Prepared for:

Town of Kernersville
Public Works Department
P.O. Box 728
Kernersville, North Carolina 27285-0728

JEI Project No. 00838.1001.12, Task No. 01

SECOND SEMIANNUAL GROUNDWATER MONITORING REPORT OF 2010

TOWN OF KERNERSVILLE LANDFILL
FORSYTH COUNTY, NORTH CAROLINA
PERMIT NO. 34-04

April 2011

Prepared by:

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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, Inc.

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

Name: Jeremey 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)
Town of Kernersville Landfill	Freeman Road Kernersville, NC 27284	34-04	.0500	December 29-30, 2010

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 — Facility Representative Name (Print)

Senior Project Consultant — Title

(336)-323-0092 — (Area Code) Telephone Number

Signature

4-12-11 — Date

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 2010
Town of Kernersville Landfill
Forsyth County, North Carolina

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1.0 INTRODUCTION

1.1 Site Information

The Town of Kernersville Landfill is a closed, unlined municipal solid waste (MSW) landfill located on approximately 58.2 acres in Forsyth and Guilford Counties, NC, approximately 10 miles north of the City of Kernersville. The waste disposal area comprises approximately 13.8 acres. The property boundary is indicated on an excerpt from the 7.5 minutes USGA topographic map for Belews Creek, North Carolina (Figure No. 1). The facility was issued a Permit to Operate on May 15, 1985 and a letter of closure was issued on December 10, 1991.

The area surrounding the landfill is zoned residential/agricultural and contains open fields and woodlands. The landfill is separated to the North from the Waste Management Piedmont Landfill and Recycling Center Facility by Freeman Road. The landfill is bounded to the south by an unnamed tributary of Belews Creek.

1.2 Site Geology and Hydrogeology

The Town of Kernersville Landfill is located in the Piedmont physiographic providence of North Carolina and is underlain by intrusive granitic rocks of Pennsylvanian to Permian age which are part of the Charlotte Belt Geologic Unit. The uppermost aquifer is unconfined and includes both saprolite and uppermost fractured bedrock, which are strongly connected. The groundwater level measurements taken in December 2010 were used to construct the groundwater surface contours shown in Drawing No. 1. Historical static water levels are provided in Table 1. Groundwater flow at the site is generally to the southwest.

Using the hydraulic gradients along the flow paths shown on Drawing No. 1, the linear flow velocity (***V***) was estimated using the modified Darcy equation: $V=iK/n$. The hydraulic gradient (***i***) is 0.03 ft/ft. An effective porosity value (***n***) of 41 percent and hydraulic conductivity (***K***) were taken from the *Water Quality Monitoring Plan* for the Waste Management Piedmont Landfill & Recycling Center due to its proximity to the Town of Kernersville Landfill. The calculated groundwater flow rate averages approximately 0.04 ft/day. A summary of the hydraulic gradients and linear flow velocities are provided in Table 2.

1.3 Regulatory Status

The Town of Kernersville Landfill is currently monitoring groundwater in accordance with criteria set forth in Rule .0500 of the North Carolina Solid Waste Management Rules (NCSWMR) for municipal solid waste landfills (MSWLF) closed prior to October 9, 1993.

2.0 FACILITY MONITORING PROGRAM

2.1 Groundwater Monitoring Program

The current groundwater compliance monitoring network includes 6 monitoring wells, including 1 upgradient well and 5 downgradient wells. These wells are summarized below, along with their current monitoring program status.

Monitoring Well	Classification	Monitoring Program	Total Depth from TOC (ft)
MW-1	Former Background	Water Levels Only	34.69
MW-2	Compliance	Detection (.0500)	13.18
MW-3S	Compliance	Detection (.0500)	24.00
MW-3D	Compliance	Detection (.0500)	56.96
MW-4	Compliance	Detection (.0500)	14.40
MW-5	Compliance	Detection (.0500)	11.36
MW-6	Background	Detection (.0500)	20.46

*TOC = Top of casing.

The locations of the monitoring wells are shown on Drawing No. 1. Existing monitoring well MW-6 serves as the background well for the facility. Monitoring well MW-6 replaced MW-1 as the facility's background well due to infrequent monitoring as a result of low well volumes or dryness of the well. Downgradient monitoring wells MW-2, -3S, -3D, -4, and -5 are monitored as part of the compliance network for the facility. MW-1 is monitored for water levels only, as conditions permit.

Groundwater samples are collected semiannually in June and December. Samples are analyzed for all constituents listed in the NCSWMR Appendix I during the first and second semiannual events.

2.2 Surface Water Monitoring Program

Surface water at the Town of Kernersville Landfill is monitored semiannually in conjunction with the groundwater sampling events. Samples are collected from three surface water monitoring points (SW-1, SW-2, and SW-3). The locations of the surface water monitoring points are shown on Drawing No. 1.

Surface water samples will be collected and analyzed for the NCSWMR Appendix I list of constituents during both semiannual monitoring events. The results will be compared to the 15A NCAC 2B (NC 2B) Surface Water Standards in a value-to-value comparison. These surface water monitoring point are summarized below, along with their current monitoring program status.

Surface Point	Classification	Monitoring Program
SW-1	Up Stream/Compliance	Surface Water
SW-2	Compliance	Surface Water
SW-3	Compliance	Surface Water

3.0 SECOND SEMIANNUAL SAMPLING EVENT OF 2010

3.1 Field Work and Visual Inspection

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 Town of Kernersville Landfill. This inspection program involves field personnel making the following observations:

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

On December 29-30, 2010 Joyce Engineering, Inc. (JEI) personnel visited the facility to purge and sample the facility's monitoring wells MW-2, MW-3S, MW-3D, MW-4, MW-5, and MW-6. 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-1 was measured for a static water level 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. Field data logs are provided in the Appendix to this report.

Surface water samples were collected directly from stream flow, by lowering the prepared sample containers into the stream flow with the opening facing into the current flow. Care was 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 was also measured for temperature, pH, specific conductivity, and turbidity. After sample collection, the sampled were placed in a laboratory provided cooler and chilled on ice. Field data logs are provided in the Appendix.

3.2 Laboratory Analysis and JEI Quality Control

The December 2010 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 the NCSWMR Appendix I constituents. JEI requested a Level II data report for the final laboratory report. The samples were received by the laboratory on December 30, 2010 in good condition, properly preserved, and within analysis hold times.

In addition to samples collected for compliance monitoring at the Town of Kernersville Landfill, a Field Blank was collected by JEI personnel as part of the December 2010 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 December 2010 Field Blank was analyzed for the NCSWMR Appendix I constituents while the December 2010 Trip Blanks was analyzed for the NCSWMR Appendix I volatile organics only.

Upon receipt of the laboratory data package, the data was reviewed by JEI personnel for the following:

- General typographical errors,
- Correct analyses performed and within method specified hold times,
- Biased data results based on Surrogate Recoveries, Matrix Spike, Matrix Spike Duplicate, and Laboratory Control Samples,
- Blank qualified data (B-flags),
- Detections above the groundwater and surface water standards; and
- Detections that are above historical levels.

4.0 DATA ANALYSIS

4.1 Groundwater Data Analysis and Comparisons to Standards

Results from the December 2010 sampling event were received January 11, 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 (NC 2L) or Groundwater Protection Standards (GWPS).

The following inorganic and organic constituents were detected in groundwater during the December 2010 sampling event. All concentrations are reported in micrograms per liter (µg/L). Concentrations with a "J" are considered to be estimated. Concentrations with a "B" are attributed to lab or field contamination. Highlighted concentrations were detected above the NC 2L or GWPS in downgradient wells.

Constituent	NC2L/ GWPS	Background	Downgradient					Blanks
		MW-6	MW-2	MW-3S	MW-3D	MW-4	MW-5	
Barium	700	46.3 B	430	112	38.0 B	92.1 J	72.6 J	11.3
Beryllium	4*	ND	ND	ND	ND	ND	0.48 J	ND
Chromium	10	0.48 J	1.3 J	0.57 J	ND	5.5 J	3.8 J	ND
Cobalt	1*	ND	4.9 J	1.7 J	ND	1.6 J	10.2	ND
Copper	1,000	ND	ND	0.49 J	0.59 J	1.5 J	7.9 J	ND
Lead	15	ND	ND	ND	ND	ND	6.5 J	ND
Nickel	100	ND	ND	ND	ND	ND	2.0 B	3.1 J
Silver	20	ND	1.8 J	0.36 J	0.19 J	0.23 J	ND	ND
Thallium	0.2*	ND	3.2 J	ND	ND	4.8 J	ND	ND
Vanadium	0.3*	1.2 B	2.8 J	2.3 J	1.6 J	5.5 J	14.5 J	0.26 J
Zinc	1,000	12.2 B	15.8 B	8.9 B	ND	4.6 B	38.1 B	12.5
Benzene	1	ND	8.1	ND	ND	ND	ND	ND
Chlorobenzene	50	ND	0.61 J	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	6	ND	3.9	1.1	2.3	1.9	ND	ND
1,1-Dichloroethane	6	ND	28.2	2.4 J	4.1 J	2.6 J	ND	ND
1,2-Dichloroethane	0.4	ND	ND	0.82 J	1.1	ND	ND	ND
Cis-1,2-Dichloroethylene	70	ND	66.7	16.8	56.7	24.1	ND	ND
Trans-1,2-Dichloroethylene	100	ND	1.7 J	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.6	ND	5.3	ND	ND	ND	ND	ND
Tetrachloroethylene	0.7	ND	2.8	ND	ND	ND	ND	ND
Trichloroethylene	3	ND	10.1	ND	ND	ND	ND	ND
Vinyl Chloride	0.03	ND	3.5	2.4	4.7	25.6	ND	ND

1. ND = Not Detected
2. * = GWPS established

In general, the organic and inorganic results are consistent with historical data. Historical groundwater data can be found in Table 3.

4.2 Surface Water Data Analysis and Comparisons to Standards

The following inorganic constituents were detected in surface water monitoring points during the December 2010 sampling event. All concentrations are reported in micrograms per liter (µg/L). Concentrations with a "J" are considered to be estimated. Concentrations with a "B" are attributed to lab or field contamination. Analytical results from surface water monitoring points were compared to the NC 2B Surface Water Standards (NC 2B).

Constituent	NC 2B	Upstream	Downstream		Blanks
		SW-1	SW-2	SW-3	
Barium	NE	22.3 B	27.8 B	27.9 B	11.3 J
Chromium	50	0.69 J	0.53 J	0.41 J	ND
Cobalt	NE	ND	1.8 J	1.9 J	ND
Copper	7	0.38 J	ND	ND	ND
Vanadium	NE	0.67 B	0.37 B	0.62 B	0.26 J
Zinc	50	ND	1.2 B	1.2 B	12.5
Cis-1,2-Dichloroethylene	NE	ND	0.39 J	ND	ND

1. NE = Not established.
2. ND = Not detected above laboratory detection limits.

There were no exceedences of the NC 2B standards in the surface water samples during the December 2010 sampling event. In general, the results are consistent with historical data. Historical surface water data can be found in Table 4.

5.0 CONCLUSION

Based on historical groundwater data, organic constituents detected above the NC 2L and GWPS in groundwater samples collected during the December 2010 sampling event are consistent with previous events. In addition, there were no constituents detected at the surface water monitoring points above the NC 2B Standards. The Town of Kernersville Landfill will remain in Detection Monitoring and the next scheduled semiannual sampling event is scheduled for the June 2011.

