: 4500Cl, E**				
Analysis Date: 05/03/11				
Chloride, Dissolved	20	5	mg/L	
COD **Method: 5220D**				
Analysis Date: 04/29/11				
COD	14	10	mg/L	
Cyanide, Total **Method: 335.4R1.0**				
Analysis Date: 04/29/11				
Cyanide, Total	< 0.005	0.005	mg/L	
Nitrate + Nitrite (as N) **Method: 353.2R2.0**				
Analysis Date: 04/29/11				
Nitrate + Nitrite (as N)	< 0.10	0.10	mg/L	
Nitrate (as N), Dissolved **Method: 353.2R2.0**				
Analysis Date: 04/29/11				
Nitrate (as N) Dissolved	< 0.10	0.10	mg/L	
Sulfate, Dissolved **Method: 375.2R2.0**				
Analysis Date: 05/02/11				
Sulfate, Dissolved	202	15	mg/L	
Total Dissolved Solids **Method: 2540C**				
Analysis Date: 05/02/11				
Total Dissolved Solids	618	10	mg/L	
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/29/11				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: DUP-06
Sample No: 11-1686-015

Date Collected: 04/26/11
Time Collected:
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/29/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/02/11		Preparation Date: 05/02/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: DUP-06
Sample No: 11-1686-015

Date Collected: 04/26/11
Time Collected:
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/02/11		Preparation Date: 05/02/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: DUP-06
Sample No: 11-1686-015

Date Collected: 04/26/11
Time Collected:
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/02/11		Preparation Date: 05/02/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/02/11		Preparation Date: 05/02/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: DUP-06
Sample No: 11-1686-015

Date Collected: 04/26/11
Time Collected:
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Total Metals **Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/04/11		Preparation Date: 05/02/11		
Arsenic	< 0.002	0.002	mg/L	
Barium	0.067	0.001	mg/L	
Cadmium	< 0.001	0.001	mg/L	
Chromium	< 0.001	0.001	mg/L	
Lead	< 0.002	0.002	mg/L	
Selenium	< 0.002	0.002	mg/L	
Silver	< 0.001	0.001	mg/L	
Total Metals **Method: 7470A**				
Analysis Date: 04/29/11				
Mercury	< 0.0005	0.0005	mg/L	
Dissolved Metals **Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/06/11		Preparation Date: 05/04/11		
Arsenic, diss.	< 0.002	0.002	mg/L	
Barium, diss.	0.061	0.001	mg/L	
Cadmium, diss.	< 0.001	0.001	mg/L	
Chromium, diss.	< 0.001	0.001	mg/L	
Lead, diss.	< 0.002	0.002	mg/L	
Selenium, diss.	< 0.002	0.002	mg/L	
Silver, diss.	< 0.001	0.001	mg/L	
Boron, diss.	0.06	0.01	mg/L	
Magnesium, diss.	50.3	0.1	mg/L	
Zinc, diss.	< 0.005	0.005	mg/L	
Dissolved Metals **Method: 7470A**				
Analysis Date: 05/02/11				
Mercury, diss.	< 0.0005	0.0005	mg/L	
Dissolved Gases **Method: RSK175**				
Analysis Date: 05/03/11				
Methane	23.5	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: G-101
Sample No: 11-1686-016

Date Collected: 04/26/11
Time Collected: 11:45
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Ammonia (as N)	**Method: 350.1R2.0**			
Analysis Date: 04/29/11				
Ammonia (as N)	< 0.10	0.10	mg/L	
BOD, 5 Day	**Method: 5210B**			
Analysis Date: 04/28/11 15:00				
BOD, 5 Day	1	1	mg/L	
Chloride	**Method: 4500Cl, E**			
Analysis Date: 05/03/11				
Chloride	16	5	mg/L	
Chloride, Dissolved	**Method: 4500Cl, E**			
Analysis Date: 05/03/11				
Chloride, Dissolved	17	5	mg/L	
COD	**Method: 5220D**			
Analysis Date: 04/29/11				
COD	< 10	10	mg/L	
Cyanide, Total	**Method: 335.4R1.0**			
Analysis Date: 04/29/11				
Cyanide, Total	< 0.005	0.005	mg/L	
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**			
Analysis Date: 04/29/11				
Nitrate + Nitrite (as N)	< 0.10	0.10	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**			
Analysis Date: 04/29/11				
Nitrate (as N) Dissolved	0.22	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**			
Analysis Date: 05/02/11				
Sulfate, Dissolved	780	15	mg/L	
Total Dissolved Solids	**Method: 2540C**			
Analysis Date: 05/02/11				
Total Dissolved Solids	1,740	10	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**			
Analysis Date: 04/29/11				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: G-101
Sample No: 11-1686-016

Date Collected: 04/26/11
Time Collected: 11:45
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/29/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/02/11		Preparation Date: 05/02/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: G-101
Sample No: 11-1686-016

Date Collected: 04/26/11
Time Collected: 11:45
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/02/11		Preparation Date: 05/02/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: G-101
Sample No: 11-1686-016

Date Collected: 04/26/11
Time Collected: 11:45
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C** Analysis Date: 05/02/11		**Preparation Method 3510C** Preparation Date: 05/02/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C** Analysis Date: 05/02/11		**Preparation Method 3510C** Preparation Date: 05/02/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: G-101
Sample No: 11-1686-016

Date Collected: 04/26/11
Time Collected: 11:45
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Total Metals **Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/04/11		Preparation Date: 05/02/11		
Arsenic	< 0.002	0.002	mg/L	
Barium	0.018	0.001	mg/L	
Cadmium	< 0.001	0.001	mg/L	
Chromium	< 0.001	0.001	mg/L	
Lead	< 0.002	0.002	mg/L	
Selenium	< 0.002	0.002	mg/L	
Silver	< 0.001	0.001	mg/L	
Total Metals **Method: 7470A**				
Analysis Date: 04/29/11				
Mercury	< 0.0005	0.0005	mg/L	
Dissolved Metals **Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/06/11		Preparation Date: 05/04/11		
Arsenic, diss.	< 0.002	0.002	mg/L	
Barium, diss.	0.013	0.001	mg/L	
Cadmium, diss.	< 0.001	0.001	mg/L	
Chromium, diss.	< 0.001	0.001	mg/L	
Lead, diss.	< 0.002	0.002	mg/L	
Selenium, diss.	< 0.002	0.002	mg/L	
Silver, diss.	< 0.001	0.001	mg/L	
Boron, diss.	0.11	0.01	mg/L	
Magnesium, diss.	131	0.1	mg/L	
Zinc, diss.	0.007	0.005	mg/L	
Dissolved Metals **Method: 7470A**				
Analysis Date: 05/02/11				
Mercury, diss.	< 0.0005	0.0005	mg/L	
Dissolved Gases **Method: RSK175**				
Analysis Date: 05/03/11				
Methane	< 2.0	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: GP-25B
Sample No: 11-1686-017

Date Collected: 04/26/11
Time Collected: 9:10
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Ammonia (as N)	**Method: 350.1R2.0**			
Analysis Date: 04/29/11				
Ammonia (as N)	< 0.10	0.10	mg/L	
BOD, 5 Day	**Method: 5210B**			
Analysis Date: 04/28/11 15:00				
BOD, 5 Day	1	1	mg/L	
Chloride	**Method: 4500Cl, E**			
Analysis Date: 05/03/11				
Chloride	8	5	mg/L	
Chloride, Dissolved	**Method: 4500Cl, E**			
Analysis Date: 05/03/11				
Chloride, Dissolved	8	5	mg/L	
COD	**Method: 5220D**			
Analysis Date: 04/29/11				
COD	< 10	10	mg/L	
Cyanide, Total	**Method: 335.4R1.0**			
Analysis Date: 04/29/11				
Cyanide, Total	< 0.005	0.005	mg/L	
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**			
Analysis Date: 04/29/11				
Nitrate + Nitrite (as N)	0.24	0.10	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**			
Analysis Date: 04/29/11				
Nitrate (as N) Dissolved	< 0.10	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**			
Analysis Date: 05/02/11				
Sulfate, Dissolved	82	15	mg/L	
Total Dissolved Solids	**Method: 2540C**			
Analysis Date: 05/02/11				
Total Dissolved Solids	383	10	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**			
Analysis Date: 04/29/11				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: GP-25B
Sample No: 11-1686-017

Date Collected: 04/26/11
Time Collected: 9:10
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/29/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/02/11		Preparation Date: 05/02/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: GP-25B
Sample No: 11-1686-017

Date Collected: 04/26/11
Time Collected: 9:10
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/02/11		Preparation Date: 05/02/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: GP-25B
Sample No: 11-1686-017

Date Collected: 04/26/11
Time Collected: 9:10
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/02/11		Preparation Date: 05/02/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/02/11		Preparation Date: 05/02/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: GP-25B
Sample No: 11-1686-017

Date Collected: 04/26/11
Time Collected: 9:10
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Total Metals **Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/04/11		Preparation Date: 05/02/11		
Arsenic	0.007	0.002	mg/L	
Barium	0.063	0.001	mg/L	
Cadmium	< 0.001	0.001	mg/L	
Chromium	< 0.001	0.001	mg/L	
Lead	< 0.002	0.002	mg/L	
Selenium	< 0.002	0.002	mg/L	
Silver	< 0.001	0.001	mg/L	
Total Metals **Method: 7470A**				
Analysis Date: 04/29/11				
Mercury	< 0.0005	0.0005	mg/L	
Dissolved Metals **Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/07/11		Preparation Date: 05/04/11		
Arsenic, diss.	< 0.002	0.002	mg/L	
Barium, diss.	0.087	0.001	mg/L	
Cadmium, diss.	< 0.001	0.001	mg/L	
Chromium, diss.	< 0.001	0.001	mg/L	
Lead, diss.	< 0.002	0.002	mg/L	
Selenium, diss.	< 0.002	0.002	mg/L	
Silver, diss.	< 0.001	0.001	mg/L	
Boron, diss.	0.05	0.01	mg/L	
Magnesium, diss.	42.0	0.1	mg/L	
Zinc, diss.	< 0.005	0.005	mg/L	
Dissolved Metals **Method: 7470A**				
Analysis Date: 05/02/11				
Mercury, diss.	< 0.0005	0.0005	mg/L	
Dissolved Gases **Method: RSK175**				
Analysis Date: 05/03/11				
Methane	962	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: GP-27A
Sample No: 11-1686-018

Date Collected: 04/26/11
Time Collected: 11:00
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Dissolved Gases **Method: RSK175**				
Analysis Date: 05/03/11				
Methane	5.9	2.0	ug/L	N S
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/29/11				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: GP-27A
Sample No: 11-1686-018

