JOYCE ENGINEERING

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January 6, 2012

Ms. Jaclynne Drummond
Compliance Hydrogeologist
NC Department of Environment and Natural Resources
Division of Waste Management – Solid Waste Section
1646 Mail Service Center
Raleigh, North Carolina 27699-1646

**RE: Second Semiannual Groundwater Monitoring Report of 2011**
**Lee County Landfill, Permit No. 53-01**
**Lee County, North Carolina**
**JE Project No. 00862.1101.12 Task No. 01**

Dear Ms. Drummond:

On behalf of Lee County, Joyce Engineering (JE) is submitting the enclosed *Second Semiannual Groundwater Monitoring Report of 2011* in electronic format, plus a hard copy of the Environmental Monitoring Form. This completes the second semiannual compliance monitoring event of 2011 for the closed Lee County Landfill, Permit No. 53-01, as required by the North Carolina Division of Waste Management, Solid Waste Section. Please feel free to contact me at (336) 323-0092 if you have any questions regarding this submittal.

Sincerely,
**JOYCE ENGINEERING**

Jeremey J. Kerly, P.G.
Senior Project Consultant

Enclosures

C: Joseph Cherry – Lee County, Solid Waste Superintendent

**PREPARED FOR:**

**LEE COUNTY GENERAL SERVICES**
**805 S. FIFTH STREET**
**SANFORD, NORTH CAROLINA 27330**

# LEE COUNTY LANDFILL
# PERMIT NO. 53-01

# SECOND SEMIANNUAL GROUNDWATER MONITORING REPORT OF 2011

**JANUARY 2012**

***PREPARED BY:***

JOYCE ENGINEERING
2211 WEST MEADOWVIEW RD. SUITE 101
GREENSBORO, NORTH CAROLINA 27407
PHONE: (336) 323-0092
FAX: (336) 323-0093
JEI PROJECT NO. 00862.1101.12.01
NC LICENSE NO. C-0782

DENR USE ONLY: ☐ Paper Report ☐ Electronic Data - Email CD (data loaded: Yes / No ) Doc/Event #:

NC DENR
Division of Waste Management - Solid Waste

# Environmental Monitoring Reporting Form

**Notice:** This form and any information attached to it are "Public Records" as defined in NC General Statute 132-1. As such, these documents are available for inspection and examination by any person upon request (NC General Statute 132-6).

## Instructions:

- **Prepare one form for each individually monitored unit.**
- **Please type or print legibly.**
- Attach a notification table with values that attain or exceed NC 2L groundwater standards or NC 2B surface water standards. The notification must include a preliminary analysis of the cause and significance of each value. (e.g. naturally occurring, off-site source, pre-existing condition, etc.).
- Attach a notification table of any groundwater or surface water values that equal or exceed the reporting limits.
- Attach a notification table of any methane gas values that attain or exceed explosive gas levels. This includes any structures on or nearby the facility (NCAC 13B .1629 (4)(a)(i).
- Send the original signed and sealed form, any tables, and Electronic Data Deliverable to: Compliance Unit, NCDENR-DWM, Solid Waste Section, 1646 Mail Service Center, Raleigh, NC 27699-1646.

## Solid Waste Monitoring Data Submittal Information

**Name of entity submitting data (laboratory, consultant, facility owner):**

Joyce Engineering

**Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address:**

Name: Jeremey J. Kerly Phone: (336) 323-0092

E-mail: jkerly@joyceengineering.com

| Facility name: | Facility Address: | Facility Permit # | NC Landfill Rule: (.0500 or .1600) | Actual sampling dates (e.g., October 20-24, 2006) |
|---|---|---|---|---|
| Lee County Landfill | 330 Landfill Road<br>Sanford, NC 27330 | 53-01 | .0500 | October 10, 2011 |

**Environmental Status: (Check all that apply)**

☐ Initial/Background Monitoring ☒ Detection Monitoring ☐ Assessment Monitoring ☐ Corrective Action

**Type of data submitted: (Check all that apply)**

☒ Groundwater monitoring data from monitoring wells
☐ Groundwater monitoring data from private water supply wells
☐ Leachate monitoring data
☒ Surface water monitoring data
☐ Methane gas monitoring data
☐ Corrective action data (specify) _____
☐ Other(specify) _____

**Notification attached?**

☐ No. No groundwater or surface water standards were exceeded.
☒ Yes, a notification of values exceeding a groundwater or surface water standard is attached. It includes a list of groundwater and surface water monitoring points, dates, analytical values, NC 2L groundwater standard, NC 2B surface water standard or NC Solid Waste GWPS and preliminary analysis of the cause and significance of any concentration.
☐ Yes, a notification of values exceeding an explosive methane gas limit is attached. It includes the methane monitoring points, dates, sample values and explosive methane gas limits.

## Certification

**To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. I am aware that there are significant penalties for making any false statement, representation, or certification including the possibility of a fine and imprisonment.**

Jeremey J. Kerly — Senior Project Consultant — (336) 323-0092

Facility Representative Name (Print) — Title — (Area Code) Telephone Number

Signature — Date: 1-6-12

Affix NC Licensed/ Professional Geologist Seal

NORTH CAROLINA LICENSED SEAL 2097 GEOLOGIST JEREMEY JOHN KERLY

2211 W. Meadowview Rd., Ste. 101 Greensboro, NC 27407

Facility Representative Address

C-0782

NC PE Firm License Number (if applicable effective May 1, 2009)

Revised 6/2009

**Second Semiannual Groundwater Monitoring Report of 2011**
**Lee County Landfill**
**Lee County, North Carolina**

## TABLE OF CONTENTS


**1.0 INTRODUCTION** ..... 1
**1.1 Site Information** ..... 1
**1.2 Site Geology and Hydrogeology** ..... 1
**1.3 Regulatory Status** ..... 1
**2.0 FACILITY MONITORING PROGRAM** ..... 1
**2.1 Groundwater Monitoring Program** ..... 1
**2.2 Surface Water Monitoring Program** ..... 2
**3.0 FIELD WORK AND LABORATORY ANALYSIS** ..... 2
**4.0 DATA ANALYSIS AND COMPARISONS TO STANDARDS** ..... 4
**5.0 CONCLUSION** ..... 4
**6.0 REFERENCES** ..... 4

***Tables***

Table 1 Summary of Historical Groundwater Elevations
Table 2 Summary of Detected Constituents and Field Parameters

***Drawings***

Drawing No. 1 Site Location Map
Drawing No. 2 Potentiometric Surface Contour Map

***Appendix***

Laboratory Analytical Report

# 1.0 INTRODUCTION

## 1.1 Site Information

The Lee County Landfill is a closed, unlined municipal solid waste (MSW) and construction & demolition (C&D) landfill located on approximately 254.6 acres in Lee County, NC, approximately 6.5 miles south of Sanford. The six MSW and one C&D waste disposal areas comprise approximately 100.8 acres. The property boundary is indicated on an excerpt from the 7.5 minutes USGS topographic map for Muchison & Sanford, North Carolina (Drawing No. 1). The MSW portion of the facility ceased accepting waste prior to October 9, 1993, and a letter of closure was issued on December 20, 1996. The C&D portion of the facility was issued a Permit to Operate on July 25, 1995 and ceased accepting waste June 30, 2008.

## 1.2 Site Geology and Hydrogeology

The Lee County Landfill is located near the edge of the Coastal Plain Physiographic Province. The facility is underlain by the Middendorf Formation consisting of sand, sandstone, and mudstone. The Middendorf Formation is underlain by metavolcanic rocks of the Eastern Slate Belt. The uppermost aquifer is unconfined. The groundwater level measurements taken in October 2011 were used to construct the potentiometric surface contours shown in Drawing No. 2. Historical static water levels are provided in Table 1. Groundwater flow at the site is generally to the southeast.

## 1.3 Regulatory Status

The Lee County Landfill is currently monitoring groundwater in accordance with criteria set forth in Rule .0500 of the North Carolina Solid Waste Management Rules (NCSWMR) for MSW landfills closed prior to October 9, 1993 and C&D landfills closed prior to July 1, 2008.

# 2.0 FACILITY MONITORING PROGRAM

## 2.1 Groundwater Monitoring Program

The current groundwater compliance monitoring network includes 6 monitoring wells. In addition, there are 4 monitoring wells used only for water level measurements. These wells are summarized below, along with their current monitoring program status. The locations of the monitoring wells are shown on Drawing No. 2.

Groundwater samples are collected semiannually in April and October. Samples are analyzed for RCRA metals and the NC Appendix I list of volatile organic constituents during the first and second semiannual events.

| Monitoring Well | Classification | Monitoring Program | Total Depth from TOC (ft) |
|---|---|---|---|
| MW-4 | Observation | Water Levels Only | 19.00 |
| MW-5 | Compliance | Detection (.0500) | 19.50 |
| MW-6 | Compliance | Detection (.0500) | 40.40 |
| MW-7 | Observation | Water Levels Only | 22.17 |
| MW-9 | Compliance | Detection (.0500) | 22.85 |
| MW-10 | Compliance | Detection (.0500) | 22.80 |
| MW-11 | Observation | Water Levels Only | 22.75 |
| MW-12 | Compliance | Detection (.0500) | 13.30 |
| MW-13 | Observation | Water Levels Only | 24.25 |
| MW-14 | Compliance | Detection (.0500) | 18.25 |

*TOC = Top of casing.

## 2.2 Surface Water Monitoring Program

Surface water at the Lee County Landfill is monitored semiannually in conjunction with the groundwater sampling events. Samples are collected from one surface water monitoring point (SW-2). Samples are not collected from SW-1. The location of the surface water monitoring point is shown on Drawing No. 2.

Surface water samples will be collected and analyzed for RCRA metals and the NC Appendix I list of volatile organic constituents during both semiannual monitoring events. These surface water monitoring point are summarized below, along with their current monitoring program status.

| Surface Point | Classification | Monitoring Program |
|---|---|---|
| *SW-1* | Not Monitored | Surface Water |
| *SW-2* | Compliance | Surface Water |

# 3.0 FIELD WORK AND LABORATORY ANALYSIS

In order to detect potential releases of leachate and/or landfill gas migration in a timely manner, a visual inspection program has been implemented at the Lee County Landfill. This inspection program involves field personnel making the following observations:

- Observation of stress induced on the biological community (e.g., dead or dying vegetation),
- Indications of leachate impact (e.g., seeps, impacted surface water),
- Observations of erosion; and
- Negative changes around the waste facility.

On October 10, 2011 Joyce Engineering (JE) personnel visited the facility to purge and sample the facility's monitoring wells MW-5, MW-6, MW-9, MW-10, MW-12, and MW-14. Prior to purging, the depth to static water level was measured for all monitoring wells with an electronic water level indicator, accurate to 0.01 foot. MW-4, MW-7, MW-11, and MW-13 were measured for static water levels only.

Monitoring wells were purged and sampled using disposable bailers. Measurements of temperature, pH, specific conductivity, and turbidity were recorded in the site specific log book prior to purging, after each purge volume, and during sampling. Prior to sampling, laboratory-supplied containers were prepared with the following information:

- Monitoring well number (completed by field personnel),
- Date and time of sample collection (completed by field personnel),
- Initials of sampling personnel (completed by field personnel),
- Project name and number (completed by the laboratory),
- Chemical preservative (completed by the laboratory); and
- Requested chemical analysis (completed by the laboratory).

Groundwater samples from each monitoring well were collected directly from the disposable bailers in the provided laboratory containers either immediately after purging or within 24 hours of the final purge volume. Immediately after collection, the samples were placed in a laboratory provided cooler and chilled on ice.

Surface water samples are collected directly from stream flow, by lowering the prepared sample containers into the stream flow with the opening facing into the current flow. Care is taken not to overflow the sample containers (which could lead to preservative loss) and avoid sample-induced turbidity. At the time of sampling, surface water is also measured for temperature, pH, specific conductivity, and turbidity. After sample collection, the samples are placed in a laboratory provided cooler and chilled on ice. Surface water samples were not collected during this event due to dry stream conditions.

The October 2011 groundwater and surface water samples were submitted to Pace Analytical Services, Inc. of Huntersville, North Carolina under chain-of-custody control for analysis. As presented earlier, the groundwater samples were analyzed for RCRA metals and the NC Appendix I list of volatile organic constituents. JE requested a Level II data report for the final laboratory report. The samples were received by the laboratory on October 11, 2011 in good condition, properly preserved, and within analysis hold times.

In addition to samples collected for compliance monitoring at the Lee County Landfill, a Field Blank was collected by JE personnel as part of the October 2011 sampling event. Also, a Trip Blank was prepared by the laboratory to accompany the volatile sampling containers during shipment to and from the laboratory. The October 2011 Field Blank was analyzed for RCRA

metals and the NC Appendix I list of volatile organic constituents while the October 2011 Trip Blanks was analyzed for the NCSWMR Appendix I volatile organic constituent only.

## 4.0 DATA ANALYSIS AND COMPARISONS TO STANDARDS

Results from the October 2011 sampling event were received October 25, 2011 from Pace Analytical Services, Inc. and are found in the Appendix. Analytical results from monitoring wells were compared directly to the NC 2L Groundwater Standards or Groundwater Protection Standards. Analytical results from the surface water monitoring point are compared to the NC 2B Surface Water Standards, but are not needed for this monitoring event due to the dry stream conditions. A summary of the October 2011 detected constituents and field parameters can be found in Table 2.

## 5.0 CONCLUSION

Based on historical water quality data, constituents detected in groundwater and surface water samples collected during the October 2011 monitoring event are consistent with previous events. The Lee County Landfill will remain in Detection Monitoring and the next scheduled semiannual sampling event is scheduled for the April 2012.

## 6.0 REFERENCES

Brown, Philip M., Chief Geologist, 1985, *Geologic Map of North Carolina*, The North Carolina Geologic Survey, scale 1:500,000.

North Carolina Department of Environment and Natural Resources, 1990-2011, *Solid Waste Management Regulations*.

USEPA, 1986, *RCRA Ground Water Monitoring Technical Enforcement Guidance Document* (TEGD).

USEPA, 1992, *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Addendum to Interim Final Guidance*, Chapter 2, July.

## *Tables*

Table 1 Summary of Historical Groundwater Elevations
Table 2 Summary of Detected Constituents and Field Parameters

## TABLE 1

## SUMMARY OF GROUNDWATER ELEVATIONS

| Location | MW-4 | MW-5 | MW-6 | MW-7 | MW-9 | MW-10 | MW-11 | MW-12 | MW-13 | MW-14 |
|---|---|---|---|---|---|---|---|---|---|---|
| **TOC Elevation** | 345.90 | 351.10 | 402.10 | 360.30 | 384.20 | 377.00 | 399.60 | 337.40 | 363.93 | 358.61 |
| **Well Depth** | 19.00 | 19.50 | 40.40 | 22.17 | 22.85 | 22.80 | 22.75 | 13.30 | 24.25 | 18.25 |
| **24-Apr-09** | 336.60 | NM | 393.46 | 351.82 | 377.27 | 369.77 | 390.44 | 333.59 | 355.87 | 352.89 |
| **24-Nov-09** | 335.10 | 344.85 | 393.15 | 351.45 | 375.05 | 369.05 | 389.05 | 333.75 | 354.69 | 351.83 |
| **09-Apr-10** | 337.10 | 344.90 | 392.68 | 351.75 | 376.44 | 369.67 | 390.30 | 333.85 | 355.98 | 352.91 |
| **04-Oct-10** | 330.59 | 344.55 | 392.16 | 349.24 | 374.82 | 367.84 | 388.54 | 332.98 | 353.38 | 350.52 |
| **15-Apr-11** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **10-Oct-11** | DRY | 341.64 | 391.18 | 347.76 | 370.56 | 363.44 | 383.59 | 328.87 | 348.94 | 347.68 |

Notes:

1. Water levels are measured from top of casing (TOC).
2. NM = Not monitored.
2. NA = Not available.
4. DRY = Monitoring well was dry.