6.0 REFERENCES

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

Fetter, C.W., 2001, *Applied Hydrogeology*, Fourth Edition: Prentice-Hall, Inc..

Johnson, A.I., 1967, *Specific Yield - Compilation of Specific Yields For Various Materials:* U.S. Geological Survey Water Supply Paper 1662-D.

Joyce Engineering, Inc. 2010. *Water Quality Monitoring Plan, Piedmont Landfill & Recycling Center*. September 2010.

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.

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TABLE 1

SUMMARY OF HISTORICAL GROUNDWATER ELEVATIONS

Location:	Background		Downgradient				
	MW-1	MW-6	MW-2	MW-3S	MW-3D	MW-4	MW-5
TOC Elevation:	806.42	804.87	762.19	764.57	764.56	760.26	773.32
Well Depth:	34.69	20.46	13.18	24.00	56.96	14.40	11.36
30-Dec-09	772.45	786.66	759.16	751.54	752.79	754.33	769.21
01-Jun-10	773.45	788.32	758.90	750.76	752.63	753.90	769.69
16-Nov-10	773.55	787.93	759.14	750.98	752.59	753.74	769.81
29-Dec-10	773.29	787.37	758.83	749.82	752.45	753.68	769.56

Notes:

* All measurements given in feet above mean sea level (except well depths).

TABLE 2

SUMMARY OF ESTIMATED HYDRAULIC GRADIENT AND LINEAR VELOCITY

			December 2010				
GRADIENT CALCULATION SEGMENT	FLOW LINE LENGTH (feet)	FLOW DIRECTION	GROUND-WATER ELEV. (feet)	HORIZ. GRADIENT, i (ft/ft)	HYDRAULIC CONDUCTIVITY K (ft/day)	EFFECTIVE POROSITY n	LINEAR VELOCITY, V (ft/day)
i_1	962	SW	785 755	0.03	0.48	0.41	0.04

Notes:

1. An effective porosity ("n") of 41% was based on average laboratory-derived porosity as reported in the April 1994 Design Hydrogeologic Study, prepared by RUST Environment & Infrastructure for the adjacent Piedmont Landfill.
2. Hydraulic conductivities ("K") were also taken from the Design Hydrogeologic Study for the adjacent Piedmont Landfill, were based on slug test data from piezometers originally located nearest the respective groundwater flow paths.
3. Velocity = Ki/n; assume homogeneous isotropic porous aquifer.

TABLE 3

SUMMARY OF HISTORICAL GROUNDWATER CONSTITUENTS

Constituent	Concentration (µg/L)																	
	Date	DL	RL	Background			Downgradient										Blanks	
				MW-1	MW-6		MW-2		MW-3S		MW-3D		MW-4		MW-5			
Antimony	30-Dec-09	1.2	6.0	Dry	ND		5.4	B	ND		ND		4.5	B	NS		1.4	J
GWPS = 1.4 µg/L (10/23/07)	01-Jun-10	1.2	6.0	Dry	ND		ND		ND		ND		ND		NS		3.9	J
GWPS = 1 µg/L (8/1/10)	29-Dec-10	2.6	6.0	NS	ND		ND		ND		ND		ND		ND		ND	
Barium	30-Dec-09	1.1	100	Dry	74.1	J	496		178		18.2	J	89.0	J	NS		3.6	J
NC 2L = 700 µg/L (1/11/10)	01-Jun-10	1.1	100	Dry	58.1	J	326		187		22.2	J	94.9	J	NS		2.0	J
	29-Dec-10	0.20	100	NS	46.3	B	430		112		38.0	B	92.1	J	72.6	J	11.3	J
Beryllium	30-Dec-09	0.2	1.0	Dry	ND		0.5	J	ND		ND		ND		NS		ND	
GWPS = 4 µg/L (10/23/07)	01-Jun-10	0.2	1.0	Dry	0.6	J	0.7	J	ND		ND		ND		NS		ND	
	29-Dec-10	0.10	1.0	NS	ND		ND		ND		ND		ND		0.48	J	ND	
Cadmium	30-Dec-09	0.2	1.0	Dry	ND		0.5	J	5.6		ND		ND		NS		ND	
NC 2L = 2 µg/L (1/11/10)	01-Jun-10	0.2	1.0	Dry	2.9		1.0	B	5.3		0.4	B	0.4	B	NS		0.4	J
	29-Dec-10	0.50	1.0	NS	ND		ND		ND		ND		ND		ND		ND	
Chromium	30-Dec-09	0.7	10.0	Dry	ND		2.7	J	9.7	J	ND		3.1	J	NS		ND	
NC 2L = 10 µg/L (1/11/10)	01-Jun-10	0.7	10.0	Dry	3.5	J	1.6	J	12.4		1.2	J	3.2	J	NS		ND	
	29-Dec-10	0.40	10.0	NS	0.48	J	1.3	J	0.57	J	ND		5.5	J	3.8	J	ND	
Cobalt	30-Dec-09	0.7	10.0	Dry	ND		6.4	J	11.2		ND		1.8	J	NS		ND	
GWPS = 70 µg/L (10/23/07)	01-Jun-10	0.7	10.0	Dry	1.8	J	2.5	J	8.5	J	ND		1.7	J	NS		ND	
GWPS = 1 µg/L (10/1/10)	29-Dec-10	0.60	10.0	NS	ND		4.9	J	1.7	J	ND		1.6	J	10.2		ND	
Copper	30-Dec-09	2.0	10.0	Dry	ND		ND		10.6		ND		1.5	J	NS		ND	
NC 2L = 1,000 µg/L (10/23/07)	01-Jun-10	2.0	10.0	Dry	12.2	B	3.3	B	33.2		3.9	B	6.8	B	NS		4.8	J
	29-Dec-10	0.30	10.0	NS	ND		ND		0.49	J	0.59	J	1.5	J	7.9	J	ND	
Lead	30-Dec-09	2.0	10.0	Dry	ND		ND		10.2		ND		ND		NS		ND	
NC 2L = 15 µg/L (10/23/07)	01-Jun-10	2.0	10.0	Dry	9.1	B	8.2	B	8.7	B	3.0	B	3.9	B	NS		3.2	J
	29-Dec-10	4.0	10.0	NS	ND		ND		ND		ND		ND		6.5	J	ND	
Nickel	30-Dec-09	0.6	50.0	Dry	ND		ND		8.1	J	1.8	J	1.6	J	NS		ND	
NC 2L = 100 µg/L (10/23/07)	01-Jun-10	0.6	50.0	Dry	ND		ND		6.0	J	ND		0.9	J	NS		ND	
	29-Dec-10	1.7	50.0	NS	ND		ND		ND		ND		ND		2.0	B	3.1	J
Selenium	30-Dec-09	6.3	10.0	Dry	ND		ND		8.4	J	ND		ND		NS		ND	
NC 2L = 20 µg/L (1/11/10)	01-Jun-10	6.3	10.0	Dry	ND		ND		6.3	J	ND		ND		NS		ND	
	29-Dec-10	3.8	10.0	NS	ND		ND		ND		ND		ND		ND		ND	
Silver	30-Dec-09	1.1	10.0	Dry	ND		1.7	B	2.2	B	ND		ND		NS		1.9	J
NC 2L = 20 µg/L (1/11/10)	01-Jun-10	1.1	10.0	Dry	ND		ND		ND		ND		ND		NS		ND	
	29-Dec-10	0.10	10.0	NS	ND		1.8	J	0.36	J	0.19	J	0.23	J	ND		ND	
Thallium	30-Dec-09	2.7	5.5	Dry	ND		ND		ND		ND		ND		NS		3.7	J
GWPS = 0.28 µg/L (10/23/07)	01-Jun-10	2.7	5.5	Dry	ND		ND		ND		ND		ND		NS		ND	
GWPS = 0.2 µg/L (10/1/10)	29-Dec-10	3.0	5.5	NS	ND		3.2	J	ND		ND		4.8	J	ND		ND	
Vanadium	30-Dec-09	0.4	25.0	Dry	ND		1.4	J	37.4		1.5	J	4.3	J	NS		ND	
GWPS = 3.5 µg/L (10/23/07)	01-Jun-10	0.4	25.0	Dry	1.2	J	3.4	J	84.2		1.4	J	4.8	J	NS		ND	
GWPS = 0.3 µg/L (10/1/10)	29-Dec-10	0.20	25.0	NS	1.2	B	2.8	J	2.3	J	1.6	J	5.5	J	14.5	J	0.26	J
Zinc	30-Dec-09	2.7	10.0	Dry	ND		10.1	B	204		15.9	B	24.8	B	NS		5.8	J
NC 2L = 1,000 µg/L (1/11/10)	01-Jun-10	2.7	10.0	Dry	16.2		13.5		415		8.5	J	22.2		NS		ND	
	29-Dec-10	0.40	10.0	NS	12.2	B	15.8	B	8.9	B	ND		4.6	B	38.1	B	12.5	
Benzene	30-Dec-09	0.1	1.0	Dry	ND		8.4		0.3	J	0.4	J	0.3	J	NS		ND	
NC 2L = 1 µg/L (10/23/07)	01-Jun-10	0.1	1.0	Dry	ND		2.9		ND		ND		ND		NS		ND	
	29-Dec-10	0.25	1.0	NS	ND		8.1		ND		ND		ND		ND		ND	
Chlorobenzene	30-Dec-09	0.1	3.0	Dry	ND		0.5	J	0.6	J	ND		ND		NS		ND	
NC 2L = 50 µg/L (10/23/07)	01-Jun-10	0.1	3.0	Dry	ND		ND		ND		ND		ND		NS		ND	
	29-Dec-10	0.23	3.0	NS	ND		0.61	J	ND		ND		ND		ND		ND	
Chloroethane	30-Dec-09	0.1	10.0	Dry	ND		ND		0.5	J	0.5	J	ND		NS		0.1	J
NC 2L = 3,000 µg/L (1/11/10)	01-Jun-10	0.1	10.0	Dry	ND		ND		0.4	J	ND		ND		NS		ND	
	29-Dec-10	0.54	10.0	NS	ND		ND		ND		ND		ND		ND		ND	
1,4-Dichlorobenzene	30-Dec-09	0.1	1.0	Dry	ND		3.8		2.2		2.3		3.1		NS		ND	
NC 2L = 6 µg/L (1/11/10)	01-Jun-10	0.1	1.0	Dry	ND		1.2		0.9	J	ND		1.2		NS		ND	
	29-Dec-10	0.33	1.0	NS	ND		3.9		1.1		2.3		1.9		ND		ND	