Date Collected: 04/26/11
Time Collected: 11:00
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte		Result	R.L.	Units	Flags
Volatile Organic Compounds	**Method: 5030B/8260B**				
Analysis Date: 04/29/11					
Vinyl acetate		< 10.0	10.0	ug/L	
Vinyl chloride		< 2.0	2.0	ug/L	
Xylene, Total		< 5.0	5.0	ug/L	
Dissolved Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/07/11			Preparation Date: 05/04/11		
Arsenic, diss.		< 0.002	0.002	mg/L	
Barium, diss.		0.005	0.001	mg/L	
Cadmium, diss.		< 0.001	0.001	mg/L	
Chromium, diss.		< 0.001	0.001	mg/L	
Lead, diss.		< 0.002	0.002	mg/L	
Selenium, diss.		< 0.002	0.002	mg/L	
Silver, diss.		< 0.001	0.001	mg/L	
Boron, diss.		0.03	0.01	mg/L	
Magnesium, diss.		80.3	0.1	mg/L	
Zinc, diss.		< 0.005	0.005	mg/L	
Dissolved Metals	**Method: 7470A**				
Analysis Date: 05/02/11					
Mercury, diss.		< 0.0005	0.0005	mg/L	
Chloride, Dissolved	**Method: 4500Cl, E**				
Analysis Date: 05/03/11					
Chloride, Dissolved		7	5	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**				
Analysis Date: 05/04/11					
Sulfate, Dissolved		289	15	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**				
Analysis Date: 04/29/11					
Nitrate (as N) Dissolved		0.14	0.10	mg/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: G121
Sample No: 11-1686-019

Date Collected: 04/26/11
Time Collected: 9:30
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte		Result	R.L.	Units	Flags
Ammonia (as N)	**Method: 350.1R2.0**				
Analysis Date: 05/06/11					
Ammonia (as N)		4.08	0.10	mg/L	
BOD, 5 Day	**Method: 5210B**				
Analysis Date: 04/28/11 15:00					
BOD, 5 Day		1	1	mg/L	
Chloride	**Method: 4500Cl, E**				
Analysis Date: 05/03/11					
Chloride		32	5	mg/L	
Chloride, Dissolved	**Method: 4500Cl, E**				
Analysis Date: 05/03/11					
Chloride, Dissolved		20	5	mg/L	
COD	**Method: 5220D**				
Analysis Date: 04/29/11					
COD		18	10	mg/L	
Cyanide, Total	**Method: 335.4R1.0**				
Analysis Date: 04/29/11					
Cyanide, Total		< 0.005	0.005	mg/L	
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**				
Analysis Date: 04/29/11					
Nitrate + Nitrite (as N)		0.55	0.10	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**				
Analysis Date: 04/29/11					
Nitrate (as N) Dissolved		0.62	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**				
Analysis Date: 05/02/11					
Sulfate, Dissolved		367	15	mg/L	
Total Dissolved Solids	**Method: 2540C**				
Analysis Date: 05/02/11					
Total Dissolved Solids		797	10	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**				
Analysis Date: 04/29/11					
Acetone		< 100	100	ug/L	
Benzene		< 5.0	5.0	ug/L	
Bromodichloromethane		< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: G121
Sample No: 11-1686-019

Date Collected: 04/26/11
Time Collected: 9:30
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/29/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/02/11		Preparation Date: 04/29/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: G121
Sample No: 11-1686-019

Date Collected: 04/26/11
Time Collected: 9:30
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/02/11		Preparation Date: 04/29/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: G121
Sample No: 11-1686-019

Date Collected: 04/26/11
Time Collected: 9:30
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/02/11		Preparation Date: 04/29/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 04/29/11		Preparation Date: 04/29/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client:	RMT, INC.	**Date Collected:**	04/26/11
Project ID:	Mallard North Landfill 01793.04.004	**Time Collected:**	9:30
Sample ID:	G121	**Date Received:**	04/26/11
Sample No:	11-1686-019	**Date Reported:**	05/11/11

Analyte		Result	R.L.	Units	Flags
Total Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/04/11			Preparation Date: 05/02/11		
Arsenic		< 0.002	0.002	mg/L	
Barium		0.030	0.001	mg/L	
Cadmium		< 0.001	0.001	mg/L	
Chromium		< 0.001	0.001	mg/L	
Lead		< 0.002	0.002	mg/L	
Selenium		< 0.002	0.002	mg/L	
Silver		< 0.001	0.001	mg/L	
Total Metals	**Method: 7470A**				
Analysis Date: 04/29/11					
Mercury		< 0.0005	0.0005	mg/L	
Dissolved Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/06/11			Preparation Date: 05/04/11		
Arsenic, diss.		< 0.002	0.002	mg/L	
Barium, diss.		0.022	0.001	mg/L	
Cadmium, diss.		< 0.001	0.001	mg/L	
Chromium, diss.		< 0.001	0.001	mg/L	
Lead, diss.		< 0.002	0.002	mg/L	
Selenium, diss.		< 0.002	0.002	mg/L	
Silver, diss.		< 0.001	0.001	mg/L	
Boron, diss.		0.05	0.01	mg/L	
Magnesium, diss.		50.1	0.1	mg/L	
Zinc, diss.		0.083	0.005	mg/L	
Dissolved Metals	**Method: 7470A**				
Analysis Date: 05/02/11					
Mercury, diss.		< 0.0005	0.0005	mg/L	
Dissolved Gases	**Method: RSK175**				
Analysis Date: 05/03/11					
Methane		25.3	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: G122
Sample No: 11-1686-020

Date Collected: 04/26/11
Time Collected: 11:30
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Ammonia (as N) **Method: 350.1R2.0**				
Analysis Date: 05/06/11				
Ammonia (as N)	154	0.10	mg/L	
BOD, 5 Day **Method: 5210B**				
Analysis Date: 04/28/11 15:00				
BOD, 5 Day	13	1	mg/L	
Chloride **Method: 4500Cl, E**				
Analysis Date: 05/10/11				
Chloride	660	5	mg/L	
Chloride, Dissolved **Method: 4500Cl, E**				
Analysis Date: 05/10/11				
Chloride, Dissolved	670	5	mg/L	
COD **Method: 5220D**				
Analysis Date: 04/29/11				
COD	338	10	mg/L	
Cyanide, Total **Method: 335.4R1.0**				
Analysis Date: 04/29/11				
Cyanide, Total	0.006	0.005	mg/L	
Nitrate + Nitrite (as N) **Method: 353.2R2.0**				
Analysis Date: 04/29/11				
Nitrate + Nitrite (as N)	< 0.10	0.10	mg/L	
Nitrate (as N), Dissolved **Method: 353.2R2.0**				
Analysis Date: 04/29/11				
Nitrate (as N) Dissolved	< 0.10	0.10	mg/L	
Sulfate, Dissolved **Method: 375.2R2.0**				
Analysis Date: 05/02/11				
Sulfate, Dissolved	18	15	mg/L	
Total Dissolved Solids **Method: 2540C**				
Analysis Date: 05/02/11				
Total Dissolved Solids	2,450	10	mg/L	
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/29/11				
Acetone	< 100	100	ug/L	
Benzene	30.1	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: G122
Sample No: 11-1686-020

Date Collected: 04/26/11
Time Collected: 11:30
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/29/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/02/11		Preparation Date: 05/02/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: G122
Sample No: 11-1686-020

Date Collected: 04/26/11
Time Collected: 11:30
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/02/11		Preparation Date: 05/02/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: G122
Sample No: 11-1686-020

Date Collected: 04/26/11
Time Collected: 11:30
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/02/11		Preparation Date: 05/02/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/02/11		Preparation Date: 05/02/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: G122
Sample No: 11-1686-020

Date Collected: 04/26/11
Time Collected: 11:30
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Total Metals **Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/04/11		Preparation Date: 05/02/11		
Arsenic	< 0.002	0.002	mg/L	
Barium	0.674	0.001	mg/L	
Cadmium	< 0.001	0.001	mg/L	
Chromium	0.003	0.001	mg/L	
Lead	< 0.002	0.002	mg/L	
Selenium	< 0.002	0.002	mg/L	
Silver	< 0.001	0.001	mg/L	
Total Metals **Method: 7470A**				
Analysis Date: 04/29/11				
Mercury	< 0.0005	0.0005	mg/L	
Dissolved Metals **Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/07/11		Preparation Date: 05/04/11		
Arsenic, diss.	< 0.002	0.002	mg/L	
Barium, diss.	0.686	0.001	mg/L	
Cadmium, diss.	< 0.001	0.001	mg/L	
Chromium, diss.	0.003	0.001	mg/L	
Lead, diss.	< 0.002	0.002	mg/L	
Selenium, diss.	< 0.002	0.002	mg/L	
Silver, diss.	< 0.001	0.001	mg/L	
Boron, diss.	2.11	0.01	mg/L	
Magnesium, diss.	137	0.1	mg/L	
Zinc, diss.	< 0.005	0.005	mg/L	
Dissolved Metals **Method: 7470A**				
Analysis Date: 05/02/11				
Mercury, diss.	< 0.0005	0.0005	mg/L	
Dissolved Gases **Method: RSK175**				
Analysis Date: 05/03/11				
Methane	3,400	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: FB-02
Sample No: 11-1686-021

Date Collected: 04/26/11
Time Collected: 14:00
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Ammonia (as N) **Method: 350.1R2.0**				
Analysis Date: 04/29/11				
Ammonia (as N)	< 0.10	0.10	mg/L	
BOD, 5 Day **Method: 5210B**				
Analysis Date: 04/28/11 15:00				
BOD, 5 Day	1	1	mg/L	
Chloride **Method: 4500Cl, E**				
Analysis Date: 05/03/11				
Chloride	< 5	5	mg/L	
Chloride, Dissolved **Method: 4500Cl, E**				
Analysis Date: 05/03/11				
Chloride, Dissolved	< 5	5	mg/L	
COD **Method: 5220D**				
Analysis Date: 04/29/11				
COD	< 10	10	mg/L	
Cyanide, Total **Method: 335.4R1.0**				
Analysis Date: 04/29/11				
Cyanide, Total	< 0.005	0.005	mg/L	
Nitrate + Nitrite (as N) **Method: 353.2R2.0**				
Analysis Date: 04/29/11				
Nitrate + Nitrite (as N)	< 0.10	0.10	mg/L	
Nitrate (as N), Dissolved **Method: 353.2R2.0**				
Analysis Date: 04/29/11				
Nitrate (as N) Dissolved	< 0.10	0.10	mg/L	
Sulfate, Dissolved **Method: 375.2R2.0**				
Analysis Date: 05/02/11				
Sulfate, Dissolved	< 15	15	mg/L	
Total Dissolved Solids **Method: 2540C**				
Analysis Date: 05/02/11				
Total Dissolved Solids	< 10	10	mg/L	
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/29/11				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client:	RMT, INC.	**Date Collected:**	04/26/11
Project ID:	Mallard North Landfill 01793.04.004	**Time Collected:**	14:00
Sample ID:	FB-02	**Date Received:**	04/26/11
Sample No:	11-1686-021	**Date Reported:**	05/11/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/29/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/03/11		Preparation Date: 05/02/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client:	RMT, INC.	**Date Collected:**	04/26/11
Project ID:	Mallard North Landfill 01793.04.004	**Time Collected:**	14:00
Sample ID:	FB-02	**Date Received:**	04/26/11
Sample No:	11-1686-021	**Date Reported:**	05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/03/11		Preparation Date: 05/02/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client:	RMT, INC.	**Date Collected:**	04/26/11
Project ID:	Mallard North Landfill 01793.04.004	**Time Collected:**	14:00
Sample ID:	FB-02	**Date Received:**	04/26/11
Sample No:	11-1686-021	**Date Reported:**	05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/03/11		Preparation Date: 05/02/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/02/11		Preparation Date: 05/02/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: FB-02
Sample No: 11-1686-021