# TABLE 2

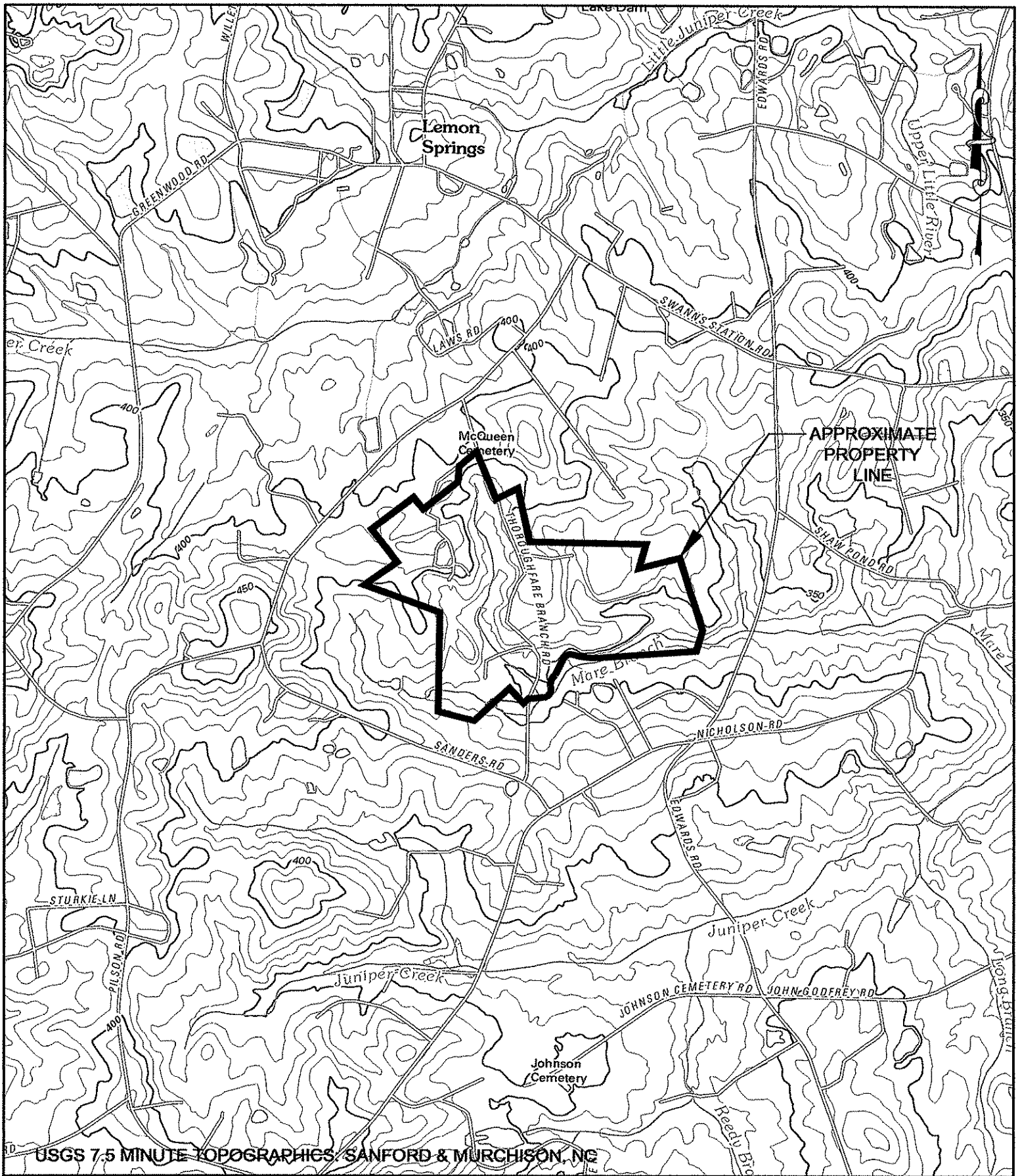
## SUMMARY OF DETECTED CONSTITUENTS AND FIELD PARAMETERS

| Constituents and Field Parameters | NC2L / GWPS* | MW-5 | MW-6 | MW-9 | MW-10 | MW-12 | MW-14 | NC 2B | SW-2 | Blanks |
|---|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 10 | ND | ND | ND | ND | 6.2 J | ND | 50 | DRY | ND |
| Barium | 700 | 201 | 53.4 J | 103 | 93.9 J | 1370 | 95.9 J | NE | DRY | ND |
| Acetone | 6000 | ND | ND | ND | ND | 4.4 B | ND | 2000 | DRY | 2.3 J |
| Benzene | 1 | ND | ND | ND | ND | 3.6 | ND | NE | DRY | ND |
| Chlorobenzene | 50 | ND | ND | ND | ND | 8.3 | ND | 140 | DRY | ND |
| Chloroethane | 3000 | ND | ND | ND | ND | 103 | ND | NE | DRY | ND |
| 1,2-Dichlorobenzene | 20 | ND | ND | ND | ND | 0.37 J | ND | 470 | DRY | ND |
| 1,4-Dichlorobenzene | 6 | ND | ND | ND | ND | 3.1 | ND | 100 | DRY | ND |
| 1,1-Dichloroethane | 6 | ND | ND | ND | ND | 12.0 | ND | 20000 | DRY | ND |
| 1,2-Dichloroethane | 0.4 | ND | ND | ND | ND | 0.62 J | ND | NE | DRY | ND |
| Toluene | 600 | ND | ND | ND | ND | 0.43 J | ND | 11 | DRY | ND |
| Temperature (°C) | - | 18.9 | 18.1 | 18.1 | 19.2 | 19.5 | 19.7 | - | - | - |
| Conductivity (µS) | - | 184.6 | 120.1 | 66.7 | 64.7 | 1586 | 96.5 | - | - | - |
| pH | - | 6.75 | 6.05 | 4.87 | 5.02 | 6.14 | 5.83 | - | - | - |
| Turbidity (NTU) | - | 11.29 | 12.48 | 9.76 | 16.21 | 68.7 | 12.65 | - | - | - |

Notes:
1. All concentrations are reported in micrograms per liter (ug/L), except where noted.
2. J = Estimated value.
3. B = Report detect considered to represent blank contamination.
4. ND = Not detected.
5. NE = Not established.
6. DRY = Monitoring well or sampling point was dry and not sampled.
7. NC 2L Standard = North Carolina's groundwater quality standard established under 15A NCAC 2L, .0202.
8. GWPS = Groundwater Protection Standards.
9. NC 2B Standard = North Carolina's surface water standards.
10. Shaded data indicates concentrations detected above the NC 2L, GWPS, or NC 2B.

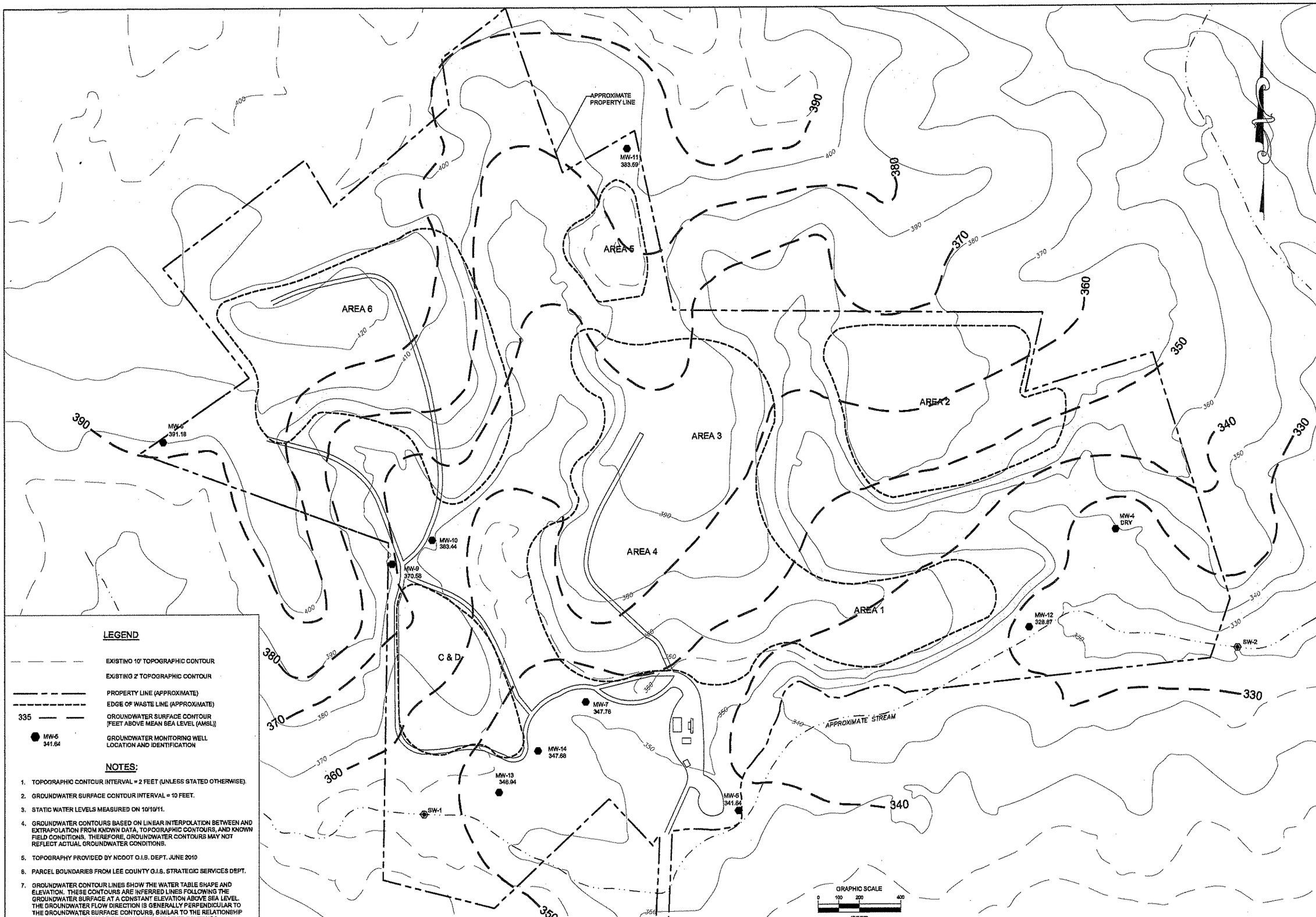
## *Drawings*


| | |
|---|---|
| Drawing No. 1 | Site Location Map |
| Drawing No. 2 | Potentiometric Surface Contour Map |




| | | | | |
|---|---|---|---|---|
| LEE COUNTY LANDFILL<br>LEE COUNTY, NC | JOYCE ENGINEERING<br>2211 W. MEADOWVIEW ROAD<br>GREENSBORO, NC 27407<br>PHONE: (336) 323-0092 | DESIGNED RLW<br>DRAWN HRW<br>CHECKED RLW<br>APPROVED JJK<br>DATE 1/4/12 | SCALE<br>1" = 2000' | PROJECT NO.<br>862.1101.12 |
| SITE LOCATION MAP<br>331 LANDFILL ROAD | | © 2012 Joyce Engineering, Inc. All rights reserved. | NC CORP LIC: C-0782 | DRAWING NO.<br>1 |

L:\Lee County\DWG\, SITE LOC MAP 2011.dwg




## LEGEND

- EXISTING 10' TOPOGRAPHIC CONTOUR
- EXISTING 2' TOPOGRAPHIC CONTOUR
- PROPERTY LINE (APPROXIMATE)
- EDGE OF WASTE LINE (APPROXIMATE)
- 335 — GROUNDWATER SURFACE CONTOUR (FEET ABOVE MEAN SEA LEVEL (AMSL))
- MW-5 341.64 — GROUNDWATER MONITORING WELL LOCATION AND IDENTIFICATION

## NOTES:

1. TOPOGRAPHIC CONTOUR INTERVAL = 2 FEET (UNLESS STATED OTHERWISE).
2. GROUNDWATER SURFACE CONTOUR INTERVAL = 10 FEET.
3. STATIC WATER LEVELS MEASURED ON 10/10/11.
4. GROUNDWATER CONTOURS BASED ON LINEAR INTERPOLATION BETWEEN AND EXTRAPOLATION FROM KNOWN DATA, TOPOGRAPHIC CONTOURS, AND KNOWN FIELD CONDITIONS. THEREFORE, GROUNDWATER CONTOURS MAY NOT REFLECT ACTUAL GROUNDWATER CONDITIONS.
5. TOPOGRAPHY PROVIDED BY NCDOT O.I.S. DEPT. JUNE 2010
6. PARCEL BOUNDARIES FROM LEE COUNTY G.I.S. STRATEGIC SERVICES DEPT.
7. GROUNDWATER CONTOUR LINES SHOW THE WATER TABLE SHAPE AND ELEVATION. THESE CONTOURS ARE INFERRED LINES FOLLOWING THE GROUNDWATER SURFACE AT A CONSTANT ELEVATION ABOVE SEA LEVEL. THE GROUNDWATER FLOW DIRECTION IS GENERALLY PERPENDICULAR TO THE GROUNDWATER SURFACE CONTOURS, SIMILAR TO THE RELATIONSHIP BETWEEN SURFACE WATER FLOW AND TOPOGRAPHIC CONTOURS.

| NO | BY | CK | APP | DATE | REVISIONS AND RECORD OF ISSUE |
|---|---|---|---|---|---|

DESIGNED RLW
DRAWN HRW
CHECKED RLW
APPROVED JJK
DATE 1/14/12

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JOYCE ENGINEERING
2211 W. MEADOWVIEW ROAD
GREENSBORO, NC 27407
PHONE: (336) 323-0092
NC CORP LIC: C-0782

# LEE COUNTY LANDFILL
# LEE COUNTY, NORTH CAROLINA
## POTENTIOMETRIC SURFACE CONTOUR MAP
## OCTOBER 10, 2011

PROJECT NO. 862.1101.12

SCALE AS SHOWN

DRAWING NO. 2

L:\Lee County\dwg\GW MAP OCT 2011.dwgGR

# *Appendix*

Laboratory Analytical Report

Pace Analytical®
www.pacelabs.com

**Pace Analytical Services, Inc.**
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

**Pace Analytical Services, Inc.**
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

**Pace Analytical Services, Inc.**
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

October 25, 2011

Mr. Jeremey Kerly
Joyce Engineering-NC
2211 West Meadowview Rd
Suite 101
Greensboro, NC 27407

RE: Project: LEE COUNTY
Pace Project No.: 92104123

Dear Mr. Kerly:
Enclosed are the analytical results for sample(s) received by the laboratory on October 11, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards, where applicable, unless otherwise narrated in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kevin Godwin

kevin.godwin@pacelabs.com
Project Manager

Enclosures

Pace Analytical®
www.pacelabs.com

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# CERTIFICATIONS

Project: LEE COUNTY
Pace Project No.: 92104123

**Charlotte Certification IDs**
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Virginia Drinking Water Certification #: 00213
Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DHH Drinking Water # LA 100031
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460144

**Asheville Certification IDs**
2225 Riverside Dr., Asheville, NC 28804
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia Certification #: 00072
West Virginia Certification #: 356
Virgina/VELAP Certification #: 460147



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## SAMPLE SUMMARY

Project: LEE COUNTY
Pace Project No.: 92104123

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|---|---|---|---|---|
| **92104123001** | **5301-MW5** | Water | 10/10/11 15:35 | 10/11/11 16:55 |
| **92104123002** | **5301-MW6** | Water | 10/10/11 13:45 | 10/11/11 16:55 |
| **92104123003** | **5301-MW9** | Water | 10/10/11 14:30 | 10/11/11 16:55 |
| **92104123004** | **5301-MW10** | Water | 10/10/11 14:20 | 10/11/11 16:55 |
| **92104123005** | **5301-MW12** | Water | 10/10/11 15:05 | 10/11/11 16:55 |
| **92104123006** | **5301-MW14** | Water | 10/10/11 14:45 | 10/11/11 16:55 |
| **92104123007** | **5301-FIELD BLANK** | Water | 10/10/11 15:50 | 10/11/11 16:55 |
| **92104123008** | **5301-TRIP BLANK** | Water | 10/07/11 00:00 | 10/11/11 16:55 |



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# SAMPLE ANALYTE COUNT

Project: LEE COUNTY
Pace Project No.: 92104123

| Lab ID | Sample ID | Method | Analysts | Analytes Reported | Laboratory |
|---|---|---|---|---|---|
| **92104123001** | **5301-MW5** | EPA 6010 | JMW | 7 | PASI-A |
| | | EPA 7470 | SHB | 1 | PASI-A |
| | | EPA 8260 | MCK | 54 | PASI-C |
| **92104123002** | **5301-MW6** | EPA 6010 | JMW | 7 | PASI-A |
| | | EPA 7470 | SHB | 1 | PASI-A |
| | | EPA 8260 | MCK | 54 | PASI-C |
| **92104123003** | **5301-MW9** | EPA 6010 | JMW | 7 | PASI-A |
| | | EPA 7470 | SHB | 1 | PASI-A |
| | | EPA 8260 | MCK | 54 | PASI-C |
| **92104123004** | **5301-MW10** | EPA 6010 | JMW | 7 | PASI-A |
| | | EPA 7470 | SHB | 1 | PASI-A |
| | | EPA 8260 | MCK | 54 | PASI-C |
| **92104123005** | **5301-MW12** | EPA 6010 | JMW | 7 | PASI-A |
| | | EPA 7470 | SHB | 1 | PASI-A |
| | | EPA 8260 | MCK | 54 | PASI-C |
| **92104123006** | **5301-MW14** | EPA 6010 | JMW | 7 | PASI-A |
| | | EPA 7470 | SHB | 1 | PASI-A |
| | | EPA 8260 | MCK | 54 | PASI-C |
| **92104123007** | **5301-FIELD BLANK** | EPA 6010 | JMW | 7 | PASI-A |
| | | EPA 7470 | SHB | 1 | PASI-A |
| | | EPA 8260 | MCK | 54 | PASI-C |
| **92104123008** | **5301-TRIP BLANK** | EPA 8260 | MCK | 54 | PASI-C |