TABLE 3

SUMMARY OF HISTORICAL GROUNDWATER CONSTITUENTS

Constituent	Concentration (µg/L)														
	Date	DL	RL	Background		Downgradient									Blanks
				MW-1	MW-6	MW-2		MW-3S		MW-3D		MW-4		MW-5	
1,1-Dichloroethane	30-Dec-09	0.2	5.0	Dry	ND	22.8		1.9	J	4.0	J	2.4	J	NS	ND
NC 2L = 6 µg/L (1/11/10)	01-Jun-10	0.2	5.0	Dry	ND	11.0		1.1	J	ND		1.2	J	NS	ND
	29-Dec-10	0.32	5.0	NS	ND	28.2		2.4	J	4.1	J	2.6	J	ND	ND
1,2-Dichloroethane	30-Dec-09	0.1	1.0	Dry	ND	1.2		0.7	J	1.2		ND		NS	ND
NC 2L = 0.4 µg/L (1/11/10)	01-Jun-10	0.1	1.0	Dry	ND	ND		ND		ND		ND		NS	ND
	29-Dec-10	0.12	1.0	NS	ND	ND		0.82	J	1.1		ND		ND	ND
1,1-Dichloroethylene	30-Dec-09	0.1	5.0	Dry	ND	0.4	J	ND		ND		ND		NS	ND
NC 2L = 7 µg/L (10/23/07)	01-Jun-10	0.1	5.0	Dry	ND	ND		ND		ND		ND		NS	ND
	29-Dec-10	0.56	5.0	NS	ND	ND		ND		ND		ND		ND	ND
Cis-1,2-Dichloroethylene	30-Dec-09	0.1	5.0	Dry	ND	68.2		11.0		51.0		21.8		NS	ND
NC 2L = 70 µg/L (10/23/07)	01-Jun-10	0.1	5.0	Dry	ND	23.0		7.6		ND		10.2		NS	ND
	29-Dec-10	0.19	5.0	NS	ND	66.7		16.8		56.7		24.1		ND	ND
Trans-1,2-Dichloroethylene	30-Dec-09	0.1	5.0	Dry	ND	1.4	J	ND		0.2	J	0.2	J	NS	ND
NC 2L = 100 µg/L (10/23/07)	01-Jun-10	0.1	5.0	Dry	ND	0.6	J	ND		ND		ND		NS	ND
	29-Dec-10	0.49	5.0	NS	ND	1.7	J	ND		ND		ND		ND	ND
1,2-Dichloropropane	30-Dec-09	0.1	1.0	Dry	ND	5.7		0.6	J	1.1		0.7	J	NS	ND
NC 2L = 0.6 µg/L (1/11/10)	01-Jun-10	0.1	1.0	Dry	ND	1.9		ND		ND		ND		NS	ND
	29-Dec-10	0.27	1.0	NS	ND	5.3		ND		ND		ND		ND	ND
Ethyl Benzene	30-Dec-09	0.1	1.0	Dry	ND	ND		ND		0.4	J	ND		NS	ND
NC 2L = 600 µg/L (10/23/07)	01-Jun-10	0.1	1.0	Dry	ND	ND		ND		ND		ND		NS	ND
	29-Dec-10	0.30	1.0	NS	ND	ND		ND		ND		ND		ND	ND
Tetrachloroethylene	30-Dec-09	0.2	1.0	Dry	ND	1.2		ND		ND		ND		NS	ND
NC 2L = 0.7 µg/L (10/23/07)	01-Jun-10	0.2	1.0	Dry	ND	1.4		ND		ND		ND		NS	ND
	29-Dec-10	0.46	1.0	NS	ND	2.8		ND		ND		ND		ND	ND
Trichloroethylene	30-Dec-09	0.1	1.0	Dry	ND	8.0		ND		ND		0.2	J	NS	ND
NC 2L = 3 µg/L (1/11/10)	01-Jun-10	0.1	1.0	Dry	ND	6.4		ND		ND		ND		NS	ND
	29-Dec-10	0.47	1.0	NS	ND	10.1		ND		ND		ND		ND	ND
Vinyl chloride	30-Dec-09	0.1	1.0	Dry	ND	4.0		2.8		4.1		26.2		NS	ND
NC 2L = 0.03 µg/L (1/11/10)	01-Jun-10	0.1	1.0	Dry	ND	2.2		3.0		ND		26.7		NS	ND
	29-Dec-10	0.62	1.0	NS	ND	3.5		2.4		4.7		25.6		ND	ND
Xylenes	30-Dec-09	0.3	4.0	Dry	ND	ND		ND		3.5	J	ND		NS	ND
NC 2L = 500 µg/L (1/11/10)	01-Jun-10	0.3	4.0	Dry	ND	ND		ND		ND		ND		NS	ND
	29-Dec-10	0.66	2.0	NS	ND	ND		ND		ND		ND		ND	ND

Notes:
1. RL = Reporting limit (NC SWSL).
2. All concentrations are in micrograms per liter (ug/L).
3. NC 2L Standard is the groundwater quality standard established under 15A NCAC 2L.
4. MW = Monitoring well.
5. Blanks = Quality control blanks, including trip, field, and laboratory blanks. The listed concentration is the highest value reported in all blanks associated with the samples.
6. ND = Not detected at the laboratory's detection limit.
7. J = Estimated value since concentration is less than the laboratory's reporting limit and greater than the detection limit.
8. B = Probable field and/or laboratory contamination since the concentration is within five times the concentration reported in the associated quality control blanks.
9. Shaded values are greater than the NC 2L Standard or GWPS.
10. DL = Detection limit.
11. GWPS = Groundwater Protection Standard (GWPS is used when the NC 2L Standard has not been established.)
12. Dry = Monitoring well was considered dry.
13. NS = Not sampled.

TABLE 4

SUMMARY OF HISTORICAL SURFACE WATER CONSTITUENTS

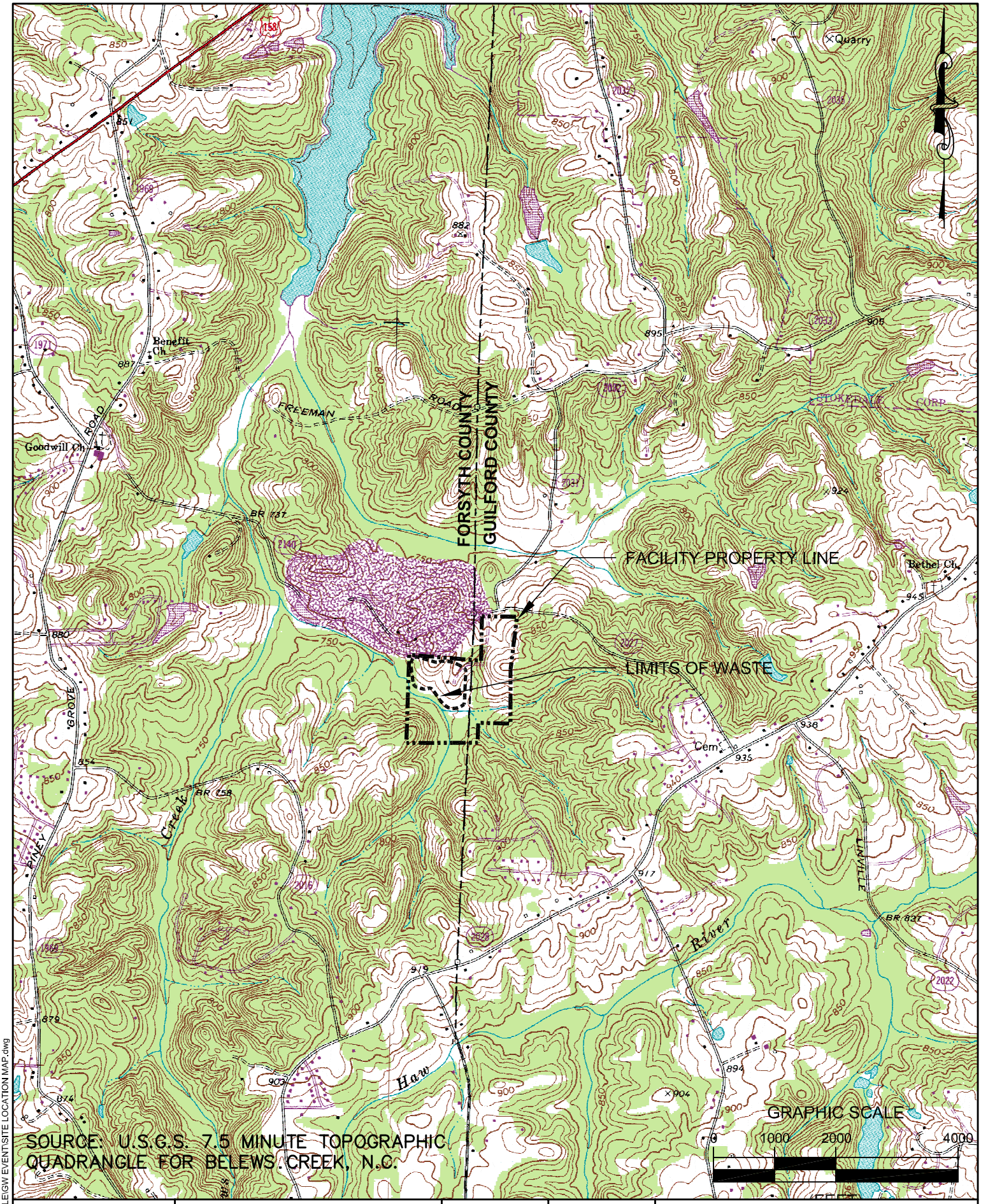
Constituent	Date	Concentration (µg/L)									
		DL	RL	Upstream SMP-1		Downstream SMP-2		Downstream SMP-3		Blanks	
Antimony	30-Dec-09	1.2	6.0	1.5	B	6.4	B	NS		1.4	J
NC 2B = NE µg/L (05/01/07)	01-Jun-10	1.2	6.0	6.7	B	2.5	B	NS		3.9	J
	29-Dec-10	2.6	6.0	ND		ND		ND		ND	
Barium	30-Dec-09	1.1	100	25.1	J	34	J	NS		3.4	J
NC 2B = NE µg/L (05/01/07)	01-Jun-10	1.1	100	28.8	J	31.5	J	NS		2.0	J
	29-Dec-10	0.20	100	22.3	B	27.8	B	27.9	B	11.3	J
Cadmium	30-Dec-09	0.2	1.0	ND		ND		NS		ND	
NC 2B = 2 µg/L (05/01/07)	01-Jun-10	0.2	1.0	0.9	B	0.4	B	NS		0.4	J
	29-Dec-10	0.50	1.0	ND		ND		ND		ND	
Chromium	30-Dec-09	0.7	10.0	ND		ND		NS		ND	
NC 2B = 50 µg/L (05/01/07)	01-Jun-10	0.7	10.0	1.7	J	1.2	J	NS		ND	
	29-Dec-10	0.40	10.0	0.69	J	0.53	J	0.41	J	ND	
Cobalt	30-Dec-09	0.7	10.0	ND		ND		NS		ND	
NC 2B = NE µg/L (05/01/07)	01-Jun-10	0.7	10.0	ND		ND		NS		ND	
	29-Dec-10	0.60	10.0	ND		1.8	J	1.9	J	ND	
Copper	30-Dec-09	2.0	10.0	ND		ND		NS		ND	
NC 2B = 7 µg/L (05/01/07)	01-Jun-10	2.0	10.0	6.9	B	5.8	B	NS		4.8	J
	29-Dec-10	0.30	10.0	0.38	J	ND		ND		ND	
Lead	30-Dec-09	2.0	10.0	ND		ND		NS		ND	
NC 2B = 25 µg/L (05/01/07)	01-Jun-10	2.0	10.0	2.7	B	2.8	B	NS		3.2	J
	29-Dec-10	4.0	10.0	ND		ND		ND		ND	
Vanadium	30-Dec-09	0.4	25.0	2.0	J	0.8	J	NS		ND	
NC 2B = NE µg/L (05/01/07)	01-Jun-10	0.4	25.0	2.2	J	2.4	J	NS		ND	
	29-Dec-10	0.20	25.0	0.67	B	0.37	B	0.62	B	0.26	J
Zinc	30-Dec-09	2.7	10.0	6.7	B	ND		NS		4.7	J
NC 2B = 50 µg/L (05/01/07)	01-Jun-10	2.7	10.0	6.7	J	8.7	J	NS		ND	
	29-Dec-10	0.40	10.0	ND		1.2	B	1.2	B	12.5	
Cis-1,2-Dichloroethylene	30-Dec-09	0.1	5.0	ND		ND		NS		ND	
NC 2B = NE µg/L (05/01/07)	01-Jun-10	0.1	5.0	ND		ND		NS		ND	
	29-Dec-10	0.19	5.0	ND		0.39	J	ND		ND	

Notes:

1. RL = Reporting limit (NC SWSL).
2. All concentrations are in micrograms per liter (ug/L).
3. NC 2B Standard is the surface water quality standard. Classification is currently Freshwater Aquatic Life.
4. NS = Not sampled.
5. SMP = Surface water monitoring point.
6. Blanks = Quality control blanks, including trip, field, and laboratory blanks. The listed concentration is the highest value reported in all blanks associated with th
7. ND = Not detected at the laboratory's detection limit.
8. J = Estimated value since concentration is less than the laboratory's reporting limit and greater than the detection limit.
9. B = Probable field and/or laboratory contamination since the concentration is within five times the concentration reported in the associated quality control blanks
10. Shaded values are greater than the established NC 2B Surface Water Quality Standards.
11. DL = Detection limit.
12. NE = Not established.