Date Collected: 04/26/11
Time Collected: 14:00
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Total Metals **Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/04/11		Preparation Date: 05/02/11		
Arsenic	< 0.002	0.002	mg/L	
Barium	< 0.001	0.001	mg/L	
Cadmium	< 0.001	0.001	mg/L	
Chromium	< 0.001	0.001	mg/L	
Lead	< 0.002	0.002	mg/L	
Selenium	< 0.002	0.002	mg/L	
Silver	< 0.001	0.001	mg/L	
Total Metals **Method: 7470A**				
Analysis Date: 04/29/11				
Mercury	< 0.0005	0.0005	mg/L	
Dissolved Metals **Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/07/11		Preparation Date: 05/04/11		
Arsenic, diss.	< 0.002	0.002	mg/L	
Barium, diss.	0.002	0.001	mg/L	
Cadmium, diss.	< 0.001	0.001	mg/L	
Chromium, diss.	< 0.001	0.001	mg/L	
Lead, diss.	< 0.002	0.002	mg/L	
Selenium, diss.	< 0.002	0.002	mg/L	
Silver, diss.	< 0.001	0.001	mg/L	
Boron, diss.	0.02	0.01	mg/L	
Magnesium, diss.	0.2	0.1	mg/L	
Zinc, diss.	< 0.005	0.005	mg/L	
Dissolved Metals **Method: 7470A**				
Analysis Date: 05/02/11				
Mercury, diss.	< 0.0005	0.0005	mg/L	
Dissolved Gases **Method: RSK175**				
Analysis Date: 05/03/11				
Methane	< 2.0	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: Trip Blank #1
Sample No: 11-1686-022

Date Collected:
Time Collected:
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/29/11				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: Trip Blank #2
Sample No: 11-1686-023

Date Collected:
Time Collected:
Date Received: 04/26/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/29/11				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	

CHAIN OF CUSTODY RECORD

First Environmental Laboratories, Inc.

First Environmental Laboratories
1600 Shore Road, Suite D
Naperville, Illinois 60563
Phone: (630) 778-1200 • Fax: (630) 778-1233
E-mail: firstinfo@firstenv.com
IEPA Certification #100292

Company Name: RMT INC
Street Address: 744 Heartland Trail
City: Madison State: WI Zip: 53717
Phone: 608-831-4444 Fax: e-mail:
Send Report To: N. Deller / T. Koch Via: Fax ☐ e-mail ☐
Sampled By: T. O'Connell / E. Paper / L. Bakken

Project I.D.: Midland North Landfill 01793.04.004
P.O. #.:

Matrix Codes: S = Soil W = Water O = Other

Analyses

Date/Time Taken	Sample Description	Matrix	Methane	VOCs	Dis. Metals	Dis. Chloride & Sulfate	Dis. Nitrate	SVOCs / PAH	Total Metals	Nitrates / Nitrites / Ammonia / Total Chloride / TDS / BOD	Cyanide	Comments	Lab I.D. (11-16686)
4/25/11 1740	G-114S	W	X	X	X	X	X	X	X	X	X	X	001
1580	G-114D		X	X	X	X	X	X	X	X	X	X	002
1010	GP-4C									X	X	X	003
1035	GP-29A											X	004
1115	GP-30B											X	005
1755	GP-2B		X	X	X	X	X	X	X	X	X	X	006
1535	GP-32B		X	X	X	X	X	X	X	X	X	X	007
1305	GP-19		X	X	X	X	X	X	X	X	X	X	008
1730	G-115		X	X	X	X	X	X	X	X	X	X	009
4/26/11 1010	GP-25A		X	X	X	X	X	X	X	X	X	X	010
1130	GP-27B		X	X	X	X	X	X	X	X	X	X	011
1200	GP-22A		X	X	X	X	X	X	X	X	X	X	012

FOR LAB USE ONLY:

Cooler Temperature: 0.1-6ºC Yes X No.__ _____ºC
Received within 6 hrs. of collection:_____
Ice Present: Yes X No__

Sample Refrigerated: Yes__ No__
Refrigerator Temperature:_____ºC
5035 Vials Frozen: Yes__ No__
Freezer Temperature:_____ºC

Containers Received Preserved: ☐ Yes ☐ No
Need to meet: IL. TACO ☐ IN. RISC ☐

Notes and Special Instructions:

Relinquished By: [signature] Date/Time 4/26/11 1335 Received By: [signature] Date/Time 4-26-11 1455
Relinquished By: Date/Time Received By: Date/Time

Rev. 9/08

CHAIN OF CUSTODY RECORD

First Environmental Laboratories, Inc.

First Environmental Laboratories
1600 Shore Road, Suite D
Naperville, Illinois 60563
Phone: (630) 778-1200 • Fax: (630) 778-1233
E-mail: firstinfo@firstenv.com
IEPA Certification #100292

Company Name: RMT INC
Street Address: 744 Heartland Trail
City: Madison State: WI Zip: 53717
Phone: 608-831-4444 Fax: e-mail:
Send Report To: Via: Fax ☐ e-mail ☐
Sampled By: T. O'Connell / J. Perez / L. Bakken

Project I.D.: Mallard North Landfill 01793.04.004
P.O. #.:

Matrix Codes: S = Soil W = Water O = Other

Analyses: Methane; VOCs; Dis Metals; Dis Chloride; Sulfate; Dis Nitrate; SVOCs / PAHs; Total Metals; Nitrate/Nitrite; Ammonia; COD; Total Chloride; TDS; BOD; Cyanide

11-11686-

Date/Time Taken	Sample Description	Matrix	Methane	VOCs	Dis Metals	Dis Chloride	Dis Nitrate	SVOCs / PAHs	Total Metals	Nitrate/Nitrite	Ammonia	COD	Total Chloride	TDS	BOD	Cyanide	Comments	Lab I.D.
4/26/11 925	MW-201D	W	X	X	X	X	X	X	X	X	X	X	X					013
1030	MW-201S																	014
	Dup-06																	015
1145	G-101																	016
910	GP-25B																	017
1100	GP-27A																	018
930	G-121		X	X	X	X	X	X	X	X	X	X						019
930	G-121 MS																	
930	G-121 MSD																	
1130	G-122																	020
1400	FB-02	X	X	X	X	X	X	X	X	X	X	X						021
	Trip Blank #1																	022
	#2 (MSU)																	023

FOR LAB USE ONLY:

Cooler Temperature: 0.1-6ºC Yes X No.__ _____ºC
Received within 6 hrs. of collection:_____
Ice Present: Yes X No__

Sample Refrigerated: Yes__ No__
Refrigerator Temperature:_____ºC
5035 Vials Frozen: Yes__ No__
Freezer Temperature:_____ºC

Containers Received Preserved: ☐ Yes ☐ No
Need to meet: IL. TACO ☐ IN. RISC ☐

Notes and Special Instructions: See groundwater analysis plan for complete requirements

Relinquished By: [signature] Date/Time 4/26/11 1335 Received By: [signature] Date/Time 4-26-11 1455
Relinquished By: _____ Date/Time _____ Received By: _____ Date/Time _____

Rev. 9/08

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

May 11, 2011

Mr. Jason Schoephoester
RMT, INC.
744 Heartland Trail
Madison, WI 53717

Project ID: Mallard North Landfill 01793.04.004
First Environmental File ID: 11-1706
Date Received: April 27, 2011

Dear Mr. Jason Schoephoester:

The above referenced project was analyzed as directed on the enclosed chain of custody record.

All Quality Control criteria as outlined in the methods and current IL ELAP/NELAP have been met unless otherwise noted. QA/QC documentation and raw data will remain on file for future reference. Our accreditation number is 100292 and our current certificate is number 002687: effective 03/01/2011 through 02/28/2012.

I thank you for the opportunity to be of service to you and look forward to working with you again in the future. Should you have any questions regarding any of the enclosed analytical data or need additional information, please contact me at (630) 778-1200.

Sincerely,

Stan Zaworski
Project Manager

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Case Narrative

RMT, INC.

Project ID: **Mallard North Landfill 01793.04.004**

First Environmental File ID: **11-1706**

Date Received: **April 27, 2011**

Flag	Description	Flag	Description
<	Analyte not detected at or above the reporting limit.	L+	LCS recovery outside control limits; high bias.
B	Analyte detected in associated method blank.	L-	LCS recovery outside control limits; low bias.
C	Identification confirmed by GC/MS.	M	MS recovery outside control limits; LCS acceptable.
D	Surrogates diluted out; recovery not available.	M+	MS recovery outside control limits high bias; LCS acceptable.
E	Estimated result; concentration exceeds calibration range.	M-	MS recovery outside control limits low bias; LCS acceptable.
F	Field measurement.	N	Analyte is not part of our NELAC accreditation.
		ND	Analyte was not detected using a library search routine; No calibration standard was analyzed.
G	Surrogate recovery outside control limits; matrix effect.	P	Chemical preservation pH adjusted in lab.
H	Analysis or extraction holding time exceeded.	Q	The analyte was determined by a GC/MS database search.
J	Estimated result; concentration is less than calib range.	S	Analyte was sub-contracted to another laboratory for analysis.
K	RPD outside control limits.	T	Sample temperature upon receipt exceeded 0-6°C
RL	Routine Reporting Limit (Lowest amount that can be detected when routine weights/volumes are used without dilution.)	W	Reporting limit elevated due to sample matrix.

All quality control criteria, as outlined in the methods, have been met except as noted below or on the following analytical report.

Sample Batch Comments:

Sample acceptance criteria were met.

Method Comments

Lab Number	Sample ID	Comments:
11-1706-013	FB-03	*Semi-Volatile Compounds* Surrogate recovery outside control limits; low bias.