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## HITS ONLY

Project: LEE COUNTY
Pace Project No.: 92104123

| Lab Sample ID / Method | Client Sample ID / Parameters | Result | Units | Report Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|---|
| **92104123001** | **5301-MW5** | | | | | |
| EPA 6010 | Barium | 201 | ug/L | 100 | 10/19/11 02:00 | |
| **92104123002** | **5301-MW6** | | | | | |
| EPA 6010 | Barium | 53.4J | ug/L | 100 | 10/19/11 02:04 | |
| **92104123003** | **5301-MW9** | | | | | |
| EPA 6010 | Barium | 103 | ug/L | 100 | 10/19/11 02:07 | |
| **92104123004** | **5301-MW10** | | | | | |
| EPA 6010 | Barium | 93.9J | ug/L | 100 | 10/19/11 02:28 | |
| **92104123005** | **5301-MW12** | | | | | |
| EPA 6010 | Arsenic | 6.2J | ug/L | 10.0 | 10/19/11 02:32 | |
| EPA 6010 | Barium | 1370 | ug/L | 100 | 10/19/11 02:32 | |
| EPA 8260 | Acetone | 4.4J | ug/L | 100 | 10/18/11 07:58 | |
| EPA 8260 | Benzene | 3.6 | ug/L | 1.0 | 10/18/11 07:58 | |
| EPA 8260 | Chlorobenzene | 8.3 | ug/L | 3.0 | 10/18/11 07:58 | |
| EPA 8260 | Chloroethane | 103 | ug/L | 10.0 | 10/18/11 07:58 | |
| EPA 8260 | 1,2-Dichlorobenzene | 0.37J | ug/L | 5.0 | 10/18/11 07:58 | |
| EPA 8260 | 1,4-Dichlorobenzene | 3.1 | ug/L | 1.0 | 10/18/11 07:58 | |
| EPA 8260 | 1,1-Dichloroethane | 12.0 | ug/L | 5.0 | 10/18/11 07:58 | |
| EPA 8260 | 1,2-Dichloroethane | 0.62J | ug/L | 1.0 | 10/18/11 07:58 | |
| EPA 8260 | Toluene | 0.43J | ug/L | 1.0 | 10/18/11 07:58 | |
| **92104123006** | **5301-MW14** | | | | | |
| EPA 6010 | Barium | 95.9J | ug/L | 100 | 10/19/11 02:37 | |
| **92104123007** | **5301-FIELD BLANK** | | | | | |
| EPA 8260 | Acetone | 2.3J | ug/L | 100 | 10/18/11 08:49 | |
| EPA 8260 | Chloroform | 0.43J | ug/L | 5.0 | 10/18/11 08:49 | |
| EPA 8260 | Chloromethane | 0.14J | ug/L | 1.0 | 10/18/11 08:49 | |



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# ANALYTICAL RESULTS

Project: LEE COUNTY
Pace Project No.: 92104123

**Sample: 5301-MW5** **Lab ID: 92104123001** Collected: 10/10/11 15:35 Received: 10/11/11 16:55 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **6010 ICP Groundwater** | Analytical Method: EPA 6010 Preparation Method: EPA 3010 | | | | | | | | |
| Arsenic | ND | ug/L | 10.0 | 5.0 | 1 | 10/17/11 16:45 | 10/19/11 02:00 | 7440-38-2 | |
| Barium | **201** | ug/L | 100 | 5.0 | 1 | 10/17/11 16:45 | 10/19/11 02:00 | 7440-39-3 | |
| Cadmium | ND | ug/L | 1.0 | 1.0 | 1 | 10/17/11 16:45 | 10/19/11 02:00 | 7440-43-9 | |
| Chromium | ND | ug/L | 10.0 | 5.0 | 1 | 10/17/11 16:45 | 10/19/11 02:00 | 7440-47-3 | |
| Lead | ND | ug/L | 10.0 | 5.0 | 1 | 10/17/11 16:45 | 10/19/11 02:00 | 7439-92-1 | |
| Selenium | ND | ug/L | 10.0 | 10.0 | 1 | 10/17/11 16:45 | 10/19/11 02:00 | 7782-49-2 | |
| Silver | ND | ug/L | 10.0 | 5.0 | 1 | 10/17/11 16:45 | 10/19/11 02:00 | 7440-22-4 | |
| **7470 Mercury** | Analytical Method: EPA 7470 Preparation Method: EPA 7470 | | | | | | | | |
| Mercury | ND | ug/L | 0.20 | 0.10 | 1 | 10/23/11 12:35 | 10/24/11 12:10 | 7439-97-6 | |
| **8260 MSV Low Level Landfill** | Analytical Method: EPA 8260 | | | | | | | | |
| Acetone | ND | ug/L | 100 | 2.2 | 1 | | 10/14/11 02:26 | 67-64-1 | |
| Acrylonitrile | ND | ug/L | 200 | 1.9 | 1 | | 10/14/11 02:26 | 107-13-1 | |
| Benzene | ND | ug/L | 1.0 | 0.25 | 1 | | 10/14/11 02:26 | 71-43-2 | |
| Bromochloromethane | ND | ug/L | 3.0 | 0.17 | 1 | | 10/14/11 02:26 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 1.0 | 0.18 | 1 | | 10/14/11 02:26 | 75-27-4 | |
| Bromoform | ND | ug/L | 3.0 | 0.26 | 1 | | 10/14/11 02:26 | 75-25-2 | |
| Bromomethane | ND | ug/L | 10.0 | 0.29 | 1 | | 10/14/11 02:26 | 74-83-9 | |
| 2-Butanone (MEK) | ND | ug/L | 100 | 0.96 | 1 | | 10/14/11 02:26 | 78-93-3 | |
| Carbon disulfide | ND | ug/L | 100 | 1.2 | 1 | | 10/14/11 02:26 | 75-15-0 | |
| Carbon tetrachloride | ND | ug/L | 1.0 | 0.25 | 1 | | 10/14/11 02:26 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 3.0 | 0.23 | 1 | | 10/14/11 02:26 | 108-90-7 | |
| Chloroethane | ND | ug/L | 10.0 | 0.54 | 1 | | 10/14/11 02:26 | 75-00-3 | |
| Chloroform | ND | ug/L | 5.0 | 0.14 | 1 | | 10/14/11 02:26 | 67-66-3 | |
| Chloromethane | ND | ug/L | 1.0 | 0.11 | 1 | | 10/14/11 02:26 | 74-87-3 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 13.0 | 2.5 | 1 | | 10/14/11 02:26 | 96-12-8 | |
| Dibromochloromethane | ND | ug/L | 3.0 | 0.21 | 1 | | 10/14/11 02:26 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 1.0 | 0.27 | 1 | | 10/14/11 02:26 | 106-93-4 | |
| Dibromomethane | ND | ug/L | 10.0 | 0.21 | 1 | | 10/14/11 02:26 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/L | 5.0 | 0.30 | 1 | | 10/14/11 02:26 | 95-50-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 1.0 | 0.33 | 1 | | 10/14/11 02:26 | 106-46-7 | |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 100 | 1.0 | 1 | | 10/14/11 02:26 | 110-57-6 | |
| 1,1-Dichloroethane | ND | ug/L | 5.0 | 0.32 | 1 | | 10/14/11 02:26 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 1.0 | 0.12 | 1 | | 10/14/11 02:26 | 107-06-2 | |
| 1,2-Dichloroethene (Total) | ND | ug/L | 5.0 | 0.49 | 1 | | 10/14/11 02:26 | 540-59-0 | |
| 1,1-Dichloroethene | ND | ug/L | 5.0 | 0.56 | 1 | | 10/14/11 02:26 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 5.0 | 0.19 | 1 | | 10/14/11 02:26 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 5.0 | 0.49 | 1 | | 10/14/11 02:26 | 156-60-5 | |
| 1,2-Dichloropropane | ND | ug/L | 1.0 | 0.27 | 1 | | 10/14/11 02:26 | 78-87-5 | |
| cis-1,3-Dichloropropene | ND | ug/L | 1.0 | 0.13 | 1 | | 10/14/11 02:26 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 1.0 | 0.26 | 1 | | 10/14/11 02:26 | 10061-02-6 | |
| Ethylbenzene | ND | ug/L | 1.0 | 0.30 | 1 | | 10/14/11 02:26 | 100-41-4 | |
| 2-Hexanone | ND | ug/L | 50.0 | 0.46 | 1 | | 10/14/11 02:26 | 591-78-6 | |
| Iodomethane | ND | ug/L | 10.0 | 0.32 | 1 | | 10/14/11 02:26 | 74-88-4 | |
| Methylene Chloride | ND | ug/L | 1.0 | 0.97 | 1 | | 10/14/11 02:26 | 75-09-2 | |



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# ANALYTICAL RESULTS

Project: LEE COUNTY
Pace Project No.: 92104123

**Sample: 5301-MW5** **Lab ID: 92104123001** Collected: 10/10/11 15:35 Received: 10/11/11 16:55 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260 MSV Low Level Landfill** | Analytical Method: EPA 8260 | | | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 100 | 0.33 | 1 | | 10/14/11 02:26 | 108-10-1 | |
| Styrene | ND | ug/L | 1.0 | 0.26 | 1 | | 10/14/11 02:26 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 5.0 | 0.33 | 1 | | 10/14/11 02:26 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 3.0 | 0.40 | 1 | | 10/14/11 02:26 | 79-34-5 | |
| Tetrachloroethene | ND | ug/L | 1.0 | 0.46 | 1 | | 10/14/11 02:26 | 127-18-4 | |
| Toluene | ND | ug/L | 1.0 | 0.26 | 1 | | 10/14/11 02:26 | 108-88-3 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 0.48 | 1 | | 10/14/11 02:26 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 0.29 | 1 | | 10/14/11 02:26 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 0.47 | 1 | | 10/14/11 02:26 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 0.20 | 1 | | 10/14/11 02:26 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 0.41 | 1 | | 10/14/11 02:26 | 96-18-4 | |
| Vinyl acetate | ND | ug/L | 50.0 | 0.35 | 1 | | 10/14/11 02:26 | 108-05-4 | |
| Vinyl chloride | ND | ug/L | 1.0 | 0.62 | 1 | | 10/14/11 02:26 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 2.0 | 0.66 | 1 | | 10/14/11 02:26 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 0.66 | 1 | | 10/14/11 02:26 | 179601-23-1 | |
| o-Xylene | ND | ug/L | 1.0 | 0.23 | 1 | | 10/14/11 02:26 | 95-47-6 | |
| 4-Bromofluorobenzene (S) | 102 | % | 70-130 | | 1 | | 10/14/11 02:26 | 460-00-4 | |
| Dibromofluoromethane (S) | 112 | % | 70-130 | | 1 | | 10/14/11 02:26 | 1868-53-7 | |
| 1,2-Dichloroethane-d4 (S) | 92 | % | 70-130 | | 1 | | 10/14/11 02:26 | 17060-07-0 | |
| Toluene-d8 (S) | 97 | % | 70-130 | | 1 | | 10/14/11 02:26 | 2037-26-5 | |



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# ANALYTICAL RESULTS

Project: LEE COUNTY
Pace Project No.: 92104123

**Sample: 5301-MW6** **Lab ID: 92104123002** Collected: 10/10/11 13:45 Received: 10/11/11 16:55 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **6010 ICP Groundwater** | Analytical Method: EPA 6010 Preparation Method: EPA 3010 | | | | | | | | |
| Arsenic | ND | ug/L | 10.0 | 5.0 | 1 | 10/17/11 16:45 | 10/19/11 02:04 | 7440-38-2 | |
| Barium | **53.4J** | ug/L | 100 | 5.0 | 1 | 10/17/11 16:45 | 10/19/11 02:04 | 7440-39-3 | |
| Cadmium | ND | ug/L | 1.0 | 1.0 | 1 | 10/17/11 16:45 | 10/19/11 02:04 | 7440-43-9 | |
| Chromium | ND | ug/L | 10.0 | 5.0 | 1 | 10/17/11 16:45 | 10/19/11 02:04 | 7440-47-3 | |
| Lead | ND | ug/L | 10.0 | 5.0 | 1 | 10/17/11 16:45 | 10/19/11 02:04 | 7439-92-1 | |
| Selenium | ND | ug/L | 10.0 | 10.0 | 1 | 10/17/11 16:45 | 10/19/11 02:04 | 7782-49-2 | |
| Silver | ND | ug/L | 10.0 | 5.0 | 1 | 10/17/11 16:45 | 10/19/11 02:04 | 7440-22-4 | |
| **7470 Mercury** | Analytical Method: EPA 7470 Preparation Method: EPA 7470 | | | | | | | | |
| Mercury | ND | ug/L | 0.20 | 0.10 | 1 | 10/23/11 12:35 | 10/24/11 12:13 | 7439-97-6 | |
| **8260 MSV Low Level Landfill** | Analytical Method: EPA 8260 | | | | | | | | |
| Acetone | ND | ug/L | 100 | 2.2 | 1 | | 10/14/11 02:50 | 67-64-1 | |
| Acrylonitrile | ND | ug/L | 200 | 1.9 | 1 | | 10/14/11 02:50 | 107-13-1 | |
| Benzene | ND | ug/L | 1.0 | 0.25 | 1 | | 10/14/11 02:50 | 71-43-2 | |
| Bromochloromethane | ND | ug/L | 3.0 | 0.17 | 1 | | 10/14/11 02:50 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 1.0 | 0.18 | 1 | | 10/14/11 02:50 | 75-27-4 | |
| Bromoform | ND | ug/L | 3.0 | 0.26 | 1 | | 10/14/11 02:50 | 75-25-2 | |
| Bromomethane | ND | ug/L | 10.0 | 0.29 | 1 | | 10/14/11 02:50 | 74-83-9 | |
| 2-Butanone (MEK) | ND | ug/L | 100 | 0.96 | 1 | | 10/14/11 02:50 | 78-93-3 | |
| Carbon disulfide | ND | ug/L | 100 | 1.2 | 1 | | 10/14/11 02:50 | 75-15-0 | |
| Carbon tetrachloride | ND | ug/L | 1.0 | 0.25 | 1 | | 10/14/11 02:50 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 3.0 | 0.23 | 1 | | 10/14/11 02:50 | 108-90-7 | |
| Chloroethane | ND | ug/L | 10.0 | 0.54 | 1 | | 10/14/11 02:50 | 75-00-3 | |
| Chloroform | ND | ug/L | 5.0 | 0.14 | 1 | | 10/14/11 02:50 | 67-66-3 | |
| Chloromethane | ND | ug/L | 1.0 | 0.11 | 1 | | 10/14/11 02:50 | 74-87-3 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 13.0 | 2.5 | 1 | | 10/14/11 02:50 | 96-12-8 | |
| Dibromochloromethane | ND | ug/L | 3.0 | 0.21 | 1 | | 10/14/11 02:50 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 1.0 | 0.27 | 1 | | 10/14/11 02:50 | 106-93-4 | |
| Dibromomethane | ND | ug/L | 10.0 | 0.21 | 1 | | 10/14/11 02:50 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/L | 5.0 | 0.30 | 1 | | 10/14/11 02:50 | 95-50-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 1.0 | 0.33 | 1 | | 10/14/11 02:50 | 106-46-7 | |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 100 | 1.0 | 1 | | 10/14/11 02:50 | 110-57-6 | |
| 1,1-Dichloroethane | ND | ug/L | 5.0 | 0.32 | 1 | | 10/14/11 02:50 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 1.0 | 0.12 | 1 | | 10/14/11 02:50 | 107-06-2 | |
| 1,2-Dichloroethene (Total) | ND | ug/L | 5.0 | 0.49 | 1 | | 10/14/11 02:50 | 540-59-0 | |
| 1,1-Dichloroethene | ND | ug/L | 5.0 | 0.56 | 1 | | 10/14/11 02:50 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 5.0 | 0.19 | 1 | | 10/14/11 02:50 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 5.0 | 0.49 | 1 | | 10/14/11 02:50 | 156-60-5 | |
| 1,2-Dichloropropane | ND | ug/L | 1.0 | 0.27 | 1 | | 10/14/11 02:50 | 78-87-5 | |
| cis-1,3-Dichloropropene | ND | ug/L | 1.0 | 0.13 | 1 | | 10/14/11 02:50 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 1.0 | 0.26 | 1 | | 10/14/11 02:50 | 10061-02-6 | |
| Ethylbenzene | ND | ug/L | 1.0 | 0.30 | 1 | | 10/14/11 02:50 | 100-41-4 | |
| 2-Hexanone | ND | ug/L | 50.0 | 0.46 | 1 | | 10/14/11 02:50 | 591-78-6 | |
| Iodomethane | ND | ug/L | 10.0 | 0.32 | 1 | | 10/14/11 02:50 | 74-88-4 | |
| Methylene Chloride | ND | ug/L | 1.0 | 0.97 | 1 | | 10/14/11 02:50 | 75-09-2 | |



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# ANALYTICAL RESULTS

Project: LEE COUNTY
Pace Project No.: 92104123

**Sample: 5301-MW6** **Lab ID: 92104123002** Collected: 10/10/11 13:45 Received: 10/11/11 16:55 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260 MSV Low Level Landfill** | Analytical Method: EPA 8260 | | | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 100 | 0.33 | 1 | | 10/14/11 02:50 | 108-10-1 | |
| Styrene | ND | ug/L | 1.0 | 0.26 | 1 | | 10/14/11 02:50 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 5.0 | 0.33 | 1 | | 10/14/11 02:50 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 3.0 | 0.40 | 1 | | 10/14/11 02:50 | 79-34-5 | |
| Tetrachloroethene | ND | ug/L | 1.0 | 0.46 | 1 | | 10/14/11 02:50 | 127-18-4 | |
| Toluene | ND | ug/L | 1.0 | 0.26 | 1 | | 10/14/11 02:50 | 108-88-3 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 0.48 | 1 | | 10/14/11 02:50 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 0.29 | 1 | | 10/14/11 02:50 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 0.47 | 1 | | 10/14/11 02:50 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 0.20 | 1 | | 10/14/11 02:50 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 0.41 | 1 | | 10/14/11 02:50 | 96-18-4 | |
| Vinyl acetate | ND | ug/L | 50.0 | 0.35 | 1 | | 10/14/11 02:50 | 108-05-4 | |
| Vinyl chloride | ND | ug/L | 1.0 | 0.62 | 1 | | 10/14/11 02:50 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 2.0 | 0.66 | 1 | | 10/14/11 02:50 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 0.66 | 1 | | 10/14/11 02:50 | 179601-23-1 | |
| o-Xylene | ND | ug/L | 1.0 | 0.23 | 1 | | 10/14/11 02:50 | 95-47-6 | |
| 4-Bromofluorobenzene (S) | 103 | % | 70-130 | | 1 | | 10/14/11 02:50 | 460-00-4 | |
| Dibromofluoromethane (S) | 115 | % | 70-130 | | 1 | | 10/14/11 02:50 | 1868-53-7 | |
| 1,2-Dichloroethane-d4 (S) | 93 | % | 70-130 | | 1 | | 10/14/11 02:50 | 17060-07-0 | |
| Toluene-d8 (S) | 96 | % | 70-130 | | 1 | | 10/14/11 02:50 | 2037-26-5 | |