Figure

Figure No. 1 Site Location Map



SOURCE: U.S.G.S. 7.5 MINUTE TOPOGRAPHIC QUADRANGLE FOR BELEWS CREEK, N.C.

L:\KERNERSVILLE\GW EVENT\SITE LOCATION MAP.dwg

FIGURE NO. 1	JOYCE ENGINEERING, INC. 2211 WEST MEADOWVIEW ROAD GREENSBORO, N.C. 27407 PHONE: (336) 323-0092	SCALE 1"=2000'	PROJECT NO. 838.1001.12	TOWN OF KERNERSVILLE LANDFILL FORSYTH COUNTY, NORTH CAROLINA SITE LOCATION MAP

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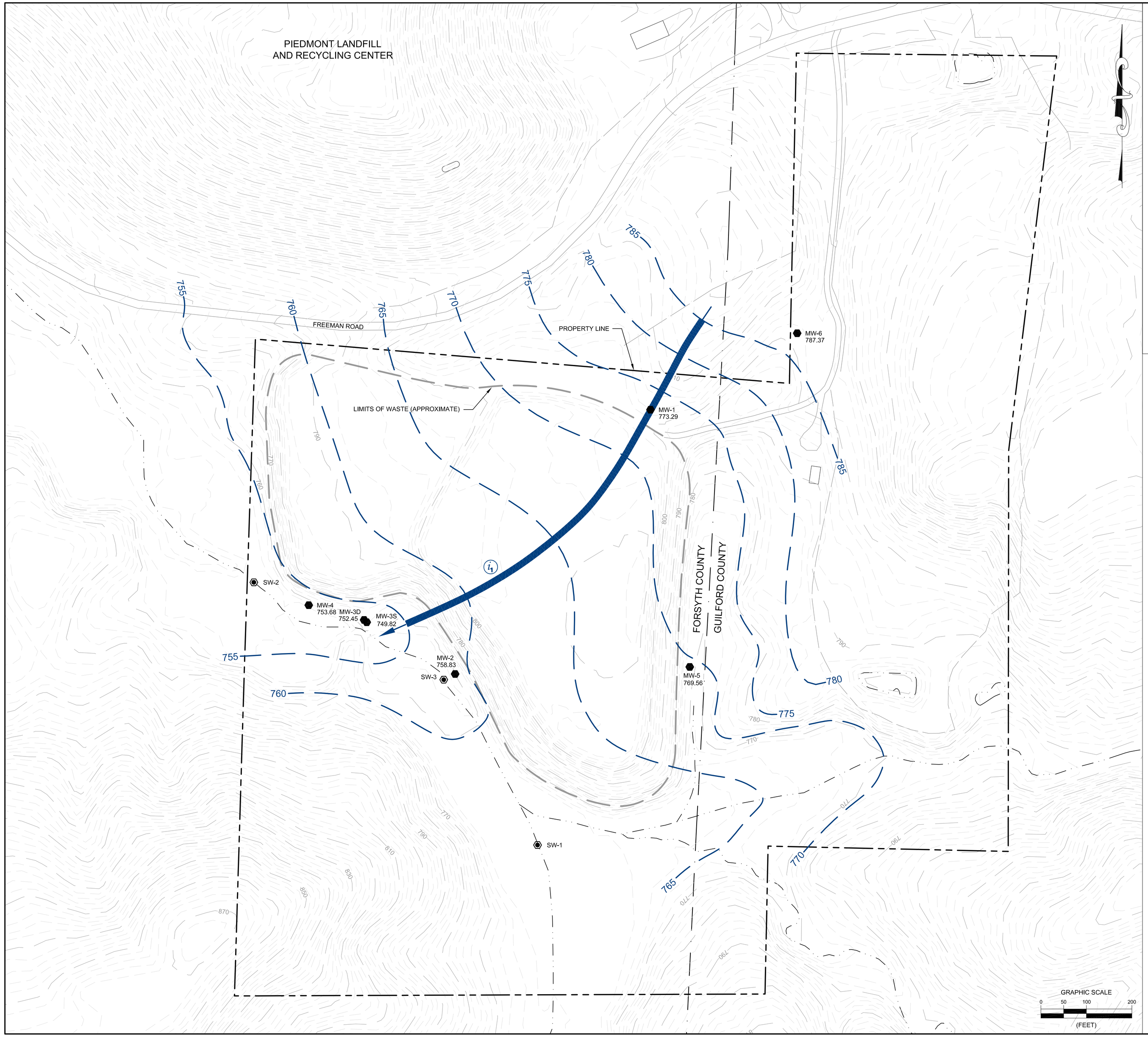
Drawing

Drawing No. 1 Site Location Map



LEGEND

1130	EXISTING 10' TOPOGRAPHIC CONTOUR
	EXISTING 2' TOPOGRAPHIC CONTOUR
	PROPERTY LINE
	EXISTING ROAD
	APPROXIMATE LIMITS OF WASTE
	CENTERLINE OF STREAM
770	GROUNDWATER CONTOUR AND ELEVATION
SW-1	APPROXIMATE SURFACE WATER SAMPLING POINT LOCATION AND IDENTIFICATION
MW-1 773.29	MONITORING WELL IDENTIFICATION AND WATER LEVEL READING
	GROUNDWATER FLOW DIRECTION WITH GRADIENT CALCULATION SEGMENT
i_1	SEGMENT USED FOR GRADIENT CALCULATIONS

NOTES:

1. SURVEY DATA FOR GUILFORD COUNTY DATED SEPTEMBER 2009, AND MARCH 2010.
2. SURVEY DATA FOR FORSYTH COUNTY DATED OCTOBER, 2010.
3. ALL SURVEY DATA OBTAINED FROM COUNTY GIS FILES.
4. LIMITS OF WASTE ARE APPROXIMATE.

DATE	REVISIONS AND RECORD OF ISSUE	NO	BY	CK	APP

DESIGNED JJK
DRAWN JJK
CHECKED GVB
APPROVED GVB
DATE 04/11/11

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

TOWN OF KERNERSVILLE LANDFILL
FORSYTH COUNTY, NORTH CAROLINA

GROUNDWATER SURFACE CONTOUR MAP
DECEMBER 29, 2010

PROJECT NO.
838.1001.12.01

SCALE
AS SHOWN

DRAWING NO.
1

L:\KERNERSVILLE\GW EVENT\GW Surface Contour Map December 2010.dwg Layout=Layout1

Appendix

Laboratory Analytical Report and Field Data Logs

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

January 14, 2011

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

RE: Project: TOWN OF KERNERSVILLE
Pace Project No.: 9284986

Dear Mr. Kerly:
Enclosed are the analytical results for sample(s) received by the laboratory on December 30, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC 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

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CERTIFICATIONS

Project: TOWN OF KERNERSVILLE
Pace Project No.: 9284986

Charlotte Certification IDs

9800 Kincey Ave. Ste 100, Huntersville, NC 28078
Louisiana/LELAP Certification #: 04034
New Jersey Certification #: NC012
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
Pennsylvania Certification #: 68-00784
South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Virginia Certification #: 00213
Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DHH Drinking Water # LA 100031
West Virginia Certification #: 357

Asheville Certification IDs

2225 Riverside Dr., Asheville, NC 28804
Connecticut Certification #: PH-0106
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
New Jersey Certification #: NC011
North Carolina Bioassay Certification #: 9
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
Pennsylvania Certification #: 68-03578
South Carolina Bioassay Certification #: 99030002
South Carolina Certification #: 99030001
Virginia Certification #: 00072
West Virginia Certification #: 356

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

SAMPLE SUMMARY

Project: TOWN OF KERNERSVILLE
Pace Project No.: 9284986

Lab ID	Sample ID	Matrix	Date Collected	Date Received
9284986001	**3404-MW2**	Water	12/29/10 15:09	12/30/10 11:55
9284986002	**3404-MW3S**	Water	12/29/10 14:39	12/30/10 11:55
9284986003	**3404-MW3D**	Water	12/29/10 14:22	12/30/10 11:55
9284986004	**3404-MW4**	Water	12/29/10 13:14	12/30/10 11:55
9284986005	**3404-MW5**	Water	12/29/10 16:11	12/30/10 11:55
9284986006	**3404-MW6**	Water	12/30/10 09:10	12/30/10 11:55
9284986007	**3404-SW1**	Water	12/29/10 15:30	12/30/10 11:55
9284986008	**3404-SW2**	Water	12/29/10 12:45	12/30/10 11:55
9284986009	**3404-SW3**	Water	12/29/10 14:50	12/30/10 11:55
9284986010	**FIELD BLANK**	Water	12/30/10 09:30	12/30/10 11:55
9284986011	**TRIP BLANK**	Water	12/29/10 09:45	12/30/10 11:55

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(704)875-9092

SAMPLE ANALYTE COUNT

Project: TOWN OF KERNERSVILLE
Pace Project No.: 9284986

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9284986001	**3404-MW2**	EPA 6010	JMW	15	PASI-A
		EPA 8260	MCK	54	PASI-C
9284986002	**3404-MW3S**	EPA 6010	JMW	15	PASI-A
		EPA 8260	MCK	54	PASI-C
9284986003	**3404-MW3D**	EPA 6010	JMW	15	PASI-A
		EPA 8260	MCK	54	PASI-C
9284986004	**3404-MW4**	EPA 6010	JMW	15	PASI-A
		EPA 8260	MCK	54	PASI-C
9284986005	**3404-MW5**	EPA 6010	SHB	15	PASI-A
		EPA 8260	MCK	54	PASI-C
9284986006	**3404-MW6**	EPA 6010	SHB	15	PASI-A
		EPA 8260	MCK	54	PASI-C
9284986007	**3404-SW1**	EPA 6010	SHB	15	PASI-A
		EPA 8260	MCK	54	PASI-C
9284986008	**3404-SW2**	EPA 6010	SHB	15	PASI-A
		EPA 8260	MCK	54	PASI-C
9284986009	**3404-SW3**	EPA 6010	SHB	15	PASI-A
		EPA 8260	MCK	54	PASI-C
9284986010	**FIELD BLANK**	EPA 6010	SHB	15	PASI-A
		EPA 8260	MCK	54	PASI-C
9284986011	**TRIP BLANK**	EPA 8260	MCK	54	PASI-C