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: MW-204S
Sample No: 11-1706-001

Date Collected: 04/27/11
Time Collected: 10:20
Date Received: 04/27/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Ammonia (as N) **Method: 350.1R2.0**				
Analysis Date: 04/29/11				
Ammonia (as N)	0.35	0.10	mg/L	
BOD, 5 Day **Method: 5210B**				
Analysis Date: 04/28/11 15:00				
BOD, 5 Day	1	1	mg/L	
Chloride **Method: 4500Cl, E**				
Analysis Date: 05/03/11				
Chloride	6	5	mg/L	
Chloride, Dissolved **Method: 4500Cl, E**				
Analysis Date: 05/03/11				
Chloride, Dissolved	6	5	mg/L	
COD **Method: 5220D**				
Analysis Date: 04/29/11				
COD	< 10	10	mg/L	
Cyanide, Total **Method: 335.4R1.0**				
Analysis Date: 04/29/11				
Cyanide, Total	< 0.005	0.005	mg/L	
Nitrate + Nitrite (as N) **Method: 353.2R2.0**				
Analysis Date: 04/29/11				
Nitrate + Nitrite (as N)	0.18	0.10	mg/L	
Nitrate (as N), Dissolved **Method: 353.2R2.0**				
Analysis Date: 04/29/11				
Nitrate (as N) Dissolved	0.16	0.10	mg/L	
Sulfate, Dissolved **Method: 375.2R2.0**				
Analysis Date: 05/04/11				
Sulfate, Dissolved	60	15	mg/L	
Total Dissolved Solids **Method: 2540C**				
Analysis Date: 05/03/11				
Total Dissolved Solids	411	10	mg/L	
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/30/11				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: MW-204S
Sample No: 11-1706-001

Date Collected: 04/27/11
Time Collected: 10:20
Date Received: 04/27/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/30/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/03/11		Preparation Date: 05/02/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client:	RMT, INC.	**Date Collected:**	04/27/11
Project ID:	Mallard North Landfill 01793.04.004	**Time Collected:**	10:20
Sample ID:	MW-204S	**Date Received:**	04/27/11
Sample No:	11-1706-001	**Date Reported:**	05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/03/11		Preparation Date: 05/02/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: MW-204S
Sample No: 11-1706-001

Date Collected: 04/27/11
Time Collected: 10:20
Date Received: 04/27/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/03/11		Preparation Date: 05/02/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/02/11		Preparation Date: 05/02/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client:	RMT, INC.	**Date Collected:**	04/27/11
Project ID:	Mallard North Landfill 01793.04.004	**Time Collected:**	10:20
Sample ID:	MW-204S	**Date Received:**	04/27/11
Sample No:	11-1706-001	**Date Reported:**	05/11/11

Analyte		Result	R.L.	Units	Flags
Total Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/04/11			Preparation Date: 05/03/11		
Arsenic		0.011	0.002	mg/L	
Barium		0.067	0.001	mg/L	
Cadmium		< 0.001	0.001	mg/L	
Chromium		< 0.001	0.001	mg/L	
Lead		< 0.002	0.002	mg/L	
Selenium		< 0.002	0.002	mg/L	
Silver		< 0.001	0.001	mg/L	
Total Metals	**Method: 7470A**				
Analysis Date: 04/29/11					
Mercury		< 0.0005	0.0005	mg/L	
Dissolved Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/06/11			Preparation Date: 05/05/11		
Arsenic, diss.		0.010	0.002	mg/L	
Barium, diss.		0.068	0.001	mg/L	
Cadmium, diss.		< 0.001	0.001	mg/L	
Chromium, diss.		< 0.001	0.001	mg/L	
Lead, diss.		< 0.002	0.002	mg/L	
Selenium, diss.		< 0.002	0.002	mg/L	
Silver, diss.		< 0.001	0.001	mg/L	
Boron, diss.		0.23	0.01	mg/L	
Magnesium, diss.		40.1	0.1	mg/L	
Zinc, diss.		< 0.005	0.005	mg/L	
Dissolved Metals	**Method: 7470A**				
Analysis Date: 05/03/11					
Mercury, diss.		< 0.0005	0.0005	mg/L	
Dissolved Gases	**Method: RSK175**				
Analysis Date: 05/03/11					
Methane		118	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: MW-204D
Sample No: 11-1706-002

Date Collected: 04/27/11
Time Collected: 10:40
Date Received: 04/27/11
Date Reported: 05/11/11

Analyte		Result	R.L.	Units	Flags
Ammonia (as N)	**Method: 350.1R2.0**				
Analysis Date: 04/29/11					
Ammonia (as N)		1.58	0.10	mg/L	
BOD, 5 Day	**Method: 5210B**				
Analysis Date: 04/28/11 15:00					
BOD, 5 Day		23	1	mg/L	
Chloride	**Method: 4500Cl, E**				
Analysis Date: 05/03/11					
Chloride		9	5	mg/L	
Chloride, Dissolved	**Method: 4500Cl, E**				
Analysis Date: 05/03/11					
Chloride, Dissolved		7	5	mg/L	
COD	**Method: 5220D**				
Analysis Date: 04/29/11					
COD		51	10	mg/L	
Cyanide, Total	**Method: 335.4R1.0**				
Analysis Date: 04/29/11					
Cyanide, Total		< 0.005	0.005	mg/L	
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**				
Analysis Date: 04/29/11					
Nitrate + Nitrite (as N)		< 0.10	0.10	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**				
Analysis Date: 04/29/11					
Nitrate (as N) Dissolved		< 0.10	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**				
Analysis Date: 05/09/11					
Sulfate, Dissolved		379	15	mg/L	
Total Dissolved Solids	**Method: 2540C**				
Analysis Date: 05/03/11					
Total Dissolved Solids		1,130	10	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**				
Analysis Date: 04/30/11					
Acetone		< 100	100	ug/L	
Benzene		< 5.0	5.0	ug/L	
Bromodichloromethane		< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client:	RMT, INC.	**Date Collected:**	04/27/11
Project ID:	Mallard North Landfill 01793.04.004	**Time Collected:**	10:40
Sample ID:	MW-204D	**Date Received:**	04/27/11
Sample No:	11-1706-002	**Date Reported:**	05/11/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/30/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/03/11		Preparation Date: 05/02/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client:	RMT, INC.	**Date Collected:**	04/27/11
Project ID:	Mallard North Landfill 01793.04.004	**Time Collected:**	10:40
Sample ID:	MW-204D	**Date Received:**	04/27/11
Sample No:	11-1706-002	**Date Reported:**	05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/03/11		Preparation Date: 05/02/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: MW-204D
Sample No: 11-1706-002

Date Collected: 04/27/11
Time Collected: 10:40
Date Received: 04/27/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/03/11		Preparation Date: 05/02/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/02/11		Preparation Date: 05/02/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: MW-204D
Sample No: 11-1706-002

Date Collected: 04/27/11
Time Collected: 10:40
Date Received: 04/27/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Total Metals **Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/04/11		Preparation Date: 05/03/11		
Arsenic	0.019	0.002	mg/L	
Barium	0.047	0.001	mg/L	
Cadmium	< 0.001	0.001	mg/L	
Chromium	0.001	0.001	mg/L	
Lead	< 0.002	0.002	mg/L	
Selenium	< 0.002	0.002	mg/L	
Silver	< 0.001	0.001	mg/L	
Total Metals **Method: 7470A**				
Analysis Date: 04/29/11				
Mercury	< 0.0005	0.0005	mg/L	
Dissolved Metals **Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/06/11		Preparation Date: 05/05/11		
Arsenic, diss.	0.022	0.002	mg/L	
Barium, diss.	0.048	0.001	mg/L	
Cadmium, diss.	< 0.001	0.001	mg/L	
Chromium, diss.	< 0.001	0.001	mg/L	
Lead, diss.	< 0.002	0.002	mg/L	
Selenium, diss.	< 0.002	0.002	mg/L	
Silver, diss.	< 0.001	0.001	mg/L	
Boron, diss.	0.05	0.01	mg/L	
Magnesium, diss.	53.0	0.1	mg/L	
Zinc, diss.	< 0.005	0.005	mg/L	
Dissolved Metals **Method: 7470A**				
Analysis Date: 05/03/11				
Mercury, diss.	< 0.0005	0.0005	mg/L	
Dissolved Gases **Method: RSK175**				
Analysis Date: 05/03/11				
Methane	1,550	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: G-24A
Sample No: 11-1706-003

Date Collected: 04/27/11
Time Collected: 8:30
Date Received: 04/27/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Ammonia (as N) **Method: 350.1R2.0**				
Analysis Date: 05/06/11				
Ammonia (as N)	5.98	0.10	mg/L	
BOD, 5 Day **Method: 5210B**				
Analysis Date: 04/28/11 15:00				
BOD, 5 Day	2	1	mg/L	
Chloride **Method: 4500Cl, E**				
Analysis Date: 05/10/11				
Chloride	600	5	mg/L	
Chloride, Dissolved **Method: 4500Cl, E**				
Analysis Date: 05/10/11				
Chloride, Dissolved	620	5	mg/L	
COD **Method: 5220D**				
Analysis Date: 04/29/11				
COD	31	10	mg/L	
Nitrate + Nitrite (as N) **Method: 353.2R2.0**				
Analysis Date: 04/29/11				
Nitrate + Nitrite (as N)	0.27	0.10	mg/L	
Nitrate (as N), Dissolved **Method: 353.2R2.0**				
Analysis Date: 04/29/11				
Nitrate (as N) Dissolved	0.24	0.10	mg/L	
Sulfate, Dissolved **Method: 375.2R2.0**				
Analysis Date: 05/09/11				
Sulfate, Dissolved	1,170	15	mg/L	
Total Dissolved Solids **Method: 2540C**				
Analysis Date: 05/03/11				
Total Dissolved Solids	3,660	10	mg/L	
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/30/11				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client:	RMT, INC.	**Date Collected:**	04/27/11
Project ID:	Mallard North Landfill 01793.04.004	**Time Collected:**	8:30
Sample ID:	G-24A	**Date Received:**	04/27/11
Sample No:	11-1706-003	**Date Reported:**	05/11/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/30/11				
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/03/11		Preparation Date: 05/02/11		
Benzidine	< 10	10	ug/L	
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: G-24A
Sample No: 11-1706-003

Date Collected: 04/27/11
Time Collected: 8:30
Date Received: 04/27/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/03/11		Preparation Date: 05/02/11		
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: G-24A
Sample No: 11-1706-003

Date Collected: 04/27/11
Time Collected: 8:30
Date Received: 04/27/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/03/11		Preparation Date: 05/02/11		
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/02/11		Preparation Date: 05/02/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	
Total Metals **Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/04/11		Preparation Date: 05/03/11		
Arsenic	< 0.002	0.002	mg/L	
Barium	0.018	0.001	mg/L	
Cadmium	< 0.001	0.001	mg/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client:	RMT, INC.	**Date Collected:**	04/27/11
Project ID:	Mallard North Landfill 01793.04.004	**Time Collected:**	8:30
Sample ID:	G-24A	**Date Received:**	04/27/11
Sample No:	11-1706-003	**Date Reported:**	05/11/11

Analyte		Result	R.L.	Units	Flags
Total Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/04/11			Preparation Date: 05/03/11		
Chromium		< 0.001	0.001	mg/L	
Lead		< 0.002	0.002	mg/L	
Selenium		< 0.002	0.002	mg/L	
Silver		< 0.001	0.001	mg/L	
Total Metals	**Method: 7470A**				
Analysis Date: 04/29/11					
Mercury		< 0.0005	0.0005	mg/L	
Dissolved Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/06/11			Preparation Date: 05/05/11		
Arsenic, diss.		< 0.002	0.002	mg/L	
Barium, diss.		0.016	0.001	mg/L	
Cadmium, diss.		< 0.001	0.001	mg/L	
Chromium, diss.		< 0.001	0.001	mg/L	
Lead, diss.		< 0.002	0.002	mg/L	
Selenium, diss.		< 0.002	0.002	mg/L	
Silver, diss.		< 0.001	0.001	mg/L	
Boron, diss.		0.21	0.01	mg/L	
Magnesium, diss.		226	0.1	mg/L	
Zinc, diss.		0.006	0.005	mg/L	
Dissolved Metals	**Method: 7470A**				
Analysis Date: 05/03/11					
Mercury, diss.		< 0.0005	0.0005	mg/L	
Dissolved Gases	**Method: RSK175**				
Analysis Date: 05/03/11					
Methane		520	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: G-120DR
Sample No: 11-1706-004