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# ANALYTICAL RESULTS

Project: LEE COUNTY
Pace Project No.: 92104123

**Sample: 5301-MW9** **Lab ID: 92104123003** Collected: 10/10/11 14:30 Received: 10/11/11 16:55 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **6010 ICP Groundwater** | Analytical Method: EPA 6010 | | Preparation Method: EPA 3010 | | | | | | |
| Arsenic | ND | ug/L | 10.0 | 5.0 | 1 | 10/17/11 16:45 | 10/19/11 02:07 | 7440-38-2 | |
| Barium | **103** | ug/L | 100 | 5.0 | 1 | 10/17/11 16:45 | 10/19/11 02:07 | 7440-39-3 | |
| Cadmium | ND | ug/L | 1.0 | 1.0 | 1 | 10/17/11 16:45 | 10/19/11 02:07 | 7440-43-9 | |
| Chromium | ND | ug/L | 10.0 | 5.0 | 1 | 10/17/11 16:45 | 10/19/11 02:07 | 7440-47-3 | |
| Lead | ND | ug/L | 10.0 | 5.0 | 1 | 10/17/11 16:45 | 10/19/11 02:07 | 7439-92-1 | |
| Selenium | ND | ug/L | 10.0 | 10.0 | 1 | 10/17/11 16:45 | 10/19/11 02:07 | 7782-49-2 | |
| Silver | ND | ug/L | 10.0 | 5.0 | 1 | 10/17/11 16:45 | 10/19/11 02:07 | 7440-22-4 | |
| **7470 Mercury** | Analytical Method: EPA 7470 | | Preparation Method: EPA 7470 | | | | | | |
| Mercury | ND | ug/L | 0.20 | 0.10 | 1 | 10/23/11 12:35 | 10/24/11 12:16 | 7439-97-6 | |
| **8260 MSV Low Level Landfill** | Analytical Method: EPA 8260 | | | | | | | | |
| Acetone | ND | ug/L | 100 | 2.2 | 1 | | 10/14/11 03:14 | 67-64-1 | |
| Acrylonitrile | ND | ug/L | 200 | 1.9 | 1 | | 10/14/11 03:14 | 107-13-1 | |
| Benzene | ND | ug/L | 1.0 | 0.25 | 1 | | 10/14/11 03:14 | 71-43-2 | |
| Bromochloromethane | ND | ug/L | 3.0 | 0.17 | 1 | | 10/14/11 03:14 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 1.0 | 0.18 | 1 | | 10/14/11 03:14 | 75-27-4 | |
| Bromoform | ND | ug/L | 3.0 | 0.26 | 1 | | 10/14/11 03:14 | 75-25-2 | |
| Bromomethane | ND | ug/L | 10.0 | 0.29 | 1 | | 10/14/11 03:14 | 74-83-9 | |
| 2-Butanone (MEK) | ND | ug/L | 100 | 0.96 | 1 | | 10/14/11 03:14 | 78-93-3 | |
| Carbon disulfide | ND | ug/L | 100 | 1.2 | 1 | | 10/14/11 03:14 | 75-15-0 | |
| Carbon tetrachloride | ND | ug/L | 1.0 | 0.25 | 1 | | 10/14/11 03:14 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 3.0 | 0.23 | 1 | | 10/14/11 03:14 | 108-90-7 | |
| Chloroethane | ND | ug/L | 10.0 | 0.54 | 1 | | 10/14/11 03:14 | 75-00-3 | |
| Chloroform | ND | ug/L | 5.0 | 0.14 | 1 | | 10/14/11 03:14 | 67-66-3 | |
| Chloromethane | ND | ug/L | 1.0 | 0.11 | 1 | | 10/14/11 03:14 | 74-87-3 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 13.0 | 2.5 | 1 | | 10/14/11 03:14 | 96-12-8 | |
| Dibromochloromethane | ND | ug/L | 3.0 | 0.21 | 1 | | 10/14/11 03:14 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 1.0 | 0.27 | 1 | | 10/14/11 03:14 | 106-93-4 | |
| Dibromomethane | ND | ug/L | 10.0 | 0.21 | 1 | | 10/14/11 03:14 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/L | 5.0 | 0.30 | 1 | | 10/14/11 03:14 | 95-50-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 1.0 | 0.33 | 1 | | 10/14/11 03:14 | 106-46-7 | |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 100 | 1.0 | 1 | | 10/14/11 03:14 | 110-57-6 | |
| 1,1-Dichloroethane | ND | ug/L | 5.0 | 0.32 | 1 | | 10/14/11 03:14 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 1.0 | 0.12 | 1 | | 10/14/11 03:14 | 107-06-2 | |
| 1,2-Dichloroethene (Total) | ND | ug/L | 5.0 | 0.49 | 1 | | 10/14/11 03:14 | 540-59-0 | |
| 1,1-Dichloroethene | ND | ug/L | 5.0 | 0.56 | 1 | | 10/14/11 03:14 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 5.0 | 0.19 | 1 | | 10/14/11 03:14 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 5.0 | 0.49 | 1 | | 10/14/11 03:14 | 156-60-5 | |
| 1,2-Dichloropropane | ND | ug/L | 1.0 | 0.27 | 1 | | 10/14/11 03:14 | 78-87-5 | |
| cis-1,3-Dichloropropene | ND | ug/L | 1.0 | 0.13 | 1 | | 10/14/11 03:14 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 1.0 | 0.26 | 1 | | 10/14/11 03:14 | 10061-02-6 | |
| Ethylbenzene | ND | ug/L | 1.0 | 0.30 | 1 | | 10/14/11 03:14 | 100-41-4 | |
| 2-Hexanone | ND | ug/L | 50.0 | 0.46 | 1 | | 10/14/11 03:14 | 591-78-6 | |
| Iodomethane | ND | ug/L | 10.0 | 0.32 | 1 | | 10/14/11 03:14 | 74-88-4 | |
| Methylene Chloride | ND | ug/L | 1.0 | 0.97 | 1 | | 10/14/11 03:14 | 75-09-2 | |



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# ANALYTICAL RESULTS

Project: LEE COUNTY
Pace Project No.: 92104123

**Sample: 5301-MW9** **Lab ID: 92104123003** Collected: 10/10/11 14:30 Received: 10/11/11 16:55 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260 MSV Low Level Landfill** | Analytical Method: EPA 8260 | | | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 100 | 0.33 | 1 | | 10/14/11 03:14 | 108-10-1 | |
| Styrene | ND | ug/L | 1.0 | 0.26 | 1 | | 10/14/11 03:14 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 5.0 | 0.33 | 1 | | 10/14/11 03:14 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 3.0 | 0.40 | 1 | | 10/14/11 03:14 | 79-34-5 | |
| Tetrachloroethene | ND | ug/L | 1.0 | 0.46 | 1 | | 10/14/11 03:14 | 127-18-4 | |
| Toluene | ND | ug/L | 1.0 | 0.26 | 1 | | 10/14/11 03:14 | 108-88-3 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 0.48 | 1 | | 10/14/11 03:14 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 0.29 | 1 | | 10/14/11 03:14 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 0.47 | 1 | | 10/14/11 03:14 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 0.20 | 1 | | 10/14/11 03:14 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 0.41 | 1 | | 10/14/11 03:14 | 96-18-4 | |
| Vinyl acetate | ND | ug/L | 50.0 | 0.35 | 1 | | 10/14/11 03:14 | 108-05-4 | |
| Vinyl chloride | ND | ug/L | 1.0 | 0.62 | 1 | | 10/14/11 03:14 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 2.0 | 0.66 | 1 | | 10/14/11 03:14 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 0.66 | 1 | | 10/14/11 03:14 | 179601-23-1 | |
| o-Xylene | ND | ug/L | 1.0 | 0.23 | 1 | | 10/14/11 03:14 | 95-47-6 | |
| 4-Bromofluorobenzene (S) | 102 | % | 70-130 | | 1 | | 10/14/11 03:14 | 460-00-4 | |
| Dibromofluoromethane (S) | 114 | % | 70-130 | | 1 | | 10/14/11 03:14 | 1868-53-7 | |
| 1,2-Dichloroethane-d4 (S) | 93 | % | 70-130 | | 1 | | 10/14/11 03:14 | 17060-07-0 | |
| Toluene-d8 (S) | 95 | % | 70-130 | | 1 | | 10/14/11 03:14 | 2037-26-5 | |



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# ANALYTICAL RESULTS

Project: LEE COUNTY
Pace Project No.: 92104123

**Sample: 5301-MW10** **Lab ID: 92104123004** Collected: 10/10/11 14:20 Received: 10/11/11 16:55 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **6010 ICP Groundwater** | Analytical Method: EPA 6010 | | Preparation Method: EPA 3010 | | | | | | |
| Arsenic | ND | ug/L | 10.0 | 5.0 | 1 | 10/17/11 16:45 | 10/19/11 02:28 | 7440-38-2 | |
| Barium | **93.9J** | ug/L | 100 | 5.0 | 1 | 10/17/11 16:45 | 10/19/11 02:28 | 7440-39-3 | |
| Cadmium | ND | ug/L | 1.0 | 1.0 | 1 | 10/17/11 16:45 | 10/19/11 02:28 | 7440-43-9 | |
| Chromium | ND | ug/L | 10.0 | 5.0 | 1 | 10/17/11 16:45 | 10/19/11 02:28 | 7440-47-3 | |
| Lead | ND | ug/L | 10.0 | 5.0 | 1 | 10/17/11 16:45 | 10/19/11 02:28 | 7439-92-1 | |
| Selenium | ND | ug/L | 10.0 | 10.0 | 1 | 10/17/11 16:45 | 10/19/11 02:28 | 7782-49-2 | |
| Silver | ND | ug/L | 10.0 | 5.0 | 1 | 10/17/11 16:45 | 10/19/11 02:28 | 7440-22-4 | |
| **7470 Mercury** | Analytical Method: EPA 7470 | | Preparation Method: EPA 7470 | | | | | | |
| Mercury | ND | ug/L | 0.20 | 0.10 | 1 | 10/23/11 12:35 | 10/24/11 12:24 | 7439-97-6 | |
| **8260 MSV Low Level Landfill** | Analytical Method: EPA 8260 | | | | | | | | |
| Acetone | ND | ug/L | 100 | 2.2 | 1 | | 10/14/11 03:39 | 67-64-1 | |
| Acrylonitrile | ND | ug/L | 200 | 1.9 | 1 | | 10/14/11 03:39 | 107-13-1 | |
| Benzene | ND | ug/L | 1.0 | 0.25 | 1 | | 10/14/11 03:39 | 71-43-2 | |
| Bromochloromethane | ND | ug/L | 3.0 | 0.17 | 1 | | 10/14/11 03:39 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 1.0 | 0.18 | 1 | | 10/14/11 03:39 | 75-27-4 | |
| Bromoform | ND | ug/L | 3.0 | 0.26 | 1 | | 10/14/11 03:39 | 75-25-2 | |
| Bromomethane | ND | ug/L | 10.0 | 0.29 | 1 | | 10/14/11 03:39 | 74-83-9 | |
| 2-Butanone (MEK) | ND | ug/L | 100 | 0.96 | 1 | | 10/14/11 03:39 | 78-93-3 | |
| Carbon disulfide | ND | ug/L | 100 | 1.2 | 1 | | 10/14/11 03:39 | 75-15-0 | |
| Carbon tetrachloride | ND | ug/L | 1.0 | 0.25 | 1 | | 10/14/11 03:39 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 3.0 | 0.23 | 1 | | 10/14/11 03:39 | 108-90-7 | |
| Chloroethane | ND | ug/L | 10.0 | 0.54 | 1 | | 10/14/11 03:39 | 75-00-3 | |
| Chloroform | ND | ug/L | 5.0 | 0.14 | 1 | | 10/14/11 03:39 | 67-66-3 | |
| Chloromethane | ND | ug/L | 1.0 | 0.11 | 1 | | 10/14/11 03:39 | 74-87-3 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 13.0 | 2.5 | 1 | | 10/14/11 03:39 | 96-12-8 | |
| Dibromochloromethane | ND | ug/L | 3.0 | 0.21 | 1 | | 10/14/11 03:39 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 1.0 | 0.27 | 1 | | 10/14/11 03:39 | 106-93-4 | |
| Dibromomethane | ND | ug/L | 10.0 | 0.21 | 1 | | 10/14/11 03:39 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/L | 5.0 | 0.30 | 1 | | 10/14/11 03:39 | 95-50-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 1.0 | 0.33 | 1 | | 10/14/11 03:39 | 106-46-7 | |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 100 | 1.0 | 1 | | 10/14/11 03:39 | 110-57-6 | |
| 1,1-Dichloroethane | ND | ug/L | 5.0 | 0.32 | 1 | | 10/14/11 03:39 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 1.0 | 0.12 | 1 | | 10/14/11 03:39 | 107-06-2 | |
| 1,2-Dichloroethene (Total) | ND | ug/L | 5.0 | 0.49 | 1 | | 10/14/11 03:39 | 540-59-0 | |
| 1,1-Dichloroethene | ND | ug/L | 5.0 | 0.56 | 1 | | 10/14/11 03:39 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 5.0 | 0.19 | 1 | | 10/14/11 03:39 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 5.0 | 0.49 | 1 | | 10/14/11 03:39 | 156-60-5 | |
| 1,2-Dichloropropane | ND | ug/L | 1.0 | 0.27 | 1 | | 10/14/11 03:39 | 78-87-5 | |
| cis-1,3-Dichloropropene | ND | ug/L | 1.0 | 0.13 | 1 | | 10/14/11 03:39 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 1.0 | 0.26 | 1 | | 10/14/11 03:39 | 10061-02-6 | |
| Ethylbenzene | ND | ug/L | 1.0 | 0.30 | 1 | | 10/14/11 03:39 | 100-41-4 | |
| 2-Hexanone | ND | ug/L | 50.0 | 0.46 | 1 | | 10/14/11 03:39 | 591-78-6 | |
| Iodomethane | ND | ug/L | 10.0 | 0.32 | 1 | | 10/14/11 03:39 | 74-88-4 | |
| Methylene Chloride | ND | ug/L | 1.0 | 0.97 | 1 | | 10/14/11 03:39 | 75-09-2 | |



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# ANALYTICAL RESULTS

Project: LEE COUNTY
Pace Project No.: 92104123

**Sample: 5301-MW10** **Lab ID: 92104123004** Collected: 10/10/11 14:20 Received: 10/11/11 16:55 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260 MSV Low Level Landfill** | Analytical Method: EPA 8260 | | | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 100 | 0.33 | 1 | | 10/14/11 03:39 | 108-10-1 | |
| Styrene | ND | ug/L | 1.0 | 0.26 | 1 | | 10/14/11 03:39 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 5.0 | 0.33 | 1 | | 10/14/11 03:39 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 3.0 | 0.40 | 1 | | 10/14/11 03:39 | 79-34-5 | |
| Tetrachloroethene | ND | ug/L | 1.0 | 0.46 | 1 | | 10/14/11 03:39 | 127-18-4 | |
| Toluene | ND | ug/L | 1.0 | 0.26 | 1 | | 10/14/11 03:39 | 108-88-3 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 0.48 | 1 | | 10/14/11 03:39 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 0.29 | 1 | | 10/14/11 03:39 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 0.47 | 1 | | 10/14/11 03:39 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 0.20 | 1 | | 10/14/11 03:39 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 0.41 | 1 | | 10/14/11 03:39 | 96-18-4 | |
| Vinyl acetate | ND | ug/L | 50.0 | 0.35 | 1 | | 10/14/11 03:39 | 108-05-4 | |
| Vinyl chloride | ND | ug/L | 1.0 | 0.62 | 1 | | 10/14/11 03:39 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 2.0 | 0.66 | 1 | | 10/14/11 03:39 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 0.66 | 1 | | 10/14/11 03:39 | 179601-23-1 | |
| o-Xylene | ND | ug/L | 1.0 | 0.23 | 1 | | 10/14/11 03:39 | 95-47-6 | |
| 4-Bromofluorobenzene (S) | 103 | % | 70-130 | | 1 | | 10/14/11 03:39 | 460-00-4 | |
| Dibromofluoromethane (S) | 114 | % | 70-130 | | 1 | | 10/14/11 03:39 | 1868-53-7 | |
| 1,2-Dichloroethane-d4 (S) | 92 | % | 70-130 | | 1 | | 10/14/11 03:39 | 17060-07-0 | |
| Toluene-d8 (S) | 94 | % | 70-130 | | 1 | | 10/14/11 03:39 | 2037-26-5 | |