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(704)875-9092

ANALYTICAL RESULTS

Project: TOWN OF KERNERSVILLE
Pace Project No.: 9284986

Sample: 3404-MW2 **Lab ID: 9284986001** Collected: 12/29/10 15:09 Received: 12/30/10 11:55 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								
Antimony	ND	ug/L	6.0	2.6	1	01/06/11 12:00	01/08/11 01:06	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	01/06/11 12:00	01/08/11 01:06	7440-38-2	
Barium	**430**	ug/L	100	0.20	1	01/06/11 12:00	01/08/11 01:06	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	01/06/11 12:00	01/08/11 01:06	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	01/06/11 12:00	01/08/11 01:06	7440-43-9	
Chromium	**1.3J**	ug/L	10.0	0.40	1	01/06/11 12:00	01/08/11 01:06	7440-47-3	
Cobalt	**4.9J**	ug/L	10.0	0.60	1	01/06/11 12:00	01/08/11 01:06	7440-48-4	
Copper	ND	ug/L	10.0	0.30	1	01/06/11 12:00	01/08/11 01:06	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	01/06/11 12:00	01/08/11 01:06	7439-92-1	
Nickel	ND	ug/L	50.0	1.7	1	01/06/11 12:00	01/08/11 01:06	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	01/06/11 12:00	01/08/11 01:06	7782-49-2	
Silver	**1.8J**	ug/L	10.0	0.10	1	01/06/11 12:00	01/08/11 01:06	7440-22-4	
Thallium	**3.2J**	ug/L	5.5	3.0	1	01/06/11 12:00	01/08/11 01:06	7440-28-0	
Vanadium	**2.8J**	ug/L	25.0	0.20	1	01/06/11 12:00	01/08/11 01:06	7440-62-2	
Zinc	**15.8**	ug/L	10.0	0.40	1	01/06/11 12:00	01/08/11 01:06	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		01/10/11 10:32	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		01/10/11 10:32	107-13-1	
Benzene	**8.1**	ug/L	1.0	0.25	1		01/10/11 10:32	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		01/10/11 10:32	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/10/11 10:32	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		01/10/11 10:32	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		01/10/11 10:32	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		01/10/11 10:32	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		01/10/11 10:32	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/10/11 10:32	56-23-5	
Chlorobenzene	**0.61J**	ug/L	3.0	0.23	1		01/10/11 10:32	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		01/10/11 10:32	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		01/10/11 10:32	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		01/10/11 10:32	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		01/10/11 10:32	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		01/10/11 10:32	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/10/11 10:32	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		01/10/11 10:32	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		01/10/11 10:32	95-50-1	
1,4-Dichlorobenzene	**3.9**	ug/L	1.0	0.33	1		01/10/11 10:32	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		01/10/11 10:32	110-57-6	
1,1-Dichloroethane	**28.2**	ug/L	5.0	0.32	1		01/10/11 10:32	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		01/10/11 10:32	107-06-2	
1,2-Dichloroethene (Total)	**68.4**	ug/L	5.0	0.49	1		01/10/11 10:32	540-59-0	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		01/10/11 10:32	75-35-4	
cis-1,2-Dichloroethene	**66.7**	ug/L	5.0	0.19	1		01/10/11 10:32	156-59-2	
trans-1,2-Dichloroethene	**1.7J**	ug/L	5.0	0.49	1		01/10/11 10:32	156-60-5	
1,2-Dichloropropane	**5.3**	ug/L	1.0	0.27	1		01/10/11 10:32	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		01/10/11 10:32	10061-01-5	

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ANALYTICAL RESULTS

Project: TOWN OF KERNERSVILLE
Pace Project No.: 9284986

Sample: 3404-MW2 **Lab ID: 9284986001** Collected: 12/29/10 15:09 Received: 12/30/10 11:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		01/10/11 10:32	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/10/11 10:32	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		01/10/11 10:32	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		01/10/11 10:32	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		01/10/11 10:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		01/10/11 10:32	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		01/10/11 10:32	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		01/10/11 10:32	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		01/10/11 10:32	79-34-5	
Tetrachloroethene	**2.8**	ug/L	1.0	0.46	1		01/10/11 10:32	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/10/11 10:32	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/10/11 10:32	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/10/11 10:32	79-00-5	
Trichloroethene	**10.1**	ug/L	1.0	0.47	1		01/10/11 10:32	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/10/11 10:32	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/10/11 10:32	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		01/10/11 10:32	108-05-4	
Vinyl chloride	**3.5**	ug/L	1.0	0.62	1		01/10/11 10:32	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		01/10/11 10:32	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/10/11 10:32	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/10/11 10:32	95-47-6	
4-Bromofluorobenzene (S)	101	%	70-130		1		01/10/11 10:32	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		01/10/11 10:32	1868-53-7	
1,2-Dichloroethane-d4 (S)	110	%	70-130		1		01/10/11 10:32	17060-07-0	
Toluene-d8 (S)	95	%	70-130		1		01/10/11 10:32	2037-26-5	

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ANALYTICAL RESULTS

Project: TOWN OF KERNERSVILLE
Pace Project No.: 9284986

Sample: 3404-MW3S **Lab ID: 9284986002** Collected: 12/29/10 14:39 Received: 12/30/10 11:55 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								
Antimony	ND	ug/L	6.0	2.6	1	01/06/11 12:00	01/08/11 01:09	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	01/06/11 12:00	01/08/11 01:09	7440-38-2	
Barium	**112**	ug/L	100	0.20	1	01/06/11 12:00	01/08/11 01:09	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	01/06/11 12:00	01/08/11 01:09	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	01/06/11 12:00	01/08/11 01:09	7440-43-9	
Chromium	**0.57J**	ug/L	10.0	0.40	1	01/06/11 12:00	01/08/11 01:09	7440-47-3	
Cobalt	**1.7J**	ug/L	10.0	0.60	1	01/06/11 12:00	01/08/11 01:09	7440-48-4	
Copper	**0.49J**	ug/L	10.0	0.30	1	01/06/11 12:00	01/08/11 01:09	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	01/06/11 12:00	01/08/11 01:09	7439-92-1	
Nickel	ND	ug/L	50.0	1.7	1	01/06/11 12:00	01/08/11 01:09	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	01/06/11 12:00	01/08/11 01:09	7782-49-2	
Silver	**0.36J**	ug/L	10.0	0.10	1	01/06/11 12:00	01/08/11 01:09	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	01/06/11 12:00	01/08/11 01:09	7440-28-0	
Vanadium	**2.3J**	ug/L	25.0	0.20	1	01/06/11 12:00	01/08/11 01:09	7440-62-2	
Zinc	**8.9J**	ug/L	10.0	0.40	1	01/06/11 12:00	01/08/11 01:09	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		01/07/11 20:30	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		01/07/11 20:30	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		01/07/11 20:30	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		01/07/11 20:30	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/07/11 20:30	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		01/07/11 20:30	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		01/07/11 20:30	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		01/07/11 20:30	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		01/07/11 20:30	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/07/11 20:30	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		01/07/11 20:30	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		01/07/11 20:30	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		01/07/11 20:30	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		01/07/11 20:30	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		01/07/11 20:30	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		01/07/11 20:30	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/07/11 20:30	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		01/07/11 20:30	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		01/07/11 20:30	95-50-1	
1,4-Dichlorobenzene	**1.1**	ug/L	1.0	0.33	1		01/07/11 20:30	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		01/07/11 20:30	110-57-6	
1,1-Dichloroethane	**2.4J**	ug/L	5.0	0.32	1		01/07/11 20:30	75-34-3	
1,2-Dichloroethane	**0.82J**	ug/L	1.0	0.12	1		01/07/11 20:30	107-06-2	
1,2-Dichloroethene (Total)	**17.0**	ug/L	5.0	0.49	1		01/07/11 20:30	540-59-0	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		01/07/11 20:30	75-35-4	
cis-1,2-Dichloroethene	**16.8**	ug/L	5.0	0.19	1		01/07/11 20:30	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		01/07/11 20:30	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/07/11 20:30	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		01/07/11 20:30	10061-01-5	

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ANALYTICAL RESULTS

Project: TOWN OF KERNERSVILLE
Pace Project No.: 9284986

Sample: 3404-MW3S **Lab ID: 9284986002** Collected: 12/29/10 14:39 Received: 12/30/10 11:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		01/07/11 20:30	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/07/11 20:30	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		01/07/11 20:30	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		01/07/11 20:30	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		01/07/11 20:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		01/07/11 20:30	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		01/07/11 20:30	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		01/07/11 20:30	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		01/07/11 20:30	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/07/11 20:30	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/07/11 20:30	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/07/11 20:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/07/11 20:30	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		01/07/11 20:30	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/07/11 20:30	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/07/11 20:30	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		01/07/11 20:30	108-05-4	
Vinyl chloride	**2.4**	ug/L	1.0	0.62	1		01/07/11 20:30	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		01/07/11 20:30	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/07/11 20:30	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/07/11 20:30	95-47-6	
4-Bromofluorobenzene (S)	99	%	70-130		1		01/07/11 20:30	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		01/07/11 20:30	1868-53-7	
1,2-Dichloroethane-d4 (S)	103	%	70-130		1		01/07/11 20:30	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		01/07/11 20:30	2037-26-5	