Date Collected: 04/27/11
Time Collected: 10:45
Date Received: 04/27/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Ammonia (as N) **Method: 350.1R2.0**				
Analysis Date: 05/06/11				
Ammonia (as N)	6.23	0.10	mg/L	
BOD, 5 Day **Method: 5210B**				
Analysis Date: 04/28/11 15:00				
BOD, 5 Day	1	1	mg/L	
Chloride **Method: 4500Cl, E**				
Analysis Date: 05/03/11				
Chloride	110	5	mg/L	
Chloride, Dissolved **Method: 4500Cl, E**				
Analysis Date: 05/03/11				
Chloride, Dissolved	102	5	mg/L	
COD **Method: 5220D**				
Analysis Date: 04/29/11				
COD	19	10	mg/L	
Cyanide, Total **Method: 335.4R1.0**				
Analysis Date: 04/29/11				
Cyanide, Total	< 0.005	0.005	mg/L	
Nitrate + Nitrite (as N) **Method: 353.2R2.0**				
Analysis Date: 04/29/11				
Nitrate + Nitrite (as N)	< 0.10	0.10	mg/L	
Nitrate (as N), Dissolved **Method: 353.2R2.0**				
Analysis Date: 04/29/11				
Nitrate (as N) Dissolved	< 0.10	0.10	mg/L	
Sulfate, Dissolved **Method: 375.2R2.0**				
Analysis Date: 05/04/11				
Sulfate, Dissolved	101	15	mg/L	
Total Dissolved Solids **Method: 2540C**				
Analysis Date: 05/03/11				
Total Dissolved Solids	693	10	mg/L	
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/30/11				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: G-120DR
Sample No: 11-1706-004

Date Collected: 04/27/11
Time Collected: 10:45
Date Received: 04/27/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/30/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/03/11		Preparation Date: 05/02/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client:	RMT, INC.	**Date Collected:**	04/27/11
Project ID:	Mallard North Landfill 01793.04.004	**Time Collected:**	10:45
Sample ID:	G-120DR	**Date Received:**	04/27/11
Sample No:	11-1706-004	**Date Reported:**	05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/03/11		Preparation Date: 05/02/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client:	RMT, INC.	**Date Collected:**	04/27/11
Project ID:	Mallard North Landfill 01793.04.004	**Time Collected:**	10:45
Sample ID:	G-120DR	**Date Received:**	04/27/11
Sample No:	11-1706-004	**Date Reported:**	05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/03/11		Preparation Date: 05/02/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/02/11		Preparation Date: 05/02/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client:	RMT, INC.	**Date Collected:**	04/27/11
Project ID:	Mallard North Landfill 01793.04.004	**Time Collected:**	10:45
Sample ID:	G-120DR	**Date Received:**	04/27/11
Sample No:	11-1706-004	**Date Reported:**	05/11/11

Analyte		Result	R.L.	Units	Flags
Total Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/04/11			Preparation Date: 05/03/11		
Arsenic		0.008	0.002	mg/L	
Barium		0.166	0.001	mg/L	
Cadmium		< 0.001	0.001	mg/L	
Chromium		0.008	0.001	mg/L	
Lead		0.010	0.002	mg/L	
Selenium		< 0.002	0.002	mg/L	
Silver		< 0.001	0.001	mg/L	
Total Metals	**Method: 7470A**				
Analysis Date: 04/29/11					
Mercury		< 0.0005	0.0005	mg/L	
Dissolved Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/06/11			Preparation Date: 05/05/11		
Arsenic, diss.		< 0.002	0.002	mg/L	
Barium, diss.		0.136	0.001	mg/L	
Cadmium, diss.		< 0.001	0.001	mg/L	
Chromium, diss.		< 0.001	0.001	mg/L	
Lead, diss.		< 0.002	0.002	mg/L	
Selenium, diss.		< 0.002	0.002	mg/L	
Silver, diss.		< 0.001	0.001	mg/L	
Boron, diss.		0.11	0.01	mg/L	
Magnesium, diss.		57.4	0.1	mg/L	
Zinc, diss.		0.015	0.005	mg/L	
Dissolved Metals	**Method: 7470A**				
Analysis Date: 05/03/11					
Mercury, diss.		< 0.0005	0.0005	mg/L	
Dissolved Gases	**Method: RSK175**				
Analysis Date: 05/03/11					
Methane		199	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client:	RMT, INC.	**Date Collected:**	04/27/11
Project ID:	Mallard North Landfill 01793.04.004	**Time Collected:**	13:25
Sample ID:	G-120S	**Date Received:**	04/27/11
Sample No:	11-1706-005	**Date Reported:**	05/11/11

Analyte		Result	R.L.	Units	Flags
Ammonia (as N)	**Method: 350.1R2.0**				
Analysis Date: 05/06/11					
Ammonia (as N)		234	0.10	mg/L	
BOD, 5 Day	**Method: 5210B**				
Analysis Date: 04/28/11 15:00					
BOD, 5 Day		13	1	mg/L	
Chloride	**Method: 4500Cl, E**				
Analysis Date: 05/03/11					
Chloride		1,680	5	mg/L	
Chloride, Dissolved	**Method: 4500Cl, E**				
Analysis Date: 05/03/11					
Chloride, Dissolved		1,690	5	mg/L	
COD	**Method: 5220D**				
Analysis Date: 04/29/11					
COD		603	10	mg/L	
Cyanide, Total	**Method: 335.4R1.0**				
Analysis Date: 04/29/11					
Cyanide, Total		0.008	0.005	mg/L	
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**				
Analysis Date: 04/29/11					
Nitrate + Nitrite (as N)		0.27	0.10	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**				
Analysis Date: 04/29/11					
Nitrate (as N) Dissolved		0.30	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**				
Analysis Date: 05/04/11					
Sulfate, Dissolved		19	15	mg/L	
Total Dissolved Solids	**Method: 2540C**				
Analysis Date: 05/03/11					
Total Dissolved Solids		3,970	10	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**				
Analysis Date: 04/30/11					
Acetone		< 100	100	ug/L	
Benzene		< 5.0	5.0	ug/L	
Bromodichloromethane		< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client:	RMT, INC.	**Date Collected:**	04/27/11
Project ID:	Mallard North Landfill 01793.04.004	**Time Collected:**	13:25
Sample ID:	G-120S	**Date Received:**	04/27/11
Sample No:	11-1706-005	**Date Reported:**	05/11/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/30/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/03/11		Preparation Date: 05/02/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client:	RMT, INC.	**Date Collected:**	04/27/11
Project ID:	Mallard North Landfill 01793.04.004	**Time Collected:**	13:25
Sample ID:	G-120S	**Date Received:**	04/27/11
Sample No:	11-1706-005	**Date Reported:**	05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/03/11		Preparation Date: 05/02/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client:	RMT, INC.	**Date Collected:**	04/27/11
Project ID:	Mallard North Landfill 01793.04.004	**Time Collected:**	13:25
Sample ID:	G-120S	**Date Received:**	04/27/11
Sample No:	11-1706-005	**Date Reported:**	05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/03/11		Preparation Date: 05/02/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/02/11		Preparation Date: 05/02/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: G-120S
Sample No: 11-1706-005

Date Collected: 04/27/11
Time Collected: 13:25
Date Received: 04/27/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Total Metals **Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/04/11		Preparation Date: 05/03/11		
Arsenic	< 0.002	0.002	mg/L	
Barium	2.39	0.001	mg/L	
Cadmium	< 0.001	0.001	mg/L	
Chromium	0.004	0.001	mg/L	
Lead	< 0.002	0.002	mg/L	
Selenium	< 0.002	0.002	mg/L	
Silver	< 0.001	0.001	mg/L	
Total Metals **Method: 7470A**				
Analysis Date: 04/29/11				
Mercury	< 0.0005	0.0005	mg/L	
Dissolved Metals **Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/06/11		Preparation Date: 05/05/11		
Arsenic, diss.	< 0.002	0.002	mg/L	
Barium, diss.	2.72	0.001	mg/L	
Cadmium, diss.	< 0.001	0.001	mg/L	
Chromium, diss.	0.005	0.001	mg/L	
Lead, diss.	< 0.002	0.002	mg/L	
Selenium, diss.	< 0.002	0.002	mg/L	
Silver, diss.	< 0.001	0.001	mg/L	
Boron, diss.	2.26	0.01	mg/L	
Magnesium, diss.	92.8	0.1	mg/L	
Zinc, diss.	0.024	0.005	mg/L	
Dissolved Metals **Method: 7470A**				
Analysis Date: 05/03/11				
Mercury, diss.	< 0.0005	0.0005	mg/L	
Dissolved Gases **Method: RSK175**				
Analysis Date: 05/03/11				
Methane	1,490	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client:	RMT, INC.	**Date Collected:**	04/27/11
Project ID:	Mallard North Landfill 01793.04.004	**Time Collected:**	9:00
Sample ID:	GP-27A	**Date Received:**	04/27/11
Sample No:	11-1706-006	**Date Reported:**	05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/03/11		Preparation Date: 05/02/11		
Benzidine	< 10	10	ug/L	
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client:	RMT, INC.	**Date Collected:**	04/27/11
Project ID:	Mallard North Landfill 01793.04.004	**Time Collected:**	9:00
Sample ID:	GP-27A	**Date Received:**	04/27/11
Sample No:	11-1706-006	**Date Reported:**	05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C** Analysis Date: 05/03/11		**Preparation Method 3510C** Preparation Date: 05/02/11		
2-Methylphenol	< 10	10	ug/L	
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C** Analysis Date: 05/02/11		**Preparation Method 3510C** Preparation Date: 05/02/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: GP-16B
Sample No: 11-1706-007

Date Collected: 04/27/11
Time Collected: 14:20
Date Received: 04/27/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Nitrate + Nitrite (as N) **Method: 353.2R2.0**				
Analysis Date: 04/29/11				
Nitrate + Nitrite (as N)	< 0.10	0.10	mg/L	
Ammonia (as N) **Method: 350.1R2.0**				
Analysis Date: 05/06/11				
Ammonia (as N)	12.4	0.10	mg/L	
COD **Method: 5220D**				
Analysis Date: 04/29/11				
COD	95	10	mg/L	
Chloride **Method: 4500Cl, E**				
Analysis Date: 05/10/11				
Chloride	256	5	mg/L	
Total Dissolved Solids **Method: 2540C**				
Analysis Date: 05/03/11				
Total Dissolved Solids	3,820	10	mg/L	
BOD, 5 Day **Method: 5210B**				
Analysis Date: 04/28/11 15:00				
BOD, 5 Day	10	1	mg/L	
Cyanide, Total **Method: 335.4R1.0**				
Analysis Date: 05/03/11				
Cyanide, Total	0.005	0.005	mg/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: GP-21B
Sample No: 11-1706-008

Date Collected: 04/27/11
Time Collected: 14:30
Date Received: 04/27/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Cyanide, Total **Method: 335.4R1.0**				
Analysis Date: 05/03/11				
Cyanide, Total	< 0.005	0.005	mg/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: GP-8B
Sample No: 11-1706-009

Date Collected: 04/27/11
Time Collected: 14:00
Date Received: 04/27/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Dissolved Gases **Method: RSK175**				
Analysis Date: 05/03/11				
Methane	5.1	2.0	ug/L	N S
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/30/11				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client:	RMT, INC.	**Date Collected:**	04/27/11
Project ID:	Mallard North Landfill 01793.04.004	**Time Collected:**	14:00
Sample ID:	GP-8B	**Date Received:**	04/27/11
Sample No:	11-1706-009	**Date Reported:**	05/11/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/30/11				
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: DUP-07
Sample No: 11-1706-010