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# ANALYTICAL RESULTS

Project: LEE COUNTY
Pace Project No.: 92104123

**Sample: 5301-MW12** **Lab ID: 92104123005** Collected: 10/10/11 15:05 Received: 10/11/11 16:55 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **6010 ICP Groundwater** | Analytical Method: EPA 6010 Preparation Method: EPA 3010 | | | | | | | | |
| Arsenic | **6.2J** | ug/L | 10.0 | 5.0 | 1 | 10/17/11 16:45 | 10/19/11 02:32 | 7440-38-2 | |
| Barium | **1370** | ug/L | 100 | 5.0 | 1 | 10/17/11 16:45 | 10/19/11 02:32 | 7440-39-3 | |
| Cadmium | ND | ug/L | 1.0 | 1.0 | 1 | 10/17/11 16:45 | 10/19/11 02:32 | 7440-43-9 | |
| Chromium | ND | ug/L | 10.0 | 5.0 | 1 | 10/17/11 16:45 | 10/19/11 02:32 | 7440-47-3 | |
| Lead | ND | ug/L | 10.0 | 5.0 | 1 | 10/17/11 16:45 | 10/19/11 02:32 | 7439-92-1 | |
| Selenium | ND | ug/L | 10.0 | 10.0 | 1 | 10/17/11 16:45 | 10/19/11 02:32 | 7782-49-2 | |
| Silver | ND | ug/L | 10.0 | 5.0 | 1 | 10/17/11 16:45 | 10/19/11 02:32 | 7440-22-4 | |
| **7470 Mercury** | Analytical Method: EPA 7470 Preparation Method: EPA 7470 | | | | | | | | |
| Mercury | ND | ug/L | 0.20 | 0.10 | 1 | 10/23/11 12:35 | 10/24/11 12:26 | 7439-97-6 | |
| **8260 MSV Low Level Landfill** | Analytical Method: EPA 8260 | | | | | | | | |
| Acetone | **4.4J** | ug/L | 100 | 2.2 | 1 | | 10/18/11 07:58 | 67-64-1 | |
| Acrylonitrile | ND | ug/L | 200 | 1.9 | 1 | | 10/18/11 07:58 | 107-13-1 | |
| Benzene | **3.6** | ug/L | 1.0 | 0.25 | 1 | | 10/18/11 07:58 | 71-43-2 | |
| Bromochloromethane | ND | ug/L | 3.0 | 0.17 | 1 | | 10/18/11 07:58 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 1.0 | 0.18 | 1 | | 10/18/11 07:58 | 75-27-4 | |
| Bromoform | ND | ug/L | 3.0 | 0.26 | 1 | | 10/18/11 07:58 | 75-25-2 | |
| Bromomethane | ND | ug/L | 10.0 | 0.29 | 1 | | 10/18/11 07:58 | 74-83-9 | |
| 2-Butanone (MEK) | ND | ug/L | 100 | 0.96 | 1 | | 10/18/11 07:58 | 78-93-3 | |
| Carbon disulfide | ND | ug/L | 100 | 1.2 | 1 | | 10/18/11 07:58 | 75-15-0 | |
| Carbon tetrachloride | ND | ug/L | 1.0 | 0.25 | 1 | | 10/18/11 07:58 | 56-23-5 | |
| Chlorobenzene | **8.3** | ug/L | 3.0 | 0.23 | 1 | | 10/18/11 07:58 | 108-90-7 | |
| Chloroethane | **103** | ug/L | 10.0 | 0.54 | 1 | | 10/18/11 07:58 | 75-00-3 | |
| Chloroform | ND | ug/L | 5.0 | 0.14 | 1 | | 10/18/11 07:58 | 67-66-3 | |
| Chloromethane | ND | ug/L | 1.0 | 0.11 | 1 | | 10/18/11 07:58 | 74-87-3 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 13.0 | 2.5 | 1 | | 10/18/11 07:58 | 96-12-8 | |
| Dibromochloromethane | ND | ug/L | 3.0 | 0.21 | 1 | | 10/18/11 07:58 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 1.0 | 0.27 | 1 | | 10/18/11 07:58 | 106-93-4 | |
| Dibromomethane | ND | ug/L | 10.0 | 0.21 | 1 | | 10/18/11 07:58 | 74-95-3 | |
| 1,2-Dichlorobenzene | **0.37J** | ug/L | 5.0 | 0.30 | 1 | | 10/18/11 07:58 | 95-50-1 | |
| 1,4-Dichlorobenzene | **3.1** | ug/L | 1.0 | 0.33 | 1 | | 10/18/11 07:58 | 106-46-7 | |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 100 | 1.0 | 1 | | 10/18/11 07:58 | 110-57-6 | |
| 1,1-Dichloroethane | **12.0** | ug/L | 5.0 | 0.32 | 1 | | 10/18/11 07:58 | 75-34-3 | |
| 1,2-Dichloroethane | **0.62J** | ug/L | 1.0 | 0.12 | 1 | | 10/18/11 07:58 | 107-06-2 | |
| 1,2-Dichloroethene (Total) | ND | ug/L | 5.0 | 0.49 | 1 | | 10/18/11 07:58 | 540-59-0 | |
| 1,1-Dichloroethene | ND | ug/L | 5.0 | 0.56 | 1 | | 10/18/11 07:58 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 5.0 | 0.19 | 1 | | 10/18/11 07:58 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 5.0 | 0.49 | 1 | | 10/18/11 07:58 | 156-60-5 | |
| 1,2-Dichloropropane | ND | ug/L | 1.0 | 0.27 | 1 | | 10/18/11 07:58 | 78-87-5 | |
| cis-1,3-Dichloropropene | ND | ug/L | 1.0 | 0.13 | 1 | | 10/18/11 07:58 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 1.0 | 0.26 | 1 | | 10/18/11 07:58 | 10061-02-6 | |
| Ethylbenzene | ND | ug/L | 1.0 | 0.30 | 1 | | 10/18/11 07:58 | 100-41-4 | |
| 2-Hexanone | ND | ug/L | 50.0 | 0.46 | 1 | | 10/18/11 07:58 | 591-78-6 | |
| Iodomethane | ND | ug/L | 10.0 | 0.32 | 1 | | 10/18/11 07:58 | 74-88-4 | |
| Methylene Chloride | ND | ug/L | 1.0 | 0.97 | 1 | | 10/18/11 07:58 | 75-09-2 | |



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# ANALYTICAL RESULTS

Project: LEE COUNTY
Pace Project No.: 92104123

**Sample: 5301-MW12** **Lab ID: 92104123005** Collected: 10/10/11 15:05 Received: 10/11/11 16:55 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260 MSV Low Level Landfill** | Analytical Method: EPA 8260 | | | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 100 | 0.33 | 1 | | 10/18/11 07:58 | 108-10-1 | |
| Styrene | ND | ug/L | 1.0 | 0.26 | 1 | | 10/18/11 07:58 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 5.0 | 0.33 | 1 | | 10/18/11 07:58 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 3.0 | 0.40 | 1 | | 10/18/11 07:58 | 79-34-5 | |
| Tetrachloroethene | ND | ug/L | 1.0 | 0.46 | 1 | | 10/18/11 07:58 | 127-18-4 | |
| Toluene | **0.43J** | ug/L | 1.0 | 0.26 | 1 | | 10/18/11 07:58 | 108-88-3 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 0.48 | 1 | | 10/18/11 07:58 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 0.29 | 1 | | 10/18/11 07:58 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 0.47 | 1 | | 10/18/11 07:58 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 0.20 | 1 | | 10/18/11 07:58 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 0.41 | 1 | | 10/18/11 07:58 | 96-18-4 | |
| Vinyl acetate | ND | ug/L | 50.0 | 0.35 | 1 | | 10/18/11 07:58 | 108-05-4 | |
| Vinyl chloride | ND | ug/L | 1.0 | 0.62 | 1 | | 10/18/11 07:58 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 2.0 | 0.66 | 1 | | 10/18/11 07:58 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 0.66 | 1 | | 10/18/11 07:58 | 179601-23-1 | |
| o-Xylene | ND | ug/L | 1.0 | 0.23 | 1 | | 10/18/11 07:58 | 95-47-6 | |
| 4-Bromofluorobenzene (S) | 93 | % | 70-130 | | 1 | | 10/18/11 07:58 | 460-00-4 | |
| Dibromofluoromethane (S) | 111 | % | 70-130 | | 1 | | 10/18/11 07:58 | 1868-53-7 | |
| 1,2-Dichloroethane-d4 (S) | 109 | % | 70-130 | | 1 | | 10/18/11 07:58 | 17060-07-0 | |
| Toluene-d8 (S) | 98 | % | 70-130 | | 1 | | 10/18/11 07:58 | 2037-26-5 | |



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# ANALYTICAL RESULTS

Project: LEE COUNTY
Pace Project No.: 92104123

**Sample: 5301-MW14** **Lab ID: 92104123006** Collected: 10/10/11 14:45 Received: 10/11/11 16:55 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **6010 ICP Groundwater** | Analytical Method: EPA 6010 Preparation Method: EPA 3010 | | | | | | | | |
| Arsenic | ND | ug/L | 10.0 | 5.0 | 1 | 10/17/11 16:45 | 10/19/11 02:37 | 7440-38-2 | |
| Barium | **95.9J** | ug/L | 100 | 5.0 | 1 | 10/17/11 16:45 | 10/19/11 02:37 | 7440-39-3 | |
| Cadmium | ND | ug/L | 1.0 | 1.0 | 1 | 10/17/11 16:45 | 10/19/11 02:37 | 7440-43-9 | |
| Chromium | ND | ug/L | 10.0 | 5.0 | 1 | 10/17/11 16:45 | 10/19/11 02:37 | 7440-47-3 | |
| Lead | ND | ug/L | 10.0 | 5.0 | 1 | 10/17/11 16:45 | 10/19/11 02:37 | 7439-92-1 | |
| Selenium | ND | ug/L | 10.0 | 10.0 | 1 | 10/17/11 16:45 | 10/19/11 02:37 | 7782-49-2 | |
| Silver | ND | ug/L | 10.0 | 5.0 | 1 | 10/17/11 16:45 | 10/19/11 02:37 | 7440-22-4 | |
| **7470 Mercury** | Analytical Method: EPA 7470 Preparation Method: EPA 7470 | | | | | | | | |
| Mercury | ND | ug/L | 0.20 | 0.10 | 1 | 10/23/11 12:35 | 10/24/11 12:29 | 7439-97-6 | |
| **8260 MSV Low Level Landfill** | Analytical Method: EPA 8260 | | | | | | | | |
| Acetone | ND | ug/L | 100 | 2.2 | 1 | | 10/18/11 08:24 | 67-64-1 | |
| Acrylonitrile | ND | ug/L | 200 | 1.9 | 1 | | 10/18/11 08:24 | 107-13-1 | |
| Benzene | ND | ug/L | 1.0 | 0.25 | 1 | | 10/18/11 08:24 | 71-43-2 | |
| Bromochloromethane | ND | ug/L | 3.0 | 0.17 | 1 | | 10/18/11 08:24 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 1.0 | 0.18 | 1 | | 10/18/11 08:24 | 75-27-4 | |
| Bromoform | ND | ug/L | 3.0 | 0.26 | 1 | | 10/18/11 08:24 | 75-25-2 | |
| Bromomethane | ND | ug/L | 10.0 | 0.29 | 1 | | 10/18/11 08:24 | 74-83-9 | |
| 2-Butanone (MEK) | ND | ug/L | 100 | 0.96 | 1 | | 10/18/11 08:24 | 78-93-3 | |
| Carbon disulfide | ND | ug/L | 100 | 1.2 | 1 | | 10/18/11 08:24 | 75-15-0 | |
| Carbon tetrachloride | ND | ug/L | 1.0 | 0.25 | 1 | | 10/18/11 08:24 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 3.0 | 0.23 | 1 | | 10/18/11 08:24 | 108-90-7 | |
| Chloroethane | ND | ug/L | 10.0 | 0.54 | 1 | | 10/18/11 08:24 | 75-00-3 | |
| Chloroform | ND | ug/L | 5.0 | 0.14 | 1 | | 10/18/11 08:24 | 67-66-3 | |
| Chloromethane | ND | ug/L | 1.0 | 0.11 | 1 | | 10/18/11 08:24 | 74-87-3 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 13.0 | 2.5 | 1 | | 10/18/11 08:24 | 96-12-8 | |
| Dibromochloromethane | ND | ug/L | 3.0 | 0.21 | 1 | | 10/18/11 08:24 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 1.0 | 0.27 | 1 | | 10/18/11 08:24 | 106-93-4 | |
| Dibromomethane | ND | ug/L | 10.0 | 0.21 | 1 | | 10/18/11 08:24 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/L | 5.0 | 0.30 | 1 | | 10/18/11 08:24 | 95-50-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 1.0 | 0.33 | 1 | | 10/18/11 08:24 | 106-46-7 | |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 100 | 1.0 | 1 | | 10/18/11 08:24 | 110-57-6 | |
| 1,1-Dichloroethane | ND | ug/L | 5.0 | 0.32 | 1 | | 10/18/11 08:24 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 1.0 | 0.12 | 1 | | 10/18/11 08:24 | 107-06-2 | |
| 1,2-Dichloroethene (Total) | ND | ug/L | 5.0 | 0.49 | 1 | | 10/18/11 08:24 | 540-59-0 | |
| 1,1-Dichloroethene | ND | ug/L | 5.0 | 0.56 | 1 | | 10/18/11 08:24 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 5.0 | 0.19 | 1 | | 10/18/11 08:24 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 5.0 | 0.49 | 1 | | 10/18/11 08:24 | 156-60-5 | |
| 1,2-Dichloropropane | ND | ug/L | 1.0 | 0.27 | 1 | | 10/18/11 08:24 | 78-87-5 | |
| cis-1,3-Dichloropropene | ND | ug/L | 1.0 | 0.13 | 1 | | 10/18/11 08:24 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 1.0 | 0.26 | 1 | | 10/18/11 08:24 | 10061-02-6 | |
| Ethylbenzene | ND | ug/L | 1.0 | 0.30 | 1 | | 10/18/11 08:24 | 100-41-4 | |
| 2-Hexanone | ND | ug/L | 50.0 | 0.46 | 1 | | 10/18/11 08:24 | 591-78-6 | |
| Iodomethane | ND | ug/L | 10.0 | 0.32 | 1 | | 10/18/11 08:24 | 74-88-4 | |
| Methylene Chloride | ND | ug/L | 1.0 | 0.97 | 1 | | 10/18/11 08:24 | 75-09-2 | |



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# ANALYTICAL RESULTS

Project: LEE COUNTY
Pace Project No.: 92104123

**Sample: 5301-MW14** **Lab ID: 92104123006** Collected: 10/10/11 14:45 Received: 10/11/11 16:55 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260 MSV Low Level Landfill** | Analytical Method: EPA 8260 | | | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 100 | 0.33 | 1 | | 10/18/11 08:24 | 108-10-1 | |
| Styrene | ND | ug/L | 1.0 | 0.26 | 1 | | 10/18/11 08:24 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 5.0 | 0.33 | 1 | | 10/18/11 08:24 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 3.0 | 0.40 | 1 | | 10/18/11 08:24 | 79-34-5 | |
| Tetrachloroethene | ND | ug/L | 1.0 | 0.46 | 1 | | 10/18/11 08:24 | 127-18-4 | |
| Toluene | ND | ug/L | 1.0 | 0.26 | 1 | | 10/18/11 08:24 | 108-88-3 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 0.48 | 1 | | 10/18/11 08:24 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 0.29 | 1 | | 10/18/11 08:24 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 0.47 | 1 | | 10/18/11 08:24 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 0.20 | 1 | | 10/18/11 08:24 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 0.41 | 1 | | 10/18/11 08:24 | 96-18-4 | |
| Vinyl acetate | ND | ug/L | 50.0 | 0.35 | 1 | | 10/18/11 08:24 | 108-05-4 | |
| Vinyl chloride | ND | ug/L | 1.0 | 0.62 | 1 | | 10/18/11 08:24 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 2.0 | 0.66 | 1 | | 10/18/11 08:24 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 0.66 | 1 | | 10/18/11 08:24 | 179601-23-1 | |
| o-Xylene | ND | ug/L | 1.0 | 0.23 | 1 | | 10/18/11 08:24 | 95-47-6 | |
| 4-Bromofluorobenzene (S) | 95 | % | 70-130 | | 1 | | 10/18/11 08:24 | 460-00-4 | |
| Dibromofluoromethane (S) | 113 | % | 70-130 | | 1 | | 10/18/11 08:24 | 1868-53-7 | |
| 1,2-Dichloroethane-d4 (S) | 110 | % | 70-130 | | 1 | | 10/18/11 08:24 | 17060-07-0 | |
| Toluene-d8 (S) | 98 | % | 70-130 | | 1 | | 10/18/11 08:24 | 2037-26-5 | |