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ANALYTICAL RESULTS

Project: TOWN OF KERNERSVILLE
Pace Project No.: 9284986

Sample: 3404-MW3D **Lab ID: 9284986003** Collected: 12/29/10 14:22 Received: 12/30/10 11:55 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								
Antimony	ND	ug/L	6.0	2.6	1	01/06/11 12:00	01/08/11 01:14	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	01/06/11 12:00	01/08/11 01:14	7440-38-2	
Barium	**38.0J**	ug/L	100	0.20	1	01/06/11 12:00	01/08/11 01:14	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	01/06/11 12:00	01/08/11 01:14	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	01/06/11 12:00	01/08/11 01:14	7440-43-9	
Chromium	ND	ug/L	10.0	0.40	1	01/06/11 12:00	01/08/11 01:14	7440-47-3	
Cobalt	ND	ug/L	10.0	0.60	1	01/06/11 12:00	01/08/11 01:14	7440-48-4	
Copper	**0.59J**	ug/L	10.0	0.30	1	01/06/11 12:00	01/08/11 01:14	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	01/06/11 12:00	01/08/11 01:14	7439-92-1	
Nickel	ND	ug/L	50.0	1.7	1	01/06/11 12:00	01/08/11 01:14	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	01/06/11 12:00	01/08/11 01:14	7782-49-2	
Silver	**0.19J**	ug/L	10.0	0.10	1	01/06/11 12:00	01/08/11 01:14	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	01/06/11 12:00	01/08/11 01:14	7440-28-0	
Vanadium	**1.6J**	ug/L	25.0	0.20	1	01/06/11 12:00	01/08/11 01:14	7440-62-2	
Zinc	ND	ug/L	10.0	0.40	1	01/06/11 12:00	01/08/11 01:14	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		01/07/11 20:56	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		01/07/11 20:56	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		01/07/11 20:56	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		01/07/11 20:56	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/07/11 20:56	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		01/07/11 20:56	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		01/07/11 20:56	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		01/07/11 20:56	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		01/07/11 20:56	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/07/11 20:56	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		01/07/11 20:56	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		01/07/11 20:56	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		01/07/11 20:56	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		01/07/11 20:56	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		01/07/11 20:56	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		01/07/11 20:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/07/11 20:56	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		01/07/11 20:56	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		01/07/11 20:56	95-50-1	
1,4-Dichlorobenzene	**2.3**	ug/L	1.0	0.33	1		01/07/11 20:56	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		01/07/11 20:56	110-57-6	
1,1-Dichloroethane	**4.1J**	ug/L	5.0	0.32	1		01/07/11 20:56	75-34-3	
1,2-Dichloroethane	**1.1**	ug/L	1.0	0.12	1		01/07/11 20:56	107-06-2	
1,2-Dichloroethene (Total)	**57.1**	ug/L	5.0	0.49	1		01/07/11 20:56	540-59-0	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		01/07/11 20:56	75-35-4	
cis-1,2-Dichloroethene	**56.7**	ug/L	5.0	0.19	1		01/07/11 20:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		01/07/11 20:56	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/07/11 20:56	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		01/07/11 20:56	10061-01-5	

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ANALYTICAL RESULTS

Project: TOWN OF KERNERSVILLE
Pace Project No.: 9284986

Sample: 3404-MW3D **Lab ID: 9284986003** Collected: 12/29/10 14:22 Received: 12/30/10 11:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		01/07/11 20:56	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/07/11 20:56	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		01/07/11 20:56	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		01/07/11 20:56	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		01/07/11 20:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		01/07/11 20:56	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		01/07/11 20:56	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		01/07/11 20:56	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		01/07/11 20:56	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/07/11 20:56	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/07/11 20:56	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/07/11 20:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/07/11 20:56	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		01/07/11 20:56	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/07/11 20:56	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/07/11 20:56	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		01/07/11 20:56	108-05-4	
Vinyl chloride	**4.7**	ug/L	1.0	0.62	1		01/07/11 20:56	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		01/07/11 20:56	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/07/11 20:56	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/07/11 20:56	95-47-6	
4-Bromofluorobenzene (S)	95	%	70-130		1		01/07/11 20:56	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		01/07/11 20:56	1868-53-7	
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		01/07/11 20:56	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		01/07/11 20:56	2037-26-5	

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ANALYTICAL RESULTS

Project: TOWN OF KERNERSVILLE
Pace Project No.: 9284986

Sample: 3404-MW4 **Lab ID: 9284986004** Collected: 12/29/10 13:14 Received: 12/30/10 11:55 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								
Antimony	ND	ug/L	6.0	2.6	1	01/06/11 12:00	01/08/11 01:39	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	01/06/11 12:00	01/08/11 01:39	7440-38-2	
Barium	**92.1J**	ug/L	100	0.20	1	01/06/11 12:00	01/08/11 01:39	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	01/06/11 12:00	01/08/11 01:39	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	01/06/11 12:00	01/08/11 01:39	7440-43-9	
Chromium	**5.5J**	ug/L	10.0	0.40	1	01/06/11 12:00	01/08/11 01:39	7440-47-3	
Cobalt	**1.6J**	ug/L	10.0	0.60	1	01/06/11 12:00	01/08/11 01:39	7440-48-4	
Copper	**1.5J**	ug/L	10.0	0.30	1	01/06/11 12:00	01/08/11 01:39	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	01/06/11 12:00	01/08/11 01:39	7439-92-1	
Nickel	ND	ug/L	50.0	1.7	1	01/06/11 12:00	01/08/11 01:39	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	01/06/11 12:00	01/08/11 01:39	7782-49-2	
Silver	**0.23J**	ug/L	10.0	0.10	1	01/06/11 12:00	01/08/11 01:39	7440-22-4	
Thallium	**4.8J**	ug/L	5.5	3.0	1	01/06/11 12:00	01/08/11 01:39	7440-28-0	
Vanadium	**5.5J**	ug/L	25.0	0.20	1	01/06/11 12:00	01/08/11 01:39	7440-62-2	
Zinc	**4.6J**	ug/L	10.0	0.40	1	01/06/11 12:00	01/08/11 01:39	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		01/07/11 21:21	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		01/07/11 21:21	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		01/07/11 21:21	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		01/07/11 21:21	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/07/11 21:21	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		01/07/11 21:21	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		01/07/11 21:21	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		01/07/11 21:21	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		01/07/11 21:21	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/07/11 21:21	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		01/07/11 21:21	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		01/07/11 21:21	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		01/07/11 21:21	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		01/07/11 21:21	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		01/07/11 21:21	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		01/07/11 21:21	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/07/11 21:21	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		01/07/11 21:21	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		01/07/11 21:21	95-50-1	
1,4-Dichlorobenzene	**1.9**	ug/L	1.0	0.33	1		01/07/11 21:21	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		01/07/11 21:21	110-57-6	
1,1-Dichloroethane	**2.6J**	ug/L	5.0	0.32	1		01/07/11 21:21	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		01/07/11 21:21	107-06-2	
1,2-Dichloroethene (Total)	**24.1**	ug/L	5.0	0.49	1		01/07/11 21:21	540-59-0	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		01/07/11 21:21	75-35-4	
cis-1,2-Dichloroethene	**24.1**	ug/L	5.0	0.19	1		01/07/11 21:21	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		01/07/11 21:21	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/07/11 21:21	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		01/07/11 21:21	10061-01-5	

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ANALYTICAL RESULTS

Project: TOWN OF KERNERSVILLE
Pace Project No.: 9284986

Sample: 3404-MW4 **Lab ID: 9284986004** Collected: 12/29/10 13:14 Received: 12/30/10 11:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		01/07/11 21:21	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/07/11 21:21	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		01/07/11 21:21	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		01/07/11 21:21	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		01/07/11 21:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		01/07/11 21:21	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		01/07/11 21:21	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		01/07/11 21:21	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		01/07/11 21:21	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/07/11 21:21	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/07/11 21:21	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/07/11 21:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/07/11 21:21	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		01/07/11 21:21	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/07/11 21:21	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/07/11 21:21	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		01/07/11 21:21	108-05-4	
Vinyl chloride	**25.6**	ug/L	1.0	0.62	1		01/07/11 21:21	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		01/07/11 21:21	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/07/11 21:21	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/07/11 21:21	95-47-6	
4-Bromofluorobenzene (S)	97	%	70-130		1		01/07/11 21:21	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		01/07/11 21:21	1868-53-7	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		01/07/11 21:21	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		01/07/11 21:21	2037-26-5	

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ANALYTICAL RESULTS

Project: TOWN OF KERNERSVILLE
Pace Project No.: 9284986

Sample: 3404-MW5 **Lab ID: 9284986005** Collected: 12/29/10 16:11 Received: 12/30/10 11:55 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								
Antimony	ND	ug/L	6.0	2.6	1	01/12/11 11:30	01/14/11 03:04	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	01/12/11 11:30	01/14/11 03:04	7440-38-2	
Barium	**72.6J**	ug/L	100	0.20	1	01/12/11 11:30	01/14/11 03:04	7440-39-3	
Beryllium	**0.48J**	ug/L	1.0	0.10	1	01/12/11 11:30	01/14/11 03:04	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	01/12/11 11:30	01/14/11 03:04	7440-43-9	
Chromium	**3.8J**	ug/L	10.0	0.40	1	01/12/11 11:30	01/14/11 03:04	7440-47-3	
Cobalt	**10.2**	ug/L	10.0	0.60	1	01/12/11 11:30	01/14/11 03:04	7440-48-4	
Copper	**7.9J**	ug/L	10.0	0.30	1	01/12/11 11:30	01/14/11 03:04	7440-50-8	
Lead	**6.5J**	ug/L	10.0	4.0	1	01/12/11 11:30	01/14/11 03:04	7439-92-1	
Nickel	**2.0J**	ug/L	50.0	1.7	1	01/12/11 11:30	01/14/11 03:04	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	01/12/11 11:30	01/14/11 14:49	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	01/12/11 11:30	01/14/11 03:04	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	01/12/11 11:30	01/14/11 14:49	7440-28-0	
Vanadium	**14.5J**	ug/L	25.0	0.20	1	01/12/11 11:30	01/14/11 03:04	7440-62-2	
Zinc	**38.1**	ug/L	10.0	0.40	1	01/12/11 11:30	01/14/11 14:49	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		01/07/11 21:47	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		01/07/11 21:47	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		01/07/11 21:47	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		01/07/11 21:47	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/07/11 21:47	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		01/07/11 21:47	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		01/07/11 21:47	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		01/07/11 21:47	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		01/07/11 21:47	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/07/11 21:47	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		01/07/11 21:47	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		01/07/11 21:47	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		01/07/11 21:47	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		01/07/11 21:47	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		01/07/11 21:47	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		01/07/11 21:47	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/07/11 21:47	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		01/07/11 21:47	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		01/07/11 21:47	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/07/11 21:47	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		01/07/11 21:47	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		01/07/11 21:47	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		01/07/11 21:47	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	5.0	0.49	1		01/07/11 21:47	540-59-0	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		01/07/11 21:47	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		01/07/11 21:47	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		01/07/11 21:47	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/07/11 21:47	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		01/07/11 21:47	10061-01-5	

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ANALYTICAL RESULTS

Project: TOWN OF KERNERSVILLE
Pace Project No.: 9284986

Sample: 3404-MW5 **Lab ID: 9284986005** Collected: 12/29/10 16:11 Received: 12/30/10 11:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		01/07/11 21:47	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/07/11 21:47	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		01/07/11 21:47	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		01/07/11 21:47	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		01/07/11 21:47	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		01/07/11 21:47	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		01/07/11 21:47	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		01/07/11 21:47	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		01/07/11 21:47	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/07/11 21:47	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/07/11 21:47	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/07/11 21:47	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/07/11 21:47	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		01/07/11 21:47	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/07/11 21:47	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/07/11 21:47	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		01/07/11 21:47	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		01/07/11 21:47	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		01/07/11 21:47	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/07/11 21:47	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/07/11 21:47	95-47-6	
4-Bromofluorobenzene (S)	100	%	70-130		1		01/07/11 21:47	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		01/07/11 21:47	1868-53-7	
1,2-Dichloroethane-d4 (S)	103	%	70-130		1		01/07/11 21:47	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		01/07/11 21:47	2037-26-5	