Date Collected: 04/27/11
Time Collected:
Date Received: 04/27/11
Date Reported: 05/11/11

Analyte		Result	R.L.	Units	Flags
Ammonia (as N)	**Method: 350.1R2.0**				
Analysis Date: 05/06/11					
Ammonia (as N)		242	0.10	mg/L	
BOD, 5 Day	**Method: 5210B**				
Analysis Date: 04/28/11 15:00					
BOD, 5 Day		23	1	mg/L	
Chloride	**Method: 4500Cl, E**				
Analysis Date: 05/03/11					
Chloride		1,740	5	mg/L	
Chloride, Dissolved	**Method: 4500Cl, E**				
Analysis Date: 05/03/11					
Chloride, Dissolved		1,720	5	mg/L	
COD	**Method: 5220D**				
Analysis Date: 04/29/11					
COD		606	10	mg/L	
Cyanide, Total	**Method: 335.4R1.0**				
Analysis Date: 05/03/11					
Cyanide, Total		0.009	0.005	mg/L	
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**				
Analysis Date: 04/29/11					
Nitrate + Nitrite (as N)		1.02	0.10	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**				
Analysis Date: 04/29/11					
Nitrate (as N) Dissolved		0.29	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**				
Analysis Date: 05/04/11					
Sulfate, Dissolved		17	15	mg/L	
Total Dissolved Solids	**Method: 2540C**				
Analysis Date: 05/03/11					
Total Dissolved Solids		4,030	10	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**				
Analysis Date: 04/30/11					
Acetone		< 100	100	ug/L	
Benzene		< 5.0	5.0	ug/L	
Bromodichloromethane		< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: DUP-07
Sample No: 11-1706-010

Date Collected: 04/27/11
Time Collected:
Date Received: 04/27/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/30/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/03/11		Preparation Date: 05/02/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: DUP-07
Sample No: 11-1706-010

Date Collected: 04/27/11
Time Collected:
Date Received: 04/27/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/03/11		Preparation Date: 05/02/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: DUP-07
Sample No: 11-1706-010

Date Collected: 04/27/11
Time Collected:
Date Received: 04/27/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/03/11		Preparation Date: 05/02/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/02/11		Preparation Date: 05/02/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client:	RMT, INC.	**Date Collected:**	04/27/11
Project ID:	Mallard North Landfill 01793.04.004	**Time Collected:**	
Sample ID:	DUP-07	**Date Received:**	04/27/11
Sample No:	11-1706-010	**Date Reported:**	05/11/11

Analyte		Result	R.L.	Units	Flags
Total Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/04/11			Preparation Date: 05/03/11		
Arsenic		0.005	0.002	mg/L	
Barium		2.60	0.001	mg/L	
Cadmium		< 0.001	0.001	mg/L	
Chromium		0.005	0.001	mg/L	
Lead		< 0.002	0.002	mg/L	
Selenium		< 0.002	0.002	mg/L	
Silver		< 0.001	0.001	mg/L	
Total Metals	**Method: 7470A**				
Analysis Date: 04/29/11					
Mercury		< 0.0005	0.0005	mg/L	
Dissolved Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/06/11			Preparation Date: 05/05/11		
Arsenic, diss.		< 0.002	0.002	mg/L	
Barium, diss.		2.69	0.001	mg/L	
Cadmium, diss.		< 0.001	0.001	mg/L	
Chromium, diss.		0.005	0.001	mg/L	
Lead, diss.		< 0.002	0.002	mg/L	
Selenium, diss.		< 0.002	0.002	mg/L	
Silver, diss.		< 0.001	0.001	mg/L	
Boron, diss.		2.27	0.01	mg/L	
Magnesium, diss.		92.8	0.1	mg/L	
Zinc, diss.		0.028	0.005	mg/L	
Dissolved Metals	**Method: 7470A**				
Analysis Date: 05/03/11					
Mercury, diss.		< 0.0005	0.0005	mg/L	
Dissolved Gases	**Method: RSK175**				
Analysis Date: 05/03/11					
Methane		1,530	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: G-116R
Sample No: 11-1706-011

Date Collected: 04/26/11
Time Collected: 16:40
Date Received: 04/27/11
Date Reported: 05/11/11

Analyte		Result	R.L.	Units	Flags
Ammonia (as N)	**Method: 350.1R2.0**				
Analysis Date: 05/06/11					
Ammonia (as N)		45.0	0.10	mg/L	
BOD, 5 Day	**Method: 5210B**				
Analysis Date: 04/28/11 15:00					
BOD, 5 Day		18	1	mg/L	
Chloride	**Method: 4500Cl, E**				
Analysis Date: 05/10/11					
Chloride		940	5	mg/L	
Chloride, Dissolved	**Method: 4500Cl, E**				
Analysis Date: 05/10/11					
Chloride, Dissolved		950	5	mg/L	
COD	**Method: 5220D**				
Analysis Date: 05/04/11					
COD		358	10	mg/L	
Cyanide, Total	**Method: 335.4R1.0**				
Analysis Date: 05/03/11					
Cyanide, Total		0.006	0.005	mg/L	
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**				
Analysis Date: 04/29/11					
Nitrate + Nitrite (as N)		< 0.10	0.10	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**				
Analysis Date: 04/29/11					
Nitrate (as N) Dissolved		< 0.10	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**				
Analysis Date: 05/04/11					
Sulfate, Dissolved		60	15	mg/L	
Total Dissolved Solids	**Method: 2540C**				
Analysis Date: 05/03/11					
Total Dissolved Solids		1,600	10	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**				
Analysis Date: 04/30/11					
Acetone		< 100	100	ug/L	
Benzene		< 5.0	5.0	ug/L	
Bromodichloromethane		< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: G-116R
Sample No: 11-1706-011

Date Collected: 04/26/11
Time Collected: 16:40
Date Received: 04/27/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/30/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/03/11		Preparation Date: 05/02/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: G-116R
Sample No: 11-1706-011

Date Collected: 04/26/11
Time Collected: 16:40
Date Received: 04/27/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/03/11		Preparation Date: 05/02/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: G-116R
Sample No: 11-1706-011

Date Collected: 04/26/11
Time Collected: 16:40
Date Received: 04/27/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/03/11		Preparation Date: 05/02/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/02/11		Preparation Date: 05/02/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: G-116R
Sample No: 11-1706-011

Date Collected: 04/26/11
Time Collected: 16:40
Date Received: 04/27/11
Date Reported: 05/11/11

Analyte		Result	R.L.	Units	Flags
Total Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/04/11			Preparation Date: 05/03/11		
Arsenic		0.015	0.002	mg/L	
Barium		0.431	0.001	mg/L	
Cadmium		< 0.001	0.001	mg/L	
Chromium		0.004	0.001	mg/L	
Lead		< 0.002	0.002	mg/L	
Selenium		< 0.002	0.002	mg/L	
Silver		< 0.001	0.001	mg/L	
Total Metals	**Method: 7470A**				
Analysis Date: 04/29/11					
Mercury		< 0.0005	0.0005	mg/L	
Dissolved Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/06/11			Preparation Date: 05/05/11		
Arsenic, diss.		0.010	0.002	mg/L	
Barium, diss.		0.423	0.001	mg/L	
Cadmium, diss.		< 0.001	0.001	mg/L	
Chromium, diss.		0.002	0.001	mg/L	
Lead, diss.		< 0.002	0.002	mg/L	
Selenium, diss.		< 0.002	0.002	mg/L	
Silver, diss.		< 0.001	0.001	mg/L	
Boron, diss.		1.71	0.01	mg/L	
Magnesium, diss.		319	0.1	mg/L	
Zinc, diss.		0.077	0.005	mg/L	
Dissolved Metals	**Method: 7470A**				
Analysis Date: 05/03/11					
Mercury, diss.		< 0.0005	0.0005	mg/L	
Dissolved Gases	**Method: RSK175**				
Analysis Date: 05/03/11					
Methane		1,870	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: GP-22B
Sample No: 11-1706-012

Date Collected: 04/26/11
Time Collected: 14:25
Date Received: 04/27/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Ammonia (as N) **Method: 350.1R2.0**				
Analysis Date: 04/29/11				
Ammonia (as N)	0.96	0.10	mg/L	
BOD, 5 Day **Method: 5210B**				
Analysis Date: 04/28/11 15:00				
BOD, 5 Day	3	1	mg/L	
Chloride **Method: 4500Cl, E**				
Analysis Date: 05/03/11				
Chloride	6	5	mg/L	
Chloride, Dissolved **Method: 4500Cl, E**				
Analysis Date: 05/03/11				
Chloride, Dissolved	6	5	mg/L	
COD **Method: 5220D**				
Analysis Date: 05/04/11				
COD	< 10	10	mg/L	
Cyanide, Total **Method: 335.4R1.0**				
Analysis Date: 05/03/11				
Cyanide, Total	< 0.005	0.005	mg/L	
Nitrate + Nitrite (as N) **Method: 353.2R2.0**				
Analysis Date: 04/29/11				
Nitrate + Nitrite (as N)	< 0.10	0.10	mg/L	
Nitrate (as N), Dissolved **Method: 353.2R2.0**				
Analysis Date: 04/29/11				
Nitrate (as N) Dissolved	< 0.10	0.10	mg/L	
Sulfate, Dissolved **Method: 375.2R2.0**				
Analysis Date: 05/09/11				
Sulfate, Dissolved	395	15	mg/L	
Total Dissolved Solids **Method: 2540C**				
Analysis Date: 05/03/11				
Total Dissolved Solids	1,080	10	mg/L	
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/30/11				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: GP-22B
Sample No: 11-1706-012

Date Collected: 04/26/11
Time Collected: 14:25
Date Received: 04/27/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/30/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/03/11		Preparation Date: 05/02/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: GP-22B
Sample No: 11-1706-012

Date Collected: 04/26/11
Time Collected: 14:25
Date Received: 04/27/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/03/11		Preparation Date: 05/02/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: GP-22B
Sample No: 11-1706-012

Date Collected: 04/26/11
Time Collected: 14:25
Date Received: 04/27/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C** Analysis Date: 05/03/11		**Preparation Method 3510C** Preparation Date: 05/02/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C** Analysis Date: 05/02/11		**Preparation Method 3510C** Preparation Date: 05/02/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: GP-22B
Sample No: 11-1706-012

Date Collected: 04/26/11
Time Collected: 14:25
Date Received: 04/27/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Total Metals **Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/04/11		Preparation Date: 05/03/11		
Arsenic	0.021	0.002	mg/L	
Barium	0.036	0.001	mg/L	
Cadmium	< 0.001	0.001	mg/L	
Chromium	< 0.001	0.001	mg/L	
Lead	< 0.002	0.002	mg/L	
Selenium	< 0.002	0.002	mg/L	
Silver	< 0.001	0.001	mg/L	
Total Metals **Method: 7470A**				
Analysis Date: 04/29/11				
Mercury	< 0.0005	0.0005	mg/L	
Dissolved Metals **Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/06/11		Preparation Date: 05/05/11		
Arsenic, diss.	0.020	0.002	mg/L	
Barium, diss.	0.041	0.001	mg/L	
Cadmium, diss.	< 0.001	0.001	mg/L	
Chromium, diss.	< 0.001	0.001	mg/L	
Lead, diss.	< 0.002	0.002	mg/L	
Selenium, diss.	< 0.002	0.002	mg/L	
Silver, diss.	< 0.001	0.001	mg/L	
Boron, diss.	0.34	0.01	mg/L	
Magnesium, diss.	100	0.1	mg/L	
Zinc, diss.	< 0.005	0.005	mg/L	
Dissolved Metals **Method: 7470A**				
Analysis Date: 05/03/11				
Mercury, diss.	< 0.0005	0.0005	mg/L	
Dissolved Gases **Method: RSK175**				
Analysis Date: 05/03/11				
Methane	352	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: FB-03
Sample No: 11-1706-013