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# ANALYTICAL RESULTS

Project: LEE COUNTY
Pace Project No.: 92104123

**Sample: 5301-FIELD BLANK** **Lab ID: 92104123007** Collected: 10/10/11 15:50 Received: 10/11/11 16:55 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **6010 ICP Groundwater** | Analytical Method: EPA 6010 Preparation Method: EPA 3010 | | | | | | | | |
| Arsenic | ND | ug/L | 10.0 | 5.0 | 1 | 10/18/11 14:20 | 10/19/11 19:39 | 7440-38-2 | |
| Barium | ND | ug/L | 100 | 5.0 | 1 | 10/18/11 14:20 | 10/19/11 19:39 | 7440-39-3 | |
| Cadmium | ND | ug/L | 1.0 | 1.0 | 1 | 10/18/11 14:20 | 10/19/11 19:39 | 7440-43-9 | |
| Chromium | ND | ug/L | 10.0 | 5.0 | 1 | 10/18/11 14:20 | 10/19/11 19:39 | 7440-47-3 | |
| Lead | ND | ug/L | 10.0 | 5.0 | 1 | 10/18/11 14:20 | 10/19/11 19:39 | 7439-92-1 | |
| Selenium | ND | ug/L | 10.0 | 10.0 | 1 | 10/18/11 14:20 | 10/19/11 19:39 | 7782-49-2 | |
| Silver | ND | ug/L | 10.0 | 5.0 | 1 | 10/18/11 14:20 | 10/19/11 19:39 | 7440-22-4 | |
| **7470 Mercury** | Analytical Method: EPA 7470 Preparation Method: EPA 7470 | | | | | | | | |
| Mercury | ND | ug/L | 0.20 | 0.10 | 1 | 10/23/11 12:35 | 10/24/11 12:32 | 7439-97-6 | |
| **8260 MSV Low Level Landfill** | Analytical Method: EPA 8260 | | | | | | | | |
| Acetone | **2.3J** | ug/L | 100 | 2.2 | 1 | | 10/18/11 08:49 | 67-64-1 | |
| Acrylonitrile | ND | ug/L | 200 | 1.9 | 1 | | 10/18/11 08:49 | 107-13-1 | |
| Benzene | ND | ug/L | 1.0 | 0.25 | 1 | | 10/18/11 08:49 | 71-43-2 | |
| Bromochloromethane | ND | ug/L | 3.0 | 0.17 | 1 | | 10/18/11 08:49 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 1.0 | 0.18 | 1 | | 10/18/11 08:49 | 75-27-4 | |
| Bromoform | ND | ug/L | 3.0 | 0.26 | 1 | | 10/18/11 08:49 | 75-25-2 | |
| Bromomethane | ND | ug/L | 10.0 | 0.29 | 1 | | 10/18/11 08:49 | 74-83-9 | |
| 2-Butanone (MEK) | ND | ug/L | 100 | 0.96 | 1 | | 10/18/11 08:49 | 78-93-3 | |
| Carbon disulfide | ND | ug/L | 100 | 1.2 | 1 | | 10/18/11 08:49 | 75-15-0 | |
| Carbon tetrachloride | ND | ug/L | 1.0 | 0.25 | 1 | | 10/18/11 08:49 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 3.0 | 0.23 | 1 | | 10/18/11 08:49 | 108-90-7 | |
| Chloroethane | ND | ug/L | 10.0 | 0.54 | 1 | | 10/18/11 08:49 | 75-00-3 | |
| Chloroform | **0.43J** | ug/L | 5.0 | 0.14 | 1 | | 10/18/11 08:49 | 67-66-3 | |
| Chloromethane | **0.14J** | ug/L | 1.0 | 0.11 | 1 | | 10/18/11 08:49 | 74-87-3 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 13.0 | 2.5 | 1 | | 10/18/11 08:49 | 96-12-8 | |
| Dibromochloromethane | ND | ug/L | 3.0 | 0.21 | 1 | | 10/18/11 08:49 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 1.0 | 0.27 | 1 | | 10/18/11 08:49 | 106-93-4 | |
| Dibromomethane | ND | ug/L | 10.0 | 0.21 | 1 | | 10/18/11 08:49 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/L | 5.0 | 0.30 | 1 | | 10/18/11 08:49 | 95-50-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 1.0 | 0.33 | 1 | | 10/18/11 08:49 | 106-46-7 | |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 100 | 1.0 | 1 | | 10/18/11 08:49 | 110-57-6 | |
| 1,1-Dichloroethane | ND | ug/L | 5.0 | 0.32 | 1 | | 10/18/11 08:49 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 1.0 | 0.12 | 1 | | 10/18/11 08:49 | 107-06-2 | |
| 1,2-Dichloroethene (Total) | ND | ug/L | 5.0 | 0.49 | 1 | | 10/18/11 08:49 | 540-59-0 | |
| 1,1-Dichloroethene | ND | ug/L | 5.0 | 0.56 | 1 | | 10/18/11 08:49 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 5.0 | 0.19 | 1 | | 10/18/11 08:49 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 5.0 | 0.49 | 1 | | 10/18/11 08:49 | 156-60-5 | |
| 1,2-Dichloropropane | ND | ug/L | 1.0 | 0.27 | 1 | | 10/18/11 08:49 | 78-87-5 | |
| cis-1,3-Dichloropropene | ND | ug/L | 1.0 | 0.13 | 1 | | 10/18/11 08:49 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 1.0 | 0.26 | 1 | | 10/18/11 08:49 | 10061-02-6 | |
| Ethylbenzene | ND | ug/L | 1.0 | 0.30 | 1 | | 10/18/11 08:49 | 100-41-4 | |
| 2-Hexanone | ND | ug/L | 50.0 | 0.46 | 1 | | 10/18/11 08:49 | 591-78-6 | |
| Iodomethane | ND | ug/L | 10.0 | 0.32 | 1 | | 10/18/11 08:49 | 74-88-4 | |
| Methylene Chloride | ND | ug/L | 1.0 | 0.97 | 1 | | 10/18/11 08:49 | 75-09-2 | |



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# ANALYTICAL RESULTS

Project: LEE COUNTY
Pace Project No.: 92104123

**Sample: 5301-FIELD BLANK** **Lab ID: 92104123007** Collected: 10/10/11 15:50 Received: 10/11/11 16:55 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260 MSV Low Level Landfill** | Analytical Method: EPA 8260 | | | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 100 | 0.33 | 1 | | 10/18/11 08:49 | 108-10-1 | |
| Styrene | ND | ug/L | 1.0 | 0.26 | 1 | | 10/18/11 08:49 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 5.0 | 0.33 | 1 | | 10/18/11 08:49 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 3.0 | 0.40 | 1 | | 10/18/11 08:49 | 79-34-5 | |
| Tetrachloroethene | ND | ug/L | 1.0 | 0.46 | 1 | | 10/18/11 08:49 | 127-18-4 | |
| Toluene | ND | ug/L | 1.0 | 0.26 | 1 | | 10/18/11 08:49 | 108-88-3 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 0.48 | 1 | | 10/18/11 08:49 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 0.29 | 1 | | 10/18/11 08:49 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 0.47 | 1 | | 10/18/11 08:49 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 0.20 | 1 | | 10/18/11 08:49 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 0.41 | 1 | | 10/18/11 08:49 | 96-18-4 | |
| Vinyl acetate | ND | ug/L | 50.0 | 0.35 | 1 | | 10/18/11 08:49 | 108-05-4 | |
| Vinyl chloride | ND | ug/L | 1.0 | 0.62 | 1 | | 10/18/11 08:49 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 2.0 | 0.66 | 1 | | 10/18/11 08:49 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 0.66 | 1 | | 10/18/11 08:49 | 179601-23-1 | |
| o-Xylene | ND | ug/L | 1.0 | 0.23 | 1 | | 10/18/11 08:49 | 95-47-6 | |
| 4-Bromofluorobenzene (S) | 95 | % | 70-130 | | 1 | | 10/18/11 08:49 | 460-00-4 | |
| Dibromofluoromethane (S) | 115 | % | 70-130 | | 1 | | 10/18/11 08:49 | 1868-53-7 | |
| 1,2-Dichloroethane-d4 (S) | 112 | % | 70-130 | | 1 | | 10/18/11 08:49 | 17060-07-0 | |
| Toluene-d8 (S) | 96 | % | 70-130 | | 1 | | 10/18/11 08:49 | 2037-26-5 | |



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# ANALYTICAL RESULTS

Project: LEE COUNTY
Pace Project No.: 92104123

**Sample: 5301-TRIP BLANK** **Lab ID: 92104123008** Collected: 10/07/11 00:00 Received: 10/11/11 16:55 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260 MSV Low Level Landfill** | Analytical Method: EPA 8260 | | | | | | | | |
| Acetone | ND | ug/L | 100 | 2.2 | 1 | | 10/18/11 09:14 | 67-64-1 | |
| Acrylonitrile | ND | ug/L | 200 | 1.9 | 1 | | 10/18/11 09:14 | 107-13-1 | |
| Benzene | ND | ug/L | 1.0 | 0.25 | 1 | | 10/18/11 09:14 | 71-43-2 | |
| Bromochloromethane | ND | ug/L | 3.0 | 0.17 | 1 | | 10/18/11 09:14 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 1.0 | 0.18 | 1 | | 10/18/11 09:14 | 75-27-4 | |
| Bromoform | ND | ug/L | 3.0 | 0.26 | 1 | | 10/18/11 09:14 | 75-25-2 | |
| Bromomethane | ND | ug/L | 10.0 | 0.29 | 1 | | 10/18/11 09:14 | 74-83-9 | |
| 2-Butanone (MEK) | ND | ug/L | 100 | 0.96 | 1 | | 10/18/11 09:14 | 78-93-3 | |
| Carbon disulfide | ND | ug/L | 100 | 1.2 | 1 | | 10/18/11 09:14 | 75-15-0 | |
| Carbon tetrachloride | ND | ug/L | 1.0 | 0.25 | 1 | | 10/18/11 09:14 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 3.0 | 0.23 | 1 | | 10/18/11 09:14 | 108-90-7 | |
| Chloroethane | ND | ug/L | 10.0 | 0.54 | 1 | | 10/18/11 09:14 | 75-00-3 | |
| Chloroform | ND | ug/L | 5.0 | 0.14 | 1 | | 10/18/11 09:14 | 67-66-3 | |
| Chloromethane | ND | ug/L | 1.0 | 0.11 | 1 | | 10/18/11 09:14 | 74-87-3 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 13.0 | 2.5 | 1 | | 10/18/11 09:14 | 96-12-8 | |
| Dibromochloromethane | ND | ug/L | 3.0 | 0.21 | 1 | | 10/18/11 09:14 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 1.0 | 0.27 | 1 | | 10/18/11 09:14 | 106-93-4 | |
| Dibromomethane | ND | ug/L | 10.0 | 0.21 | 1 | | 10/18/11 09:14 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/L | 5.0 | 0.30 | 1 | | 10/18/11 09:14 | 95-50-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 1.0 | 0.33 | 1 | | 10/18/11 09:14 | 106-46-7 | |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 100 | 1.0 | 1 | | 10/18/11 09:14 | 110-57-6 | |
| 1,1-Dichloroethane | ND | ug/L | 5.0 | 0.32 | 1 | | 10/18/11 09:14 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 1.0 | 0.12 | 1 | | 10/18/11 09:14 | 107-06-2 | |
| 1,2-Dichloroethene (Total) | ND | ug/L | 5.0 | 0.49 | 1 | | 10/18/11 09:14 | 540-59-0 | |
| 1,1-Dichloroethene | ND | ug/L | 5.0 | 0.56 | 1 | | 10/18/11 09:14 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 5.0 | 0.19 | 1 | | 10/18/11 09:14 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 5.0 | 0.49 | 1 | | 10/18/11 09:14 | 156-60-5 | |
| 1,2-Dichloropropane | ND | ug/L | 1.0 | 0.27 | 1 | | 10/18/11 09:14 | 78-87-5 | |
| cis-1,3-Dichloropropene | ND | ug/L | 1.0 | 0.13 | 1 | | 10/18/11 09:14 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 1.0 | 0.26 | 1 | | 10/18/11 09:14 | 10061-02-6 | |
| Ethylbenzene | ND | ug/L | 1.0 | 0.30 | 1 | | 10/18/11 09:14 | 100-41-4 | |
| 2-Hexanone | ND | ug/L | 50.0 | 0.46 | 1 | | 10/18/11 09:14 | 591-78-6 | |
| Iodomethane | ND | ug/L | 10.0 | 0.32 | 1 | | 10/18/11 09:14 | 74-88-4 | |
| Methylene Chloride | ND | ug/L | 1.0 | 0.97 | 1 | | 10/18/11 09:14 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 100 | 0.33 | 1 | | 10/18/11 09:14 | 108-10-1 | |
| Styrene | ND | ug/L | 1.0 | 0.26 | 1 | | 10/18/11 09:14 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 5.0 | 0.33 | 1 | | 10/18/11 09:14 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 3.0 | 0.40 | 1 | | 10/18/11 09:14 | 79-34-5 | |
| Tetrachloroethene | ND | ug/L | 1.0 | 0.46 | 1 | | 10/18/11 09:14 | 127-18-4 | |
| Toluene | ND | ug/L | 1.0 | 0.26 | 1 | | 10/18/11 09:14 | 108-88-3 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 0.48 | 1 | | 10/18/11 09:14 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 0.29 | 1 | | 10/18/11 09:14 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 0.47 | 1 | | 10/18/11 09:14 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 0.20 | 1 | | 10/18/11 09:14 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 0.41 | 1 | | 10/18/11 09:14 | 96-18-4 | |
| Vinyl acetate | ND | ug/L | 50.0 | 0.35 | 1 | | 10/18/11 09:14 | 108-05-4 | |



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# ANALYTICAL RESULTS

Project: LEE COUNTY
Pace Project No.: 92104123

**Sample: 5301-TRIP BLANK** **Lab ID: 92104123008** Collected: 10/07/11 00:00 Received: 10/11/11 16:55 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260 MSV Low Level Landfill** | Analytical Method: EPA 8260 | | | | | | | | |
| Vinyl chloride | ND | ug/L | 1.0 | 0.62 | 1 | | 10/18/11 09:14 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 2.0 | 0.66 | 1 | | 10/18/11 09:14 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 0.66 | 1 | | 10/18/11 09:14 | 179601-23-1 | |
| o-Xylene | ND | ug/L | 1.0 | 0.23 | 1 | | 10/18/11 09:14 | 95-47-6 | |
| 4-Bromofluorobenzene (S) | 97 | % | 70-130 | | 1 | | 10/18/11 09:14 | 460-00-4 | |
| Dibromofluoromethane (S) | 113 | % | 70-130 | | 1 | | 10/18/11 09:14 | 1868-53-7 | |
| 1,2-Dichloroethane-d4 (S) | 111 | % | 70-130 | | 1 | | 10/18/11 09:14 | 17060-07-0 | |
| Toluene-d8 (S) | 96 | % | 70-130 | | 1 | | 10/18/11 09:14 | 2037-26-5 | |



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# QUALITY CONTROL DATA

Project: LEE COUNTY
Pace Project No.: 92104123

QC Batch: MPRP/9232 — Analysis Method: EPA 6010
QC Batch Method: EPA 3010 — Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 92104123001, 92104123002, 92104123003, 92104123004, 92104123005, 92104123006

METHOD BLANK: 673807 — Matrix: Water
Associated Lab Samples: 92104123001, 92104123002, 92104123003, 92104123004, 92104123005, 92104123006

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| Arsenic | ug/L | ND | 10.0 | 10/19/11 00:46 | |
| Barium | ug/L | ND | 100 | 10/19/11 00:46 | |
| Cadmium | ug/L | ND | 1.0 | 10/19/11 00:46 | |
| Chromium | ug/L | ND | 10.0 | 10/19/11 00:46 | |
| Lead | ug/L | ND | 10.0 | 10/19/11 00:46 | |
| Selenium | ug/L | ND | 10.0 | 10/19/11 00:46 | |
| Silver | ug/L | ND | 10.0 | 10/19/11 00:46 | |

LABORATORY CONTROL SAMPLE: 673808

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| Arsenic | ug/L | 500 | 483 | 97 | 80-120 | |
| Barium | ug/L | 500 | 503 | 101 | 80-120 | |
| Cadmium | ug/L | 500 | 488 | 98 | 80-120 | |
| Chromium | ug/L | 500 | 477 | 95 | 80-120 | |
| Lead | ug/L | 500 | 497 | 99 | 80-120 | |
| Selenium | ug/L | 500 | 479 | 96 | 80-120 | |
| Silver | ug/L | 250 | 240 | 96 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 673809 673810

| Parameter | Units | 92104123003 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Arsenic | ug/L | ND | 500 | 500 | 493 | 480 | 99 | 96 | 75-125 | 3 | 25 | |
| Barium | ug/L | 103 | 500 | 500 | 607 | 596 | 101 | 99 | 75-125 | 2 | 25 | |
| Cadmium | ug/L | ND | 500 | 500 | 487 | 478 | 97 | 96 | 75-125 | 2 | 25 | |
| Chromium | ug/L | ND | 500 | 500 | 483 | 473 | 96 | 94 | 75-125 | 2 | 25 | |
| Lead | ug/L | ND | 500 | 500 | 496 | 487 | 99 | 97 | 75-125 | 2 | 25 | |
| Selenium | ug/L | ND | 500 | 500 | 481 | 472 | 96 | 94 | 75-125 | 2 | 25 | |
| Silver | ug/L | ND | 250 | 250 | 242 | 237 | 96 | 94 | 75-125 | 2 | 25 | |



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# QUALITY CONTROL DATA

Project: LEE COUNTY
Pace Project No.: 92104123

QC Batch: MPRP/9235
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 92104123007

METHOD BLANK: 674069
Matrix: Water
Associated Lab Samples: 92104123007

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| Arsenic | ug/L | ND | 10.0 | 10/19/11 19:23 | |
| Barium | ug/L | ND | 100 | 10/19/11 19:23 | |
| Cadmium | ug/L | ND | 1.0 | 10/19/11 19:23 | |
| Chromium | ug/L | ND | 10.0 | 10/19/11 19:23 | |
| Lead | ug/L | ND | 10.0 | 10/19/11 19:23 | |
| Selenium | ug/L | ND | 10.0 | 10/19/11 19:23 | |
| Silver | ug/L | ND | 10.0 | 10/19/11 19:23 | |

LABORATORY CONTROL SAMPLE: 674070

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| Arsenic | ug/L | 500 | 472 | 94 | 80-120 | |
| Barium | ug/L | 500 | 469 | 94 | 80-120 | |
| Cadmium | ug/L | 500 | 507 | 101 | 80-120 | |
| Chromium | ug/L | 500 | 506 | 101 | 80-120 | |
| Lead | ug/L | 500 | 484 | 97 | 80-120 | |
| Selenium | ug/L | 500 | 478 | 96 | 80-120 | |
| Silver | ug/L | 250 | 251 | 100 | 80-120 | |