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ANALYTICAL RESULTS

Project: TOWN OF KERNERSVILLE
Pace Project No.: 9284986

Sample: 3404-MW6 **Lab ID: 9284986006** Collected: 12/30/10 09:10 Received: 12/30/10 11:55 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								
Antimony	ND	ug/L	6.0	2.6	1	01/12/11 11:30	01/14/11 03:11	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	01/12/11 11:30	01/14/11 03:11	7440-38-2	
Barium	**46.3J**	ug/L	100	0.20	1	01/12/11 11:30	01/14/11 03:11	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	01/12/11 11:30	01/14/11 03:11	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	01/12/11 11:30	01/14/11 03:11	7440-43-9	
Chromium	**0.48J**	ug/L	10.0	0.40	1	01/12/11 11:30	01/14/11 03:11	7440-47-3	
Cobalt	ND	ug/L	10.0	0.60	1	01/12/11 11:30	01/14/11 03:11	7440-48-4	
Copper	ND	ug/L	10.0	0.30	1	01/12/11 11:30	01/14/11 03:11	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	01/12/11 11:30	01/14/11 03:11	7439-92-1	
Nickel	ND	ug/L	50.0	1.7	1	01/12/11 11:30	01/14/11 03:11	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	01/12/11 11:30	01/14/11 14:52	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	01/12/11 11:30	01/14/11 03:11	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	01/12/11 11:30	01/14/11 14:52	7440-28-0	
Vanadium	**1.2J**	ug/L	25.0	0.20	1	01/12/11 11:30	01/14/11 03:11	7440-62-2	
Zinc	**12.2**	ug/L	10.0	0.40	1	01/12/11 11:30	01/14/11 14:52	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		01/07/11 22:13	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		01/07/11 22:13	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		01/07/11 22:13	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		01/07/11 22:13	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/07/11 22:13	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		01/07/11 22:13	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		01/07/11 22:13	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		01/07/11 22:13	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		01/07/11 22:13	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/07/11 22:13	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		01/07/11 22:13	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		01/07/11 22:13	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		01/07/11 22:13	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		01/07/11 22:13	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		01/07/11 22:13	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		01/07/11 22:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/07/11 22:13	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		01/07/11 22:13	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		01/07/11 22:13	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/07/11 22:13	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		01/07/11 22:13	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		01/07/11 22:13	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		01/07/11 22:13	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	5.0	0.49	1		01/07/11 22:13	540-59-0	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		01/07/11 22:13	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		01/07/11 22:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		01/07/11 22:13	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/07/11 22:13	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		01/07/11 22:13	10061-01-5	

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ANALYTICAL RESULTS

Project: TOWN OF KERNERSVILLE
Pace Project No.: 9284986

Sample: 3404-MW6 **Lab ID: 9284986006** Collected: 12/30/10 09:10 Received: 12/30/10 11:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		01/07/11 22:13	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/07/11 22:13	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		01/07/11 22:13	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		01/07/11 22:13	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		01/07/11 22:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		01/07/11 22:13	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		01/07/11 22:13	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		01/07/11 22:13	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		01/07/11 22:13	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/07/11 22:13	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/07/11 22:13	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/07/11 22:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/07/11 22:13	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		01/07/11 22:13	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/07/11 22:13	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/07/11 22:13	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		01/07/11 22:13	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		01/07/11 22:13	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		01/07/11 22:13	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/07/11 22:13	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/07/11 22:13	95-47-6	
4-Bromofluorobenzene (S)	95	%	70-130		1		01/07/11 22:13	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		01/07/11 22:13	1868-53-7	
1,2-Dichloroethane-d4 (S)	95	%	70-130		1		01/07/11 22:13	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		01/07/11 22:13	2037-26-5	

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ANALYTICAL RESULTS

Project: TOWN OF KERNERSVILLE
Pace Project No.: 9284986

Sample: 3404-SW1 **Lab ID: 9284986007** Collected: 12/29/10 15:30 Received: 12/30/10 11:55 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								
Antimony	ND	ug/L	6.0	2.6	1	01/12/11 11:30	01/14/11 03:28	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	01/12/11 11:30	01/14/11 03:28	7440-38-2	
Barium	**22.3J**	ug/L	100	0.20	1	01/12/11 11:30	01/14/11 03:28	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	01/12/11 11:30	01/14/11 03:28	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	01/12/11 11:30	01/14/11 03:28	7440-43-9	
Chromium	**0.69J**	ug/L	10.0	0.40	1	01/12/11 11:30	01/14/11 03:28	7440-47-3	
Cobalt	ND	ug/L	10.0	0.60	1	01/12/11 11:30	01/14/11 03:28	7440-48-4	
Copper	**0.38J**	ug/L	10.0	0.30	1	01/12/11 11:30	01/14/11 03:28	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	01/12/11 11:30	01/14/11 03:28	7439-92-1	
Nickel	ND	ug/L	50.0	1.7	1	01/12/11 11:30	01/14/11 03:28	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	01/12/11 11:30	01/14/11 03:28	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	01/12/11 11:30	01/14/11 03:28	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	01/12/11 11:30	01/14/11 14:55	7440-28-0	
Vanadium	**0.67J**	ug/L	25.0	0.20	1	01/12/11 11:30	01/14/11 03:28	7440-62-2	
Zinc	ND	ug/L	10.0	0.40	1	01/12/11 11:30	01/14/11 14:55	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		01/07/11 22:39	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		01/07/11 22:39	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		01/07/11 22:39	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		01/07/11 22:39	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/07/11 22:39	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		01/07/11 22:39	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		01/07/11 22:39	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		01/07/11 22:39	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		01/07/11 22:39	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/07/11 22:39	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		01/07/11 22:39	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		01/07/11 22:39	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		01/07/11 22:39	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		01/07/11 22:39	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		01/07/11 22:39	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		01/07/11 22:39	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/07/11 22:39	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		01/07/11 22:39	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		01/07/11 22:39	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/07/11 22:39	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		01/07/11 22:39	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		01/07/11 22:39	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		01/07/11 22:39	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	5.0	0.49	1		01/07/11 22:39	540-59-0	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		01/07/11 22:39	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		01/07/11 22:39	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		01/07/11 22:39	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/07/11 22:39	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		01/07/11 22:39	10061-01-5	

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ANALYTICAL RESULTS

Project: TOWN OF KERNERSVILLE
Pace Project No.: 9284986

Sample: 3404-SW1 **Lab ID: 9284986007** Collected: 12/29/10 15:30 Received: 12/30/10 11:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		01/07/11 22:39	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/07/11 22:39	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		01/07/11 22:39	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		01/07/11 22:39	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		01/07/11 22:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		01/07/11 22:39	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		01/07/11 22:39	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		01/07/11 22:39	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		01/07/11 22:39	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/07/11 22:39	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/07/11 22:39	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/07/11 22:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/07/11 22:39	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		01/07/11 22:39	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/07/11 22:39	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/07/11 22:39	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		01/07/11 22:39	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		01/07/11 22:39	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		01/07/11 22:39	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/07/11 22:39	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/07/11 22:39	95-47-6	
4-Bromofluorobenzene (S)	98	%	70-130		1		01/07/11 22:39	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		01/07/11 22:39	1868-53-7	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		01/07/11 22:39	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		01/07/11 22:39	2037-26-5	

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ANALYTICAL RESULTS

Project: TOWN OF KERNERSVILLE
Pace Project No.: 9284986

Sample: 3404-SW2 **Lab ID: 9284986008** Collected: 12/29/10 12:45 Received: 12/30/10 11:55 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								
Antimony	ND	ug/L	6.0	2.6	1	01/12/11 11:30	01/14/11 03:32	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	01/12/11 11:30	01/14/11 03:32	7440-38-2	
Barium	**27.8J**	ug/L	100	0.20	1	01/12/11 11:30	01/14/11 03:32	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	01/12/11 11:30	01/14/11 03:32	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	01/12/11 11:30	01/14/11 03:32	7440-43-9	
Chromium	**0.53J**	ug/L	10.0	0.40	1	01/12/11 11:30	01/14/11 03:32	7440-47-3	
Cobalt	**1.8J**	ug/L	10.0	0.60	1	01/12/11 11:30	01/14/11 03:32	7440-48-4	
Copper	ND	ug/L	10.0	0.30	1	01/12/11 11:30	01/14/11 03:32	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	01/12/11 11:30	01/14/11 03:32	7439-92-1	
Nickel	ND	ug/L	50.0	1.7	1	01/12/11 11:30	01/14/11 03:32	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	01/12/11 11:30	01/14/11 03:32	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	01/12/11 11:30	01/14/11 03:32	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	01/12/11 11:30	01/14/11 14:58	7440-28-0	
Vanadium	**0.37J**	ug/L	25.0	0.20	1	01/12/11 11:30	01/14/11 03:32	7440-62-2	
Zinc	**1.2J**	ug/L	10.0	0.40	1	01/12/11 11:30	01/14/11 14:58	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		01/07/11 23:04	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		01/07/11 23:04	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		01/07/11 23:04	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		01/07/11 23:04	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/07/11 23:04	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		01/07/11 23:04	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		01/07/11 23:04	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		01/07/11 23:04	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		01/07/11 23:04	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/07/11 23:04	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		01/07/11 23:04	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		01/07/11 23:04	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		01/07/11 23:04	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		01/07/11 23:04	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		01/07/11 23:04	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		01/07/11 23:04	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/07/11 23:04	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		01/07/11 23:04	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		01/07/11 23:04	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/07/11 23:04	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		01/07/11 23:04	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		01/07/11 23:04	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		01/07/11 23:04	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	5.0	0.49	1		01/07/11 23:04	540-59-0	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		01/07/11 23:04	75-35-4	
cis-1,2-Dichloroethene	**0.39J**	ug/L	5.0	0.19	1		01/07/11 23:04	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		01/07/11 23:04	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/07/11 23:04	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		01/07/11 23:04	10061-01-5	

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ANALYTICAL RESULTS

Project: TOWN OF KERNERSVILLE
Pace Project No.: 9284986

Sample: 3404-SW2 **Lab ID: 9284986008** Collected: 12/29/10 12:45 Received: 12/30/10 11:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		01/07/11 23:04	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/07/11 23:04	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		01/07/11 23:04	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		01/07/11 23:04	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		01/07/11 23:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		01/07/11 23:04	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		01/07/11 23:04	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		01/07/11 23:04	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		01/07/11 23:04	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/07/11 23:04	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/07/11 23:04	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/07/11 23:04	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/07/11 23:04	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		01/07/11 23:04	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/07/11 23:04	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/07/11 23:04	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		01/07/11 23:04	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		01/07/11 23:04	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		01/07/11 23:04	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/07/11 23:04	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/07/11 23:04	95-47-6	
4-Bromofluorobenzene (S)	99	%	70-130		1		01/07/11 23:04	460-00-4	
Dibromofluoromethane (S)	110	%	70-130		1		01/07/11 23:04	1868-53-7	
1,2-Dichloroethane-d4 (S)	104	%	70-130		1		01/07/11 23:04	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		01/07/11 23:04	2037-26-5	