Date Collected: 04/26/11
Time Collected: 14:50
Date Received: 04/27/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Ammonia (as N)	**Method: 350.1R2.0**			
Analysis Date: 04/29/11				
Ammonia (as N)	< 0.10	0.10	mg/L	
BOD, 5 Day	**Method: 5210B**			
Analysis Date: 04/28/11 15:00				
BOD, 5 Day	1	1	mg/L	
Chloride	**Method: 4500Cl, E**			
Analysis Date: 05/03/11				
Chloride	< 5	5	mg/L	
Chloride, Dissolved	**Method: 4500Cl, E**			
Analysis Date: 05/03/11				
Chloride, Dissolved	< 5	5	mg/L	
COD	**Method: 5220D**			
Analysis Date: 05/04/11				
COD	< 10	10	mg/L	
Cyanide, Total	**Method: 335.4R1.0**			
Analysis Date: 05/03/11				
Cyanide, Total	< 0.005	0.005	mg/L	
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**			
Analysis Date: 04/29/11				
Nitrate + Nitrite (as N)	< 0.10	0.10	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**			
Analysis Date: 04/29/11				
Nitrate (as N) Dissolved	< 0.10	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**			
Analysis Date: 05/04/11				
Sulfate, Dissolved	< 15	15	mg/L	
Total Dissolved Solids	**Method: 2540C**			
Analysis Date: 05/03/11				
Total Dissolved Solids	< 10	10	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**			
Analysis Date: 04/30/11				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client:	RMT, INC.	**Date Collected:**	04/26/11
Project ID:	Mallard North Landfill 01793.04.004	**Time Collected:**	14:50
Sample ID:	FB-03	**Date Received:**	04/27/11
Sample No:	11-1706-013	**Date Reported:**	05/11/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/30/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/03/11		Preparation Date: 05/02/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: FB-03
Sample No: 11-1706-013

Date Collected: 04/26/11
Time Collected: 14:50
Date Received: 04/27/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/03/11		Preparation Date: 05/02/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: FB-03
Sample No: 11-1706-013

Date Collected: 04/26/11
Time Collected: 14:50
Date Received: 04/27/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/03/11		Preparation Date: 05/02/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/02/11		Preparation Date: 05/02/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: FB-03
Sample No: 11-1706-013

Date Collected: 04/26/11
Time Collected: 14:50
Date Received: 04/27/11
Date Reported: 05/11/11

Analyte		Result	R.L.	Units	Flags
Total Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/04/11			Preparation Date: 05/03/11		
Arsenic		< 0.002	0.002	mg/L	
Barium		< 0.001	0.001	mg/L	
Cadmium		< 0.001	0.001	mg/L	
Chromium		< 0.001	0.001	mg/L	
Lead		< 0.002	0.002	mg/L	
Selenium		< 0.002	0.002	mg/L	
Silver		< 0.001	0.001	mg/L	
Total Metals	**Method: 7470A**				
Analysis Date: 04/29/11					
Mercury		< 0.0005	0.0005	mg/L	
Dissolved Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/06/11			Preparation Date: 05/05/11		
Arsenic, diss.		< 0.002	0.002	mg/L	
Barium, diss.		< 0.001	0.001	mg/L	
Cadmium, diss.		< 0.001	0.001	mg/L	
Chromium, diss.		< 0.001	0.001	mg/L	
Lead, diss.		< 0.002	0.002	mg/L	
Selenium, diss.		< 0.002	0.002	mg/L	
Silver, diss.		< 0.001	0.001	mg/L	
Boron, diss.		< 0.01	0.01	mg/L	
Magnesium, diss.		0.2	0.1	mg/L	
Zinc, diss.		< 0.005	0.005	mg/L	
Dissolved Metals	**Method: 7470A**				
Analysis Date: 05/03/11					
Mercury, diss.		< 0.0005	0.0005	mg/L	
Dissolved Gases	**Method: RSK175**				
Analysis Date: 05/09/11					
Methane		< 2.0	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: FB-04
Sample No: 11-1706-014

Date Collected: 04/26/11
Time Collected: 16:00
Date Received: 04/27/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Ammonia (as N)	**Method: 350.1R2.0**			
Analysis Date: 04/29/11				
Ammonia (as N)	< 0.10	0.10	mg/L	
BOD, 5 Day	**Method: 5210B**			
Analysis Date: 04/28/11 15:00				
BOD, 5 Day	1	1	mg/L	
Chloride	**Method: 4500Cl, E**			
Analysis Date: 05/03/11				
Chloride	< 5	5	mg/L	
Chloride, Dissolved	**Method: 4500Cl, E**			
Analysis Date: 05/03/11				
Chloride, Dissolved	< 5	5	mg/L	
COD	**Method: 5220D**			
Analysis Date: 05/04/11				
COD	< 10	10	mg/L	
Cyanide, Total	**Method: 335.4R1.0**			
Analysis Date: 05/03/11				
Cyanide, Total	< 0.005	0.005	mg/L	
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**			
Analysis Date: 04/29/11				
Nitrate + Nitrite (as N)	< 0.10	0.10	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**			
Analysis Date: 04/29/11				
Nitrate (as N) Dissolved	< 0.10	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**			
Analysis Date: 05/04/11				
Sulfate, Dissolved	< 15	15	mg/L	
Total Dissolved Solids	**Method: 2540C**			
Analysis Date: 05/03/11				
Total Dissolved Solids	< 10	10	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**			
Analysis Date: 04/30/11				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client:	RMT, INC.	**Date Collected:**	04/26/11
Project ID:	Mallard North Landfill 01793.04.004	**Time Collected:**	16:00
Sample ID:	FB-04	**Date Received:**	04/27/11
Sample No:	11-1706-014	**Date Reported:**	05/11/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/30/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/03/11		Preparation Date: 05/02/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: FB-04
Sample No: 11-1706-014

Date Collected: 04/26/11
Time Collected: 16:00
Date Received: 04/27/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/03/11		Preparation Date: 05/02/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: FB-04
Sample No: 11-1706-014

Date Collected: 04/26/11
Time Collected: 16:00
Date Received: 04/27/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/03/11		Preparation Date: 05/02/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/02/11		Preparation Date: 05/02/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: FB-04
Sample No: 11-1706-014

Date Collected: 04/26/11
Time Collected: 16:00
Date Received: 04/27/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Total Metals **Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/04/11		Preparation Date: 05/03/11		
Arsenic	< 0.002	0.002	mg/L	
Barium	< 0.001	0.001	mg/L	
Cadmium	< 0.001	0.001	mg/L	
Chromium	< 0.001	0.001	mg/L	
Lead	< 0.002	0.002	mg/L	
Selenium	< 0.002	0.002	mg/L	
Silver	< 0.001	0.001	mg/L	
Total Metals **Method: 7470A**				
Analysis Date: 04/29/11				
Mercury	< 0.0005	0.0005	mg/L	
Dissolved Metals **Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/06/11		Preparation Date: 05/05/11		
Arsenic, diss.	< 0.002	0.002	mg/L	
Barium, diss.	< 0.001	0.001	mg/L	
Cadmium, diss.	< 0.001	0.001	mg/L	
Chromium, diss.	< 0.001	0.001	mg/L	
Lead, diss.	< 0.002	0.002	mg/L	
Selenium, diss.	< 0.002	0.002	mg/L	
Silver, diss.	< 0.001	0.001	mg/L	
Boron, diss.	< 0.01	0.01	mg/L	
Magnesium, diss.	< 0.1	0.1	mg/L	
Zinc, diss.	< 0.005	0.005	mg/L	
Dissolved Metals **Method: 7470A**				
Analysis Date: 05/03/11				
Mercury, diss.	< 0.0005	0.0005	mg/L	
Dissolved Gases **Method: RSK175**				
Analysis Date: 05/09/11				
Methane	< 2.0	2.0	ug/L	N S

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: Trip Blank
Sample No: 11-1706-015

Date Collected:
Time Collected:
Date Received: 04/27/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/30/11				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	

CHAIN OF CUSTODY RECORD

First Environmental Laboratories, Inc.

First Environmental Laboratories
1600 Shore Road, Suite D
Naperville, Illinois 60563
Phone: (630) 778-1200 • Fax: (630) 778-1233
E-mail: firstinfo@firstenv.com
IEPA Certification #100292

Company Name: RMT INC
Street Address: 744 HEARTLAND TRAIL
City: MADISON State: WI Zip: 53717
Phone: 608-831-4444 Fax: e-mail:
Send Report To: T. KOCH / N. KEULER Via: Fax ☐ e-mail ☐
Sampled By: T. O'CONNOR / J. PAPEZ / L. BAKKEN

Project I.D.: Mallard North Landfill 01793.04.004
P.O. #:

Matrix Codes: S = Soil W = Water O = Other

Analyses

Date/Time Taken	Sample Description	Matrix	Methane	VOCs	D.S. Metals	D.S. Chloride & Sulfate	D.S. Nitrate	SVOCs / PAHs	Total Metals	Nitrate/Nitrite Ammonia Nitrogen COD Total Chloride TDS BOD		Cyanide	Comments	Lab I.D.
4/27/11 1020	MW-204S	W	X	X	X	X	X	X	X	X	X		X	11-1706-001
1040	MW-204D													002
0830	GP-24A												NOT FILED	003
1045	G-120DR													
1045	~~G-120BMS~~ G-120DR MS													004
1045	G-120DR MSD													
1325	G-120S													005
0900	GP-27A						X							006
1420	GP-16B								X	X	X			007
1430	GP-21B										X			008
1400	GP-8B		X	X										009
	Dup-07	X	X	X	X	X	X	X	X	X	X		X	010

FOR LAB USE ONLY:

Cooler Temperature: 0.1-6ºC Yes X No.__ _____ºC
Received within 6 hrs. of collection:_____
Ice Present: Yes X No__

Sample Refrigerated: Yes__ No__
Refrigerator Temperature:_____ºC
5035 Vials Frozen: Yes__ No__
Freezer Temperature:_____ºC

Containers Received Preserved: ☐ Yes ☐ No
Need to meet: IL. TACO ☐ IN. RISC ☐

Notes and Special Instructions:

Relinquished By: [signature] Date/Time 4/27/11 1545 Received By: [signature] Date/Time 4-27-11 1545
Relinquished By: Date/Time Received By: Date/Time

Rev. 9/08

CHAIN OF CUSTODY RECORD

First Environmental Laboratories, Inc.