MATRIX SPIKE SAMPLE: 674071

| Parameter | Units | 92104123007 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|---|
| Arsenic | ug/L | ND | 500 | 481 | 96 | 75-125 | |
| Barium | ug/L | ND | 500 | 475 | 95 | 75-125 | |
| Cadmium | ug/L | ND | 500 | 515 | 103 | 75-125 | |
| Chromium | ug/L | ND | 500 | 521 | 104 | 75-125 | |
| Lead | ug/L | ND | 500 | 491 | 98 | 75-125 | |
| Selenium | ug/L | ND | 500 | 482 | 96 | 75-125 | |
| Silver | ug/L | ND | 250 | 256 | 102 | 75-125 | |

SAMPLE DUPLICATE: 674072

| Parameter | Units | 92104300001 Result | Dup Result | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|
| Arsenic | ug/L | ND | ND | | 25 | |
| Barium | ug/L | 25.2J | 25.3J | 0 | 25 | |
| Cadmium | ug/L | ND | ND | | 25 | |
| Chromium | ug/L | ND | ND | | 25 | |
| Lead | ug/L | ND | ND | | 25 | |



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# QUALITY CONTROL DATA

Project: LEE COUNTY
Pace Project No.: 92104123

SAMPLE DUPLICATE: 674072

| Parameter | Units | 92104300001 Result | Dup Result | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|
| Selenium | ug/L | ND | ND | | 25 | |
| Silver | ug/L | ND | ND | | 25 | |



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# QUALITY CONTROL DATA

Project: LEE COUNTY
Pace Project No.: 92104123

QC Batch: MERP/3810 — Analysis Method: EPA 7470
QC Batch Method: EPA 7470 — Analysis Description: 7470 Mercury
Associated Lab Samples: 92104123001, 92104123002, 92104123003, 92104123004, 92104123005, 92104123006, 92104123007

METHOD BLANK: 676693 — Matrix: Water
Associated Lab Samples: 92104123001, 92104123002, 92104123003, 92104123004, 92104123005, 92104123006, 92104123007

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| Mercury | ug/L | ND | 0.20 | 10/24/11 11:49 | |

LABORATORY CONTROL SAMPLE: 676694

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| Mercury | ug/L | 2.5 | 2.4 | 98 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 676695 676696

| Parameter | Units | 92104302004 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | ug/L | ND | 2.5 | 2.5 | 2.2 | 2.2 | 88 | 90 | 75-125 | 2 | 25 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 676697 676698

| Parameter | Units | 92104123003 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | ug/L | ND | 2.5 | 2.5 | 2.5 | 2.4 | 98 | 98 | 75-125 | 0 | 25 | |



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# QUALITY CONTROL DATA

Project: LEE COUNTY
Pace Project No.: 92104123

QC Batch: MSV/16962 | Analysis Method: EPA 8260
QC Batch Method: EPA 8260 | Analysis Description: 8260 MSV Low Level Landfill
Associated Lab Samples: 92104123001, 92104123002, 92104123003, 92104123004

METHOD BLANK: 672506 | Matrix: Water
Associated Lab Samples: 92104123001, 92104123002, 92104123003, 92104123004

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ug/L | ND | 5.0 | 10/13/11 21:59 | |
| 1,1,1-Trichloroethane | ug/L | ND | 1.0 | 10/13/11 21:59 | |
| 1,1,2,2-Tetrachloroethane | ug/L | ND | 3.0 | 10/13/11 21:59 | |
| 1,1,2-Trichloroethane | ug/L | ND | 1.0 | 10/13/11 21:59 | |
| 1,1-Dichloroethane | ug/L | ND | 5.0 | 10/13/11 21:59 | |
| 1,1-Dichloroethene | ug/L | ND | 5.0 | 10/13/11 21:59 | |
| 1,2,3-Trichloropropane | ug/L | ND | 1.0 | 10/13/11 21:59 | |
| 1,2-Dibromo-3-chloropropane | ug/L | ND | 13.0 | 10/13/11 21:59 | |
| 1,2-Dibromoethane (EDB) | ug/L | ND | 1.0 | 10/13/11 21:59 | |
| 1,2-Dichlorobenzene | ug/L | ND | 5.0 | 10/13/11 21:59 | |
| 1,2-Dichloroethane | ug/L | ND | 1.0 | 10/13/11 21:59 | |
| 1,2-Dichloroethene (Total) | ug/L | ND | 5.0 | 10/13/11 21:59 | |
| 1,2-Dichloropropane | ug/L | ND | 1.0 | 10/13/11 21:59 | |
| 1,4-Dichlorobenzene | ug/L | ND | 1.0 | 10/13/11 21:59 | |
| 2-Butanone (MEK) | ug/L | ND | 100 | 10/13/11 21:59 | |
| 2-Hexanone | ug/L | ND | 50.0 | 10/13/11 21:59 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | ND | 100 | 10/13/11 21:59 | |
| Acetone | ug/L | ND | 100 | 10/13/11 21:59 | |
| Acrylonitrile | ug/L | ND | 200 | 10/13/11 21:59 | |
| Benzene | ug/L | ND | 1.0 | 10/13/11 21:59 | |
| Bromochloromethane | ug/L | ND | 3.0 | 10/13/11 21:59 | |
| Bromodichloromethane | ug/L | ND | 1.0 | 10/13/11 21:59 | |
| Bromoform | ug/L | ND | 3.0 | 10/13/11 21:59 | |
| Bromomethane | ug/L | ND | 10.0 | 10/13/11 21:59 | |
| Carbon disulfide | ug/L | ND | 100 | 10/13/11 21:59 | |
| Carbon tetrachloride | ug/L | ND | 1.0 | 10/13/11 21:59 | |
| Chlorobenzene | ug/L | ND | 3.0 | 10/13/11 21:59 | |
| Chloroethane | ug/L | ND | 10.0 | 10/13/11 21:59 | |
| Chloroform | ug/L | ND | 5.0 | 10/13/11 21:59 | |
| Chloromethane | ug/L | ND | 1.0 | 10/13/11 21:59 | |
| cis-1,2-Dichloroethene | ug/L | ND | 5.0 | 10/13/11 21:59 | |
| cis-1,3-Dichloropropene | ug/L | ND | 1.0 | 10/13/11 21:59 | |
| Dibromochloromethane | ug/L | ND | 3.0 | 10/13/11 21:59 | |
| Dibromomethane | ug/L | ND | 10.0 | 10/13/11 21:59 | |
| Ethylbenzene | ug/L | ND | 1.0 | 10/13/11 21:59 | |
| Iodomethane | ug/L | ND | 10.0 | 10/13/11 21:59 | |
| m&p-Xylene | ug/L | ND | 2.0 | 10/13/11 21:59 | |
| Methylene Chloride | ug/L | ND | 1.0 | 10/13/11 21:59 | |
| o-Xylene | ug/L | ND | 1.0 | 10/13/11 21:59 | |
| Styrene | ug/L | ND | 1.0 | 10/13/11 21:59 | |
| Tetrachloroethene | ug/L | ND | 1.0 | 10/13/11 21:59 | |
| Toluene | ug/L | ND | 1.0 | 10/13/11 21:59 | |
| trans-1,2-Dichloroethene | ug/L | ND | 5.0 | 10/13/11 21:59 | |



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# QUALITY CONTROL DATA

Project: LEE COUNTY
Pace Project No.: 92104123

METHOD BLANK: 672506 Matrix: Water

Associated Lab Samples: 92104123001, 92104123002, 92104123003, 92104123004

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| trans-1,3-Dichloropropene | ug/L | ND | 1.0 | 10/13/11 21:59 | |
| trans-1,4-Dichloro-2-butene | ug/L | ND | 100 | 10/13/11 21:59 | |
| Trichloroethene | ug/L | ND | 1.0 | 10/13/11 21:59 | |
| Trichlorofluoromethane | ug/L | ND | 1.0 | 10/13/11 21:59 | |
| Vinyl acetate | ug/L | ND | 50.0 | 10/13/11 21:59 | |
| Vinyl chloride | ug/L | ND | 1.0 | 10/13/11 21:59 | |
| Xylene (Total) | ug/L | ND | 2.0 | 10/13/11 21:59 | |
| 1,2-Dichloroethane-d4 (S) | % | 100 | 70-130 | 10/13/11 21:59 | |
| 4-Bromofluorobenzene (S) | % | 98 | 70-130 | 10/13/11 21:59 | |
| Dibromofluoromethane (S) | % | 110 | 70-130 | 10/13/11 21:59 | |
| Toluene-d8 (S) | % | 99 | 70-130 | 10/13/11 21:59 | |

LABORATORY CONTROL SAMPLE: 672507

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ug/L | 50 | 56.9 | 114 | 70-130 | |
| 1,1,1-Trichloroethane | ug/L | 50 | 46.3 | 93 | 70-130 | |
| 1,1,2,2-Tetrachloroethane | ug/L | 50 | 53.1 | 106 | 70-130 | |
| 1,1,2-Trichloroethane | ug/L | 50 | 50.0 | 100 | 70-130 | |
| 1,1-Dichloroethane | ug/L | 50 | 50.7 | 101 | 70-130 | |
| 1,1-Dichloroethene | ug/L | 50 | 46.5 | 93 | 70-132 | |
| 1,2,3-Trichloropropane | ug/L | 50 | 48.9 | 98 | 70-130 | |
| 1,2-Dibromo-3-chloropropane | ug/L | 50 | 52.5 | 105 | 70-130 | |
| 1,2-Dibromoethane (EDB) | ug/L | 50 | 56.6 | 113 | 70-130 | |
| 1,2-Dichlorobenzene | ug/L | 50 | 59.6 | 119 | 70-130 | |
| 1,2-Dichloroethane | ug/L | 50 | 47.8 | 96 | 70-130 | |
| 1,2-Dichloroethene (Total) | ug/L | 100 | 100 | 100 | 70-130 | |
| 1,2-Dichloropropane | ug/L | 50 | 54.6 | 109 | 70-130 | |
| 1,4-Dichlorobenzene | ug/L | 50 | 55.7 | 111 | 70-130 | |
| 2-Butanone (MEK) | ug/L | 100 | 93.5J | 94 | 70-145 | |
| 2-Hexanone | ug/L | 100 | 90.3 | 90 | 70-144 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | 100 | 85.2J | 85 | 70-140 | |
| Acetone | ug/L | 100 | 91.1J | 91 | 50-175 | |
| Acrylonitrile | ug/L | 250 | 260 | 104 | 70-143 | |
| Benzene | ug/L | 50 | 54.7 | 109 | 70-130 | |
| Bromochloromethane | ug/L | 50 | 54.5 | 109 | 70-130 | |
| Bromodichloromethane | ug/L | 50 | 47.8 | 96 | 70-130 | |
| Bromoform | ug/L | 50 | 49.6 | 99 | 70-130 | |
| Bromomethane | ug/L | 50 | 28.6 | 57 | 54-130 | |
| Carbon disulfide | ug/L | 50 | 45.2J | 90 | 70-131 | |
| Carbon tetrachloride | ug/L | 50 | 53.6 | 107 | 70-132 | |
| Chlorobenzene | ug/L | 50 | 56.7 | 113 | 70-130 | |
| Chloroethane | ug/L | 50 | 46.1 | 92 | 64-134 | |
| Chloroform | ug/L | 50 | 51.8 | 104 | 70-130 | |
| Chloromethane | ug/L | 50 | 49.1 | 98 | 64-130 | |



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# QUALITY CONTROL DATA

Project: LEE COUNTY
Pace Project No.: 92104123

LABORATORY CONTROL SAMPLE: 672507

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethene | ug/L | 50 | 51.8 | 104 | 70-131 | |
| cis-1,3-Dichloropropene | ug/L | 50 | 52.0 | 104 | 70-130 | |
| Dibromochloromethane | ug/L | 50 | 54.2 | 108 | 70-130 | |
| Dibromomethane | ug/L | 50 | 52.2 | 104 | 70-131 | |
| Ethylbenzene | ug/L | 50 | 52.6 | 105 | 70-130 | |
| Iodomethane | ug/L | 100 | 90.0 | 90 | 49-180 | |
| m&p-Xylene | ug/L | 100 | 107 | 107 | 70-130 | |
| Methylene Chloride | ug/L | 50 | 56.9 | 114 | 63-130 | |
| o-Xylene | ug/L | 50 | 54.2 | 108 | 70-130 | |
| Styrene | ug/L | 50 | 58.8 | 118 | 70-130 | |
| Tetrachloroethene | ug/L | 50 | 54.3 | 109 | 70-130 | |
| Toluene | ug/L | 50 | 47.9 | 96 | 70-130 | |
| trans-1,2-Dichloroethene | ug/L | 50 | 48.3 | 97 | 70-130 | |
| trans-1,3-Dichloropropene | ug/L | 50 | 50.7 | 101 | 70-132 | |
| trans-1,4-Dichloro-2-butene | ug/L | 50 | 42.9J | 86 | 70-141 | |
| Trichloroethene | ug/L | 50 | 54.4 | 109 | 70-130 | |
| Trichlorofluoromethane | ug/L | 50 | 45.0 | 90 | 62-133 | |
| Vinyl acetate | ug/L | 100 | 92.7 | 93 | 66-157 | |
| Vinyl chloride | ug/L | 50 | 58.3 | 117 | 69-130 | |
| Xylene (Total) | ug/L | 150 | 161 | 107 | 70-130 | |
| 1,2-Dichloroethane-d4 (S) | % | | | 90 | 70-130 | |
| 4-Bromofluorobenzene (S) | % | | | 99 | 70-130 | |
| Dibromofluoromethane (S) | % | | | 101 | 70-130 | |
| Toluene-d8 (S) | % | | | 98 | 70-130 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 672508 672509

| Parameter | Units | 92104123003 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | ug/L | ND | 50 | 50 | 57.1 | 55.2 | 114 | 110 | 70-166 | 3 | 30 | |
| Benzene | ug/L | ND | 50 | 50 | 54.4 | 52.2 | 109 | 104 | 70-148 | 4 | 30 | |
| Chlorobenzene | ug/L | ND | 50 | 50 | 56.2 | 54.8 | 112 | 110 | 70-146 | 3 | 30 | |
| Toluene | ug/L | ND | 50 | 50 | 53.9 | 52.1 | 108 | 104 | 70-155 | 3 | 30 | |
| Trichloroethene | ug/L | ND | 50 | 50 | 53.4 | 51.8 | 107 | 104 | 69-151 | 3 | 30 | |
| 1,2-Dichloroethane-d4 (S) | % | | | | | | 107 | 107 | 70-130 | | | |
| 4-Bromofluorobenzene (S) | % | | | | | | 95 | 97 | 70-130 | | | |
| Dibromofluoromethane (S) | % | | | | | | 110 | 111 | 70-130 | | | |
| Toluene-d8 (S) | % | | | | | | 96 | 94 | 70-130 | | | |



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# QUALITY CONTROL DATA

Project: LEE COUNTY
Pace Project No.: 92104123

QC Batch: MSV/16991 — Analysis Method: EPA 8260
QC Batch Method: EPA 8260 — Analysis Description: 8260 MSV Low Level Landfill
Associated Lab Samples: 92104123005, 92104123006, 92104123007, 92104123008

METHOD BLANK: 673818 — Matrix: Water
Associated Lab Samples: 92104123005, 92104123006, 92104123007, 92104123008

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ug/L | ND | 5.0 | 10/18/11 00:47 | |
| 1,1,1-Trichloroethane | ug/L | ND | 1.0 | 10/18/11 00:47 | |
| 1,1,2,2-Tetrachloroethane | ug/L | ND | 3.0 | 10/18/11 00:47 | |
| 1,1,2-Trichloroethane | ug/L | ND | 1.0 | 10/18/11 00:47 | |
| 1,1-Dichloroethane | ug/L | ND | 5.0 | 10/18/11 00:47 | |
| 1,1-Dichloroethene | ug/L | ND | 5.0 | 10/18/11 00:47 | |
| 1,2,3-Trichloropropane | ug/L | ND | 1.0 | 10/18/11 00:47 | |
| 1,2-Dibromo-3-chloropropane | ug/L | ND | 13.0 | 10/18/11 00:47 | |
| 1,2-Dibromoethane (EDB) | ug/L | ND | 1.0 | 10/18/11 00:47 | |
| 1,2-Dichlorobenzene | ug/L | ND | 5.0 | 10/18/11 00:47 | |
| 1,2-Dichloroethane | ug/L | ND | 1.0 | 10/18/11 00:47 | |
| 1,2-Dichloroethene (Total) | ug/L | ND | 5.0 | 10/18/11 00:47 | |
| 1,2-Dichloropropane | ug/L | ND | 1.0 | 10/18/11 00:47 | |
| 1,4-Dichlorobenzene | ug/L | ND | 1.0 | 10/18/11 00:47 | |
| 2-Butanone (MEK) | ug/L | ND | 100 | 10/18/11 00:47 | |
| 2-Hexanone | ug/L | ND | 50.0 | 10/18/11 00:47 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | ND | 100 | 10/18/11 00:47 | |
| Acetone | ug/L | ND | 100 | 10/18/11 00:47 | |
| Acrylonitrile | ug/L | ND | 200 | 10/18/11 00:47 | |
| Benzene | ug/L | ND | 1.0 | 10/18/11 00:47 | |
| Bromochloromethane | ug/L | ND | 3.0 | 10/18/11 00:47 | |
| Bromodichloromethane | ug/L | ND | 1.0 | 10/18/11 00:47 | |
| Bromoform | ug/L | ND | 3.0 | 10/18/11 00:47 | |
| Bromomethane | ug/L | ND | 10.0 | 10/18/11 00:47 | |
| Carbon disulfide | ug/L | ND | 100 | 10/18/11 00:47 | |
| Carbon tetrachloride | ug/L | ND | 1.0 | 10/18/11 00:47 | |
| Chlorobenzene | ug/L | ND | 3.0 | 10/18/11 00:47 | |
| Chloroethane | ug/L | ND | 10.0 | 10/18/11 00:47 | |
| Chloroform | ug/L | ND | 5.0 | 10/18/11 00:47 | |
| Chloromethane | ug/L | ND | 1.0 | 10/18/11 00:47 | |
| cis-1,2-Dichloroethene | ug/L | ND | 5.0 | 10/18/11 00:47 | |
| cis-1,3-Dichloropropene | ug/L | ND | 1.0 | 10/18/11 00:47 | |
| Dibromochloromethane | ug/L | ND | 3.0 | 10/18/11 00:47 | |
| Dibromomethane | ug/L | ND | 10.0 | 10/18/11 00:47 | |
| Ethylbenzene | ug/L | ND | 1.0 | 10/18/11 00:47 | |
| Iodomethane | ug/L | ND | 10.0 | 10/18/11 00:47 | |
| m&p-Xylene | ug/L | ND | 2.0 | 10/18/11 00:47 | |
| Methylene Chloride | ug/L | ND | 1.0 | 10/18/11 00:47 | |
| o-Xylene | ug/L | ND | 1.0 | 10/18/11 00:47 | |
| Styrene | ug/L | ND | 1.0 | 10/18/11 00:47 | |
| Tetrachloroethene | ug/L | ND | 1.0 | 10/18/11 00:47 | |
| Toluene | ug/L | ND | 1.0 | 10/18/11 00:47 | |
| trans-1,2-Dichloroethene | ug/L | ND | 5.0 | 10/18/11 00:47 | |



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# QUALITY CONTROL DATA

Project: LEE COUNTY
Pace Project No.: 92104123

METHOD BLANK: 673818 Matrix: Water

Associated Lab Samples: 92104123005, 92104123006, 92104123007, 92104123008

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| trans-1,3-Dichloropropene | ug/L | ND | 1.0 | 10/18/11 00:47 | |
| trans-1,4-Dichloro-2-butene | ug/L | ND | 100 | 10/18/11 00:47 | |
| Trichloroethene | ug/L | ND | 1.0 | 10/18/11 00:47 | |
| Trichlorofluoromethane | ug/L | ND | 1.0 | 10/18/11 00:47 | |
| Vinyl acetate | ug/L | ND | 50.0 | 10/18/11 00:47 | |
| Vinyl chloride | ug/L | ND | 1.0 | 10/18/11 00:47 | |
| Xylene (Total) | ug/L | ND | 2.0 | 10/18/11 00:47 | |
| 1,2-Dichloroethane-d4 (S) | % | 107 | 70-130 | 10/18/11 00:47 | |
| 4-Bromofluorobenzene (S) | % | 94 | 70-130 | 10/18/11 00:47 | |
| Dibromofluoromethane (S) | % | 112 | 70-130 | 10/18/11 00:47 | |
| Toluene-d8 (S) | % | 97 | 70-130 | 10/18/11 00:47 | |

LABORATORY CONTROL SAMPLE: 673819

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ug/L | 50 | 53.6 | 107 | 70-130 | |
| 1,1,1-Trichloroethane | ug/L | 50 | 47.2 | 94 | 70-130 | |
| 1,1,2,2-Tetrachloroethane | ug/L | 50 | 48.8 | 98 | 70-130 | |
| 1,1,2-Trichloroethane | ug/L | 50 | 49.2 | 98 | 70-130 | |
| 1,1-Dichloroethane | ug/L | 50 | 44.2 | 88 | 70-130 | |
| 1,1-Dichloroethene | ug/L | 50 | 46.7 | 93 | 70-132 | |
| 1,2,3-Trichloropropane | ug/L | 50 | 46.1 | 92 | 70-130 | |
| 1,2-Dibromo-3-chloropropane | ug/L | 50 | 47.2 | 94 | 70-130 | |
| 1,2-Dibromoethane (EDB) | ug/L | 50 | 51.2 | 102 | 70-130 | |
| 1,2-Dichlorobenzene | ug/L | 50 | 52.7 | 105 | 70-130 | |
| 1,2-Dichloroethane | ug/L | 50 | 50.0 | 100 | 70-130 | |
| 1,2-Dichloroethene (Total) | ug/L | 100 | 88.3 | 88 | 70-130 | |
| 1,2-Dichloropropane | ug/L | 50 | 49.8 | 100 | 70-130 | |
| 1,4-Dichlorobenzene | ug/L | 50 | 49.1 | 98 | 70-130 | |
| 2-Butanone (MEK) | ug/L | 100 | 88.7J | 89 | 70-145 | |
| 2-Hexanone | ug/L | 100 | 93.5 | 94 | 70-144 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | 100 | 102 | 102 | 70-140 | |
| Acetone | ug/L | 100 | 79.1J | 79 | 50-175 | |
| Acrylonitrile | ug/L | 250 | 230 | 92 | 70-143 | |
| Benzene | ug/L | 50 | 50.5 | 101 | 70-130 | |
| Bromochloromethane | ug/L | 50 | 47.2 | 94 | 70-130 | |
| Bromodichloromethane | ug/L | 50 | 51.5 | 103 | 70-130 | |
| Bromoform | ug/L | 50 | 54.2 | 108 | 70-130 | |
| Bromomethane | ug/L | 50 | 39.0 | 78 | 54-130 | |
| Carbon disulfide | ug/L | 50 | 44.5J | 89 | 70-131 | |
| Carbon tetrachloride | ug/L | 50 | 52.3 | 105 | 70-132 | |
| Chlorobenzene | ug/L | 50 | 50.9 | 102 | 70-130 | |
| Chloroethane | ug/L | 50 | 45.4 | 91 | 64-134 | |
| Chloroform | ug/L | 50 | 47.1 | 94 | 70-130 | |
| Chloromethane | ug/L | 50 | 43.1 | 86 | 64-130 | |



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# QUALITY CONTROL DATA

Project: LEE COUNTY
Pace Project No.: 92104123

LABORATORY CONTROL SAMPLE: 673819

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethene | ug/L | 50 | 44.1 | 88 | 70-131 | |
| cis-1,3-Dichloropropene | ug/L | 50 | 54.4 | 109 | 70-130 | |
| Dibromochloromethane | ug/L | 50 | 52.7 | 105 | 70-130 | |
| Dibromomethane | ug/L | 50 | 50.5 | 101 | 70-131 | |
| Ethylbenzene | ug/L | 50 | 52.0 | 104 | 70-130 | |
| Iodomethane | ug/L | 100 | 95.6 | 96 | 49-180 | |
| m&p-Xylene | ug/L | 100 | 106 | 106 | 70-130 | |
| Methylene Chloride | ug/L | 50 | 49.8 | 100 | 63-130 | |
| o-Xylene | ug/L | 50 | 55.8 | 112 | 70-130 | |
| Styrene | ug/L | 50 | 51.3 | 103 | 70-130 | |
| Tetrachloroethene | ug/L | 50 | 50.0 | 100 | 70-130 | |
| Toluene | ug/L | 50 | 49.9 | 100 | 70-130 | |
| trans-1,2-Dichloroethene | ug/L | 50 | 44.2 | 88 | 70-130 | |
| trans-1,3-Dichloropropene | ug/L | 50 | 54.8 | 110 | 70-132 | |
| trans-1,4-Dichloro-2-butene | ug/L | 50 | 51.3J | 103 | 70-141 | |
| Trichloroethene | ug/L | 50 | 53.7 | 107 | 70-130 | |
| Trichlorofluoromethane | ug/L | 50 | 48.1 | 96 | 62-133 | |
| Vinyl acetate | ug/L | 100 | 84.3 | 84 | 66-157 | |
| Vinyl chloride | ug/L | 50 | 46.8 | 94 | 69-130 | |
| Xylene (Total) | ug/L | 150 | 162 | 108 | 70-130 | |
| 1,2-Dichloroethane-d4 (S) | % | | | 98 | 70-130 | |
| 4-Bromofluorobenzene (S) | % | | | 102 | 70-130 | |
| Dibromofluoromethane (S) | % | | | 97 | 70-130 | |
| Toluene-d8 (S) | % | | | 101 | 70-130 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 673820 673821

| Parameter | Units | 92104305016 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | ug/L | ND | 50 | 50 | 52.7 | 53.0 | 105 | 106 | 70-166 | 1 | 30 | |
| Benzene | ug/L | ND | 50 | 50 | 51.6 | 51.4 | 103 | 103 | 70-148 | 0 | 30 | |
| Chlorobenzene | ug/L | ND | 50 | 50 | 52.3 | 53.4 | 105 | 107 | 70-146 | 2 | 30 | |
| Toluene | ug/L | ND | 50 | 50 | 50.5 | 50.7 | 101 | 101 | 70-155 | 0 | 30 | |
| Trichloroethene | ug/L | ND | 50 | 50 | 49.6 | 49.6 | 99 | 99 | 69-151 | 0 | 30 | |
| 1,2-Dichloroethane-d4 (S) | % | | | | | | 106 | 106 | 70-130 | | | |
| 4-Bromofluorobenzene (S) | % | | | | | | 94 | 96 | 70-130 | | | |
| Dibromofluoromethane (S) | % | | | | | | 109 | 108 | 70-130 | | | |
| Toluene-d8 (S) | % | | | | | | 95 | 95 | 70-130 | | | |



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# QUALIFIERS

Project: LEE COUNTY
Pace Project No.: 92104123

**DEFINITIONS**

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

**LABORATORIES**

| | |
|---|---|
| PASI-A | Pace Analytical Services - Asheville |
| PASI-C | Pace Analytical Services - Charlotte |



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(704)875-9092

# QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: LEE COUNTY
Pace Project No.: 92104123

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|---|---|---|---|---|---|
| **92104123001** | **5301-MW5** | EPA 3010 | MPRP/9232 | EPA 6010 | ICP/8537 |
| **92104123002** | **5301-MW6** | EPA 3010 | MPRP/9232 | EPA 6010 | ICP/8537 |
| **92104123003** | **5301-MW9** | EPA 3010 | MPRP/9232 | EPA 6010 | ICP/8537 |
| **92104123004** | **5301-MW10** | EPA 3010 | MPRP/9232 | EPA 6010 | ICP/8537 |
| **92104123005** | **5301-MW12** | EPA 3010 | MPRP/9232 | EPA 6010 | ICP/8537 |
| **92104123006** | **5301-MW14** | EPA 3010 | MPRP/9232 | EPA 6010 | ICP/8537 |
| **92104123007** | **5301-FIELD BLANK** | EPA 3010 | MPRP/9235 | EPA 6010 | ICP/8541 |
| **92104123001** | **5301-MW5** | EPA 7470 | MERP/3810 | EPA 7470 | MERC/3744 |
| **92104123002** | **5301-MW6** | EPA 7470 | MERP/3810 | EPA 7470 | MERC/3744 |
| **92104123003** | **5301-MW9** | EPA 7470 | MERP/3810 | EPA 7470 | MERC/3744 |
| **92104123004** | **5301-MW10** | EPA 7470 | MERP/3810 | EPA 7470 | MERC/3744 |
| **92104123005** | **5301-MW12** | EPA 7470 | MERP/3810 | EPA 7470 | MERC/3744 |
| **92104123006** | **5301-MW14** | EPA 7470 | MERP/3810 | EPA 7470 | MERC/3744 |
| **92104123007** | **5301-FIELD BLANK** | EPA 7470 | MERP/3810 | EPA 7470 | MERC/3744 |
| **92104123001** | **5301-MW5** | EPA 8260 | MSV/16962 | | |
| **92104123002** | **5301-MW6** | EPA 8260 | MSV/16962 | | |
| **92104123003** | **5301-MW9** | EPA 8260 | MSV/16962 | | |
| **92104123004** | **5301-MW10** | EPA 8260 | MSV/16962 | | |
| **92104123005** | **5301-MW12** | EPA 8260 | MSV/16991 | | |
| **92104123006** | **5301-MW14** | EPA 8260 | MSV/16991 | | |
| **92104123007** | **5301-FIELD BLANK** | EPA 8260 | MSV/16991 | | |
| **92104123008** | **5301-TRIP BLANK** | EPA 8260 | MSV/16991 | | |



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# CHAIN-OF-CUSTODY / Analytical Request Document

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



**Section A**
**Required Client Information:**

| | |
|---|---|
| Company: | Joyce Engineering-NC |
| Address: | 2211 West Meadowview Rd |
| | Greensboro, NC 27407 |
| Email To: | rwinfield@joyceengineering.com |
| Phone: | (336) 323-0092 Fax: (336) 323-0093 |
| Requested Due Date/TAT: | 10 Day (Default) |

**Section B**
**Required Project Information:**

| | |
|---|---|
| Report To: | Robert Winfield |
| Copy To: | Jeremey Kerly |
| Purchase Order No. | |
| Client Project ID: | Lee County |
| Container Order Number: | |

**Section C**
**Invoice Information:**

| | |
|---|---|
| Attention: | Lecia Jones |
| Company Name: | Joyce Engineering |
| Address: | 1604 Ownby Lane, Richmond, VA 23220 |
| Pace Quote Reference: | |
| Pace Project Manager: | Godwin, Kevin |
| Pace Profile #: | 2186-12 |

Regulatory Agency:
State / Location: NC

Requested Analysis Filtered (Y/N)

| ITEM# | SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique) | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | COLLECTED START DATE | COLLECTED START TIME | COLLECTED END DATE | COLLECTED END TIME | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Preservatives: Unpreserved | H2SO4 | HNO3 | HCl | NaOH | Na2S2O3 | Methanol | Other | Analyses Test (Y/N) | RCRA METALS | APPENDIX I VOC 8260 | Residual Chlorine (Y/N) | 92104123 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5301 - MW-5 | WT | G | | | 10/10/11 | 15:35 | 18 | 4 | | | X | X | | | | | | X | X | | 001 |
| 2 | 5301 - MW-6 | WT | G | | | | 13:45 | 18 | 4 | | | X | X | | | | | | X | X | | 002 |
| 3 | 5301 - MW-9 | WT | G | | | | 14:30 | 18 | 4 | | | X | X | | | | | | X | X | | 003 |
| 4 | 5301 - MW-10 | WT | G | | | | 14:20 | 19 | 4 | | | X | X | | | | | | X | X | | 004 |
| 5 | 5301 - MW-12 | WT | G | | | | 15:05 | 19 | 4 | | | X | X | | | | | | X | X | | 005 |
| 6 | 5301 - MW-14 | WT | G | | | | 14:45 | 19 | 4 | | | X | X | | | | | | X | X | | 006 |
| 7 | ~~5301 - SW-2~~ | ~~WT~~ | ~~G~~ | | | | | | | | | | | | | | | | ~~X~~ | ~~X~~ | | Dry, no sample |
| 8 | 5301 - Field Blank | WT | G | | | 10/10/11 | 15:50 | | 4 | | | X | X | | | | | | X | X | | 007 |
| 9 | 5301 - Trip Blank | WT | G | | | 10/7/11 | | | 2 | | | | X | | | | | | | X | | 008 |
| 10 | 5301 - MW-9 MS | WT | G | | | 10/10/11 | 14:30 | 18 | 4 | | | X | X | | | | | | X | X | | 003 |
| 11 | 5301 - MW-9 MSD | WT | G | | | | 14:30 | 18 | 4 | | | X | X | | | | | | X | X | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | |

| ADDITIONAL COMMENTS | RELINQUISHED BY / AFFILIATION | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TIME | SAMPLE CONDITIONS |
|---|---|---|---|---|---|---|---|
| | Bayb Landau | 10/11/11 | 1400 | Pace | 10/11/11 | 1400 | Y |
| | | 10/11 | 1446 | Pace | 10/11 | 1446 | |
| | Pace | 10/11 | 1655 | | 10/11/11 | 1655 | 1.4 yes no yes |

| SAMPLER NAME AND SIGNATURE | |
|---|---|
| PRINT Name of SAMPLER: | Robert L. Winfield |
| SIGNATURE of SAMPLER: | |
| DATE Signed: | 10/10/11 |

TEMP in C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

| Pace Analytical | Document Name: **Sample Condition Upon Receipt (SCUR)** | Document Revised: July 29, 2011 Page 1 of 2 |
|---|---|---|
| | Document Number: **F-CHR-CS-03-rev.05** | Issuing Authority: Pace Huntersville Quality Office |

Client Name: Joyce Project # 92104123

**Where Received:** ☑ Huntersville ☐ Asheville ☐ Eden

**Courier:** ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other_____

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

**Packing Material:** ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other_____

**Thermometer Used: IR Gun T1102** **Type of Ice:** Wet Blue None ☑ Samples on ice, cooling process has begun

**Temp Correction Factor** Add / Subtract 0 °C

**Corrected Cooler Temp.:** 1.4 C **Biological Tissue is Frozen:** Yes No N/A

Date and Initials of person examining contents: Umm 10/11/11

Temp should be above freezing to 6°C

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

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

Person Contacted:_____ Date/Time:_____

Comments/ Resolution:_____

**SCURF Review:** [illegible] Date: 10/11/11 **SRF Review:** [illegible] Date: 10/12/11

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