First Environmental Laboratories
1600 Shore Road, Suite D
Naperville, Illinois 60563
Phone: (630) 778-1200 • Fax: (630) 778-1233
E-mail: firstinfo@firstenv.com
IEPA Certification #100292

Company Name:
Street Address: SAME AS
City: State: Zip:
Phone: Fax: PAGE e-mail:
Send Report To: PREV. Via: Fax ☐ e-mail ☐
Sampled By:

Project I.D.:
P.O. #.:

Matrix Codes: S = Soil W = Water O = Other

Analyses

Date/Time Taken	Sample Description	Matrix	Methane	VOCs	Dis Metals	Dis Chloride & Sulfate	Dis Nitrate	SVOCs/PAH	Total Metals	Nitrates/Nitrites Ammonia COD	Total chloride TDS, BOD	Cyanide	Comments	Lab I.D.
4/26/11 1640	G-116R		X	X	X	X	X	X	X	X	X	X		11-1706-011
1425	GP-22B		X	X	X	X	X	X	X	X	X	X		012
1450	FB-03		X	X	X	X	X	X	X	X	X	X		013
1600	FB-04		X	X	X	X	X	X	X	X	X	X		014
	Trip Blank			X										015

FOR LAB USE ONLY:

Cooler Temperature: 0.1-6ºC Yes X No.__ _____ºC
Received within 6 hrs. of collection:_____
Ice Present: Yes X No__

Sample Refrigerated: Yes__ No__
Refrigerator Temperature:_____ºC
5035 Vials Frozen: Yes__ No__
Freezer Temperature:_____ºC

Containers Received Preserved: ☐ Yes ☐ No
Need to meet: IL. TACO ☐ IN. RISC ☐

Notes and Special Instructions:

Relinquished By: [signature] Date/Time 4/27/11 1545 Received By: [signature] Date/Time 4-27-11 1545
Relinquished By: Date/Time Received By: Date/Time

Rev. 9/08

First Environmental Laboratories, Inc.

IL ELAP / NELAC Accreditation # 100292

1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

May 11, 2011

Mr. Jason Schoephoester
RMT, INC.
744 Heartland Trail
Madison, WI 53717

Project ID: Mallard North Landfill 01793.04.004
First Environmental File ID: 11-1707
Date Received: April 28, 2011

Dear Mr. Jason Schoephoester:

The above referenced project was analyzed as directed on the enclosed chain of custody record.

All Quality Control criteria as outlined in the methods and current IL ELAP/NELAP have been met unless otherwise noted. QA/QC documentation and raw data will remain on file for future reference. Our accreditation number is 100292 and our current certificate is number 002687: effective 03/01/2011 through 02/28/2012.

I thank you for the opportunity to be of service to you and look forward to working with you again in the future. Should you have any questions regarding any of the enclosed analytical data or need additional information, please contact me at (630) 778-1200.

Sincerely,

Stan Zaworski
Project Manager

First Environmental Laboratories, Inc.

IL ELAP / NELAC Accreditation # 100292

1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Case Narrative

RMT, INC.

Project ID: **Mallard North Landfill 01793.04.004**

First Environmental File ID: **11-1707**

Date Received: **April 28, 2011**

Flag	Description	Flag	Description
<	Analyte not detected at or above the reporting limit.	L+	LCS recovery outside control limits; high bias.
B	Analyte detected in associated method blank.	L-	LCS recovery outside control limits; low bias.
C	Identification confirmed by GC/MS.	M	MS recovery outside control limits; LCS acceptable.
D	Surrogates diluted out; recovery not available.	M+	MS recovery outside control limits high bias; LCS acceptable.
E	Estimated result; concentration exceeds calibration range.	M-	MS recovery outside control limits low bias; LCS acceptable.
F	Field measurement.	N	Analyte is not part of our NELAC accreditation.
		ND	Analyte was not detected using a library search routine; No calibration standard was analyzed.
G	Surrogate recovery outside control limits; matrix effect.	P	Chemical preservation pH adjusted in lab.
H	Analysis or extraction holding time exceeded.	Q	The analyte was determined by a GC/MS database search.
J	Estimated result; concentration is less than calib range.	S	Analyte was sub-contracted to another laboratory for analysis.
K	RPD outside control limits.	T	Sample temperature upon receipt exceeded 0-6°C
RL	Routine Reporting Limit (Lowest amount that can be detected when routine weights/volumes are used without dilution.)	W	Reporting limit elevated due to sample matrix.

All quality control criteria, as outlined in the methods, have been met except as noted below or on the following analytical report.

Sample Batch Comments:

Sample acceptance criteria were met.

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: G-123S
Sample No: 11-1707-001

Date Collected: 04/27/11
Time Collected: 16:15
Date Received: 04/28/11
Date Reported: 05/11/11

Analyte		Result	R.L.	Units	Flags
Ammonia (as N)	**Method: 350.1R2.0**				
Analysis Date: 04/29/11					
Ammonia (as N)		0.32	0.10	mg/L	
BOD, 5 Day	**Method: 5210B**				
Analysis Date: 04/28/11 15:00					
BOD, 5 Day		1	1	mg/L	
Chloride	**Method: 4500Cl, E**				
Analysis Date: 05/03/11					
Chloride		129	5	mg/L	
Chloride, Dissolved	**Method: 4500Cl, E**				
Analysis Date: 05/03/11					
Chloride, Dissolved		132	5	mg/L	
COD	**Method: 5220D**				
Analysis Date: 05/04/11					
COD		18	10	mg/L	
Cyanide, Total	**Method: 335.4R1.0**				
Analysis Date: 05/03/11					
Cyanide, Total		< 0.005	0.005	mg/L	
Nitrate + Nitrite (as N)	**Method: 353.2R2.0**				
Analysis Date: 04/29/11					
Nitrate + Nitrite (as N)		< 0.10	0.10	mg/L	
Nitrate (as N), Dissolved	**Method: 353.2R2.0**				
Analysis Date: 04/29/11					
Nitrate (as N) Dissolved		< 0.10	0.10	mg/L	
Sulfate, Dissolved	**Method: 375.2R2.0**				
Analysis Date: 05/09/11					
Sulfate, Dissolved		309	15	mg/L	
Total Dissolved Solids	**Method: 2540C**				
Analysis Date: 05/04/11					
Total Dissolved Solids		1,360	10	mg/L	
Volatile Organic Compounds	**Method: 5030B/8260B**				
Analysis Date: 04/30/11					
Acetone		< 100	100	ug/L	
Benzene		< 5.0	5.0	ug/L	
Bromodichloromethane		< 1.0	1.0	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: G-123S
Sample No: 11-1707-001

Date Collected: 04/27/11
Time Collected: 16:15
Date Received: 04/28/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 04/30/11				
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/03/11		Preparation Date: 05/02/11		
Benzidine	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client:	RMT, INC.	**Date Collected:**	04/27/11
Project ID:	Mallard North Landfill 01793.04.004	**Time Collected:**	16:15
Sample ID:	G-123S	**Date Received:**	04/28/11
Sample No:	11-1707-001	**Date Reported:**	05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/03/11		Preparation Date: 05/02/11		
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	< 10	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	< 10	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	< 10	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	< 10	10	ug/L	
2-Methylphenol	< 10	10	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: RMT, INC.
Project ID: Mallard North Landfill 01793.04.004
Sample ID: G-123S
Sample No: 11-1707-001

Date Collected: 04/27/11
Time Collected: 16:15
Date Received: 04/28/11
Date Reported: 05/11/11

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/03/11		Preparation Date: 05/02/11		
3 & 4-Methylphenol	< 10	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	< 10	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons **Method: 8270C**		**Preparation Method 3510C**		
Analysis Date: 05/03/11		Preparation Date: 05/02/11		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client:	RMT, INC.	**Date Collected:**	04/27/11
Project ID:	Mallard North Landfill 01793.04.004	**Time Collected:**	16:15
Sample ID:	G-123S	**Date Received:**	04/28/11
Sample No:	11-1707-001	**Date Reported:**	05/11/11

Analyte		Result	R.L.	Units	Flags
Total Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/04/11			Preparation Date: 05/03/11		
Arsenic		< 0.002	0.002	mg/L	
Barium		0.066	0.001	mg/L	
Cadmium		< 0.001	0.001	mg/L	
Chromium		< 0.001	0.001	mg/L	
Lead		< 0.002	0.002	mg/L	
Selenium		< 0.002	0.002	mg/L	
Silver		< 0.001	0.001	mg/L	
Total Metals	**Method: 7470A**				
Analysis Date: 05/03/11					
Mercury		< 0.0005	0.0005	mg/L	
Dissolved Metals	**Method: 6010B**		**Preparation Method 3010A**		
Analysis Date: 05/07/11			Preparation Date: 05/04/11		
Arsenic, diss.		< 0.002	0.002	mg/L	
Barium, diss.		0.067	0.001	mg/L	
Cadmium, diss.		< 0.001	0.001	mg/L	
Chromium, diss.		< 0.001	0.001	mg/L	
Lead, diss.		< 0.002	0.002	mg/L	
Selenium, diss.		< 0.002	0.002	mg/L	
Silver, diss.		< 0.001	0.001	mg/L	
Boron, diss.		0.06	0.01	mg/L	
Magnesium, diss.		127	0.1	mg/L	
Zinc, diss.		0.008	0.005	mg/L	
Dissolved Metals	**Method: 7470A**				
Analysis Date: 05/03/11					
Mercury, diss.		< 0.0005	0.0005	mg/L	
Dissolved Gases	**Method: RSK175**				
Analysis Date: 05/09/11					
Methane		36.2	2.0	ug/L	N S

CHAIN OF CUSTODY RECORD

Page____ of ____ pgs

First Environmental Laboratories, Inc.

First Environmental Laboratories
1600 Shore Road, Suite D
Naperville, Illinois 60563
Phone: (630) 778-1200 • Fax: (630) 778-1233
E-mail: firstinfo@firstenv.com
IEPA Certification #100292

Company Name: RMT, INC
Street Address: 744 Heartland Trail
City: Madison State: WI Zip: 53717
Phone: 608-831-4444 Fax: e-mail:
Send Report To: T. Koch / N. Keller Via: Fax ☐ e-mail ☐
Sampled By: J. Paez / T. O'Connor / L. Backer

Project I.D.: Mallard North Landfill 01793.04.004
P.O. #.:

Matrix Codes: S = Soil W = Water O = Other

Analyses

Date/Time Taken	Sample Description	Matrix	Methane	VOCs	D.S. Metals	D.S. Chloride Sulfate	D.S. Nitrate	SVOCs / PAHs	Total Metals	Nitrates / Nitrites Ammonia, COD	Total chloride TDS, BOD	Cyanide	Comments	Lab I.D.
4/27/11 1615	G-123S	W	X	X	X	X	X	X	X	X	X	X		11-1707-001

FOR LAB USE ONLY:

Cooler Temperature: 0.1-6ºC Yes ✓ No.__ <6 ºC
Received within 6 hrs. of collection:_____
Ice Present: Yes ✓ No__

Sample Refrigerated: Yes__ No__
Refrigerator Temperature:_____ºC
5035 Vials Frozen: Yes__ No__
Freezer Temperature:_____ºC

Containers Received Preserved: ☐ Yes ☐ No
Need to meet: IL. TACO ☐ IN. RISC ☐

Notes and Special Instructions:

Relinquished By: [signature] Date/Time 4/28/11 0835 Received By: [signature] Date/Time 4/28/11 0835
Relinquished By: Date/Time Received By: Date/Time

Rev. 9/08