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ANALYTICAL RESULTS

Project: TOWN OF KERNERSVILLE
Pace Project No.: 9284986

Sample: 3404-SW3 **Lab ID: 9284986009** Collected: 12/29/10 14:50 Received: 12/30/10 11:55 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								
Antimony	ND	ug/L	6.0	2.6	1	01/12/11 11:30	01/14/11 03:35	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	01/12/11 11:30	01/14/11 03:35	7440-38-2	
Barium	**27.9J**	ug/L	100	0.20	1	01/12/11 11:30	01/14/11 03:35	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	01/12/11 11:30	01/14/11 03:35	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	01/12/11 11:30	01/14/11 03:35	7440-43-9	
Chromium	**0.41J**	ug/L	10.0	0.40	1	01/12/11 11:30	01/14/11 03:35	7440-47-3	
Cobalt	**1.9J**	ug/L	10.0	0.60	1	01/12/11 11:30	01/14/11 03:35	7440-48-4	
Copper	ND	ug/L	10.0	0.30	1	01/12/11 11:30	01/14/11 03:35	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	01/12/11 11:30	01/14/11 03:35	7439-92-1	
Nickel	ND	ug/L	50.0	1.7	1	01/12/11 11:30	01/14/11 03:35	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	01/12/11 11:30	01/14/11 03:35	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	01/12/11 11:30	01/14/11 03:35	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	01/12/11 11:30	01/14/11 15:02	7440-28-0	
Vanadium	**0.62J**	ug/L	25.0	0.20	1	01/12/11 11:30	01/14/11 03:35	7440-62-2	
Zinc	**1.2J**	ug/L	10.0	0.40	1	01/12/11 11:30	01/14/11 15:02	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		01/07/11 23:30	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		01/07/11 23:30	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		01/07/11 23:30	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		01/07/11 23:30	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/07/11 23:30	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		01/07/11 23:30	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		01/07/11 23:30	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		01/07/11 23:30	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		01/07/11 23:30	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/07/11 23:30	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		01/07/11 23:30	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		01/07/11 23:30	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		01/07/11 23:30	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		01/07/11 23:30	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		01/07/11 23:30	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		01/07/11 23:30	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/07/11 23:30	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		01/07/11 23:30	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		01/07/11 23:30	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/07/11 23:30	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		01/07/11 23:30	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		01/07/11 23:30	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		01/07/11 23:30	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	5.0	0.49	1		01/07/11 23:30	540-59-0	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		01/07/11 23:30	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		01/07/11 23:30	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		01/07/11 23:30	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/07/11 23:30	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		01/07/11 23:30	10061-01-5	

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ANALYTICAL RESULTS

Project: TOWN OF KERNERSVILLE
Pace Project No.: 9284986

Sample: 3404-SW3 **Lab ID: 9284986009** Collected: 12/29/10 14:50 Received: 12/30/10 11:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		01/07/11 23:30	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/07/11 23:30	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		01/07/11 23:30	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		01/07/11 23:30	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		01/07/11 23:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		01/07/11 23:30	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		01/07/11 23:30	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		01/07/11 23:30	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		01/07/11 23:30	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/07/11 23:30	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/07/11 23:30	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/07/11 23:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/07/11 23:30	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		01/07/11 23:30	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/07/11 23:30	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/07/11 23:30	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		01/07/11 23:30	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		01/07/11 23:30	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		01/07/11 23:30	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/07/11 23:30	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/07/11 23:30	95-47-6	
4-Bromofluorobenzene (S)	98	%	70-130		1		01/07/11 23:30	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		01/07/11 23:30	1868-53-7	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		01/07/11 23:30	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		01/07/11 23:30	2037-26-5	

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ANALYTICAL RESULTS

Project: TOWN OF KERNERSVILLE
Pace Project No.: 9284986

Sample: FIELD BLANK **Lab ID: 9284986010** Collected: 12/30/10 09:30 Received: 12/30/10 11:55 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								
Antimony	ND	ug/L	6.0	2.6	1	01/12/11 11:30	01/14/11 03:39	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	01/12/11 11:30	01/14/11 03:39	7440-38-2	
Barium	**11.3J**	ug/L	100	0.20	1	01/12/11 11:30	01/14/11 03:39	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	01/12/11 11:30	01/14/11 03:39	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	01/12/11 11:30	01/14/11 03:39	7440-43-9	
Chromium	ND	ug/L	10.0	0.40	1	01/12/11 11:30	01/14/11 03:39	7440-47-3	
Cobalt	ND	ug/L	10.0	0.60	1	01/12/11 11:30	01/14/11 03:39	7440-48-4	
Copper	ND	ug/L	10.0	0.30	1	01/12/11 11:30	01/14/11 03:39	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	01/12/11 11:30	01/14/11 03:39	7439-92-1	
Nickel	**3.1J**	ug/L	50.0	1.7	1	01/12/11 11:30	01/14/11 03:39	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	01/12/11 11:30	01/14/11 03:39	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	01/12/11 11:30	01/14/11 03:39	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	01/12/11 11:30	01/14/11 15:15	7440-28-0	
Vanadium	**0.26J**	ug/L	25.0	0.20	1	01/12/11 11:30	01/14/11 03:39	7440-62-2	
Zinc	**12.5**	ug/L	10.0	0.40	1	01/12/11 11:30	01/14/11 15:15	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		01/07/11 23:56	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		01/07/11 23:56	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		01/07/11 23:56	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		01/07/11 23:56	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/07/11 23:56	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		01/07/11 23:56	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		01/07/11 23:56	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		01/07/11 23:56	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		01/07/11 23:56	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/07/11 23:56	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		01/07/11 23:56	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		01/07/11 23:56	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		01/07/11 23:56	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		01/07/11 23:56	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		01/07/11 23:56	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		01/07/11 23:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/07/11 23:56	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		01/07/11 23:56	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		01/07/11 23:56	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/07/11 23:56	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		01/07/11 23:56	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		01/07/11 23:56	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		01/07/11 23:56	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	5.0	0.49	1		01/07/11 23:56	540-59-0	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		01/07/11 23:56	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		01/07/11 23:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		01/07/11 23:56	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/07/11 23:56	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		01/07/11 23:56	10061-01-5	

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ANALYTICAL RESULTS

Project: TOWN OF KERNERSVILLE
Pace Project No.: 9284986

Sample: FIELD BLANK **Lab ID: 9284986010** Collected: 12/30/10 09:30 Received: 12/30/10 11:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		01/07/11 23:56	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/07/11 23:56	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		01/07/11 23:56	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		01/07/11 23:56	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		01/07/11 23:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		01/07/11 23:56	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		01/07/11 23:56	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		01/07/11 23:56	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		01/07/11 23:56	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/07/11 23:56	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/07/11 23:56	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/07/11 23:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/07/11 23:56	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		01/07/11 23:56	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/07/11 23:56	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/07/11 23:56	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		01/07/11 23:56	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		01/07/11 23:56	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		01/07/11 23:56	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/07/11 23:56	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/07/11 23:56	95-47-6	
4-Bromofluorobenzene (S)	99	%	70-130		1		01/07/11 23:56	460-00-4	
Dibromofluoromethane (S)	111	%	70-130		1		01/07/11 23:56	1868-53-7	
1,2-Dichloroethane-d4 (S)	105	%	70-130		1		01/07/11 23:56	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		01/07/11 23:56	2037-26-5	

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ANALYTICAL RESULTS

Project: TOWN OF KERNERSVILLE
Pace Project No.: 9284986

Sample: TRIP BLANK **Lab ID: 9284986011** Collected: 12/29/10 09:45 Received: 12/30/10 11:55 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		01/08/11 00:21	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		01/08/11 00:21	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		01/08/11 00:21	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		01/08/11 00:21	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/08/11 00:21	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		01/08/11 00:21	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		01/08/11 00:21	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		01/08/11 00:21	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		01/08/11 00:21	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/08/11 00:21	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		01/08/11 00:21	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		01/08/11 00:21	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		01/08/11 00:21	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		01/08/11 00:21	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		01/08/11 00:21	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		01/08/11 00:21	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/08/11 00:21	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		01/08/11 00:21	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		01/08/11 00:21	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/08/11 00:21	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		01/08/11 00:21	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		01/08/11 00:21	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		01/08/11 00:21	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	5.0	0.49	1		01/08/11 00:21	540-59-0	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		01/08/11 00:21	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		01/08/11 00:21	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		01/08/11 00:21	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/08/11 00:21	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		01/08/11 00:21	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		01/08/11 00:21	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/08/11 00:21	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		01/08/11 00:21	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		01/08/11 00:21	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		01/08/11 00:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		01/08/11 00:21	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		01/08/11 00:21	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		01/08/11 00:21	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		01/08/11 00:21	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/08/11 00:21	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/08/11 00:21	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/08/11 00:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/08/11 00:21	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		01/08/11 00:21	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/08/11 00:21	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/08/11 00:21	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		01/08/11 00:21	108-05-4	

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ANALYTICAL RESULTS

Project: TOWN OF KERNERSVILLE
Pace Project No.: 9284986

Sample: TRIP BLANK **Lab ID: 9284986011** Collected: 12/29/10 09:45 Received: 12/30/10 11:55 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		01/08/11 00:21	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		01/08/11 00:21	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/08/11 00:21	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/08/11 00:21	95-47-6	
4-Bromofluorobenzene (S)	98	%	70-130		1		01/08/11 00:21	460-00-4	
Dibromofluoromethane (S)	111	%	70-130		1		01/08/11 00:21	1868-53-7	
1,2-Dichloroethane-d4 (S)	104	%	70-130		1		01/08/11 00:21	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		01/08/11 00:21	2037-26-5	

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QUALITY CONTROL DATA

Project: TOWN OF KERNERSVILLE
Pace Project No.: 9284986

QC Batch: MPRP/7691 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 9284986001, 9284986002, 9284986003, 9284986004

METHOD BLANK: 549062 Matrix: Water
Associated Lab Samples: 9284986001, 9284986002, 9284986003, 9284986004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	6.0	01/07/11 23:40	
Arsenic	ug/L	ND	10.0	01/07/11 23:40	
Barium	ug/L	ND	100	01/07/11 23:40	
Beryllium	ug/L	ND	1.0	01/07/11 23:40	
Cadmium	ug/L	ND	1.0	01/07/11 23:40	
Chromium	ug/L	ND	10.0	01/07/11 23:40	
Cobalt	ug/L	ND	10.0	01/07/11 23:40	
Copper	ug/L	ND	10.0	01/07/11 23:40	
Lead	ug/L	ND	10.0	01/07/11 23:40	
Nickel	ug/L	ND	50.0	01/07/11 23:40	
Selenium	ug/L	ND	10.0	01/07/11 23:40	
Silver	ug/L	ND	10.0	01/07/11 23:40	
Thallium	ug/L	ND	5.5	01/07/11 23:40	
Vanadium	ug/L	ND	25.0	01/07/11 23:40	
Zinc	ug/L	ND	10.0	01/07/11 23:40	

LABORATORY CONTROL SAMPLE: 549063

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	472	94	80-120	
Arsenic	ug/L	500	481	96	80-120	
Barium	ug/L	500	471	94	80-120	
Beryllium	ug/L	500	478	96	80-120	
Cadmium	ug/L	500	488	98	80-120	
Chromium	ug/L	500	481	96	80-120	
Cobalt	ug/L	500	483	97	80-120	
Copper	ug/L	500	474	95	80-120	
Lead	ug/L	500	489	98	80-120	
Nickel	ug/L	500	484	97	80-120	
Selenium	ug/L	500	467	93	80-120	
Silver	ug/L	250	242	97	80-120	
Thallium	ug/L	500	462	92	80-120	
Vanadium	ug/L	500	482	96	80-120	
Zinc	ug/L	500	482	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 549064 549065

Parameter	Units	9284896003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	500	500	472	483	94	96	75-125	2	25	

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QUALITY CONTROL DATA

Project: TOWN OF KERNERSVILLE
Pace Project No.: 9284986

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 549064 549065

Parameter	Units	9284896003 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	505	99	101	75-125	2	25	
Barium	ug/L	31.2J	500	500	494	504	93	95	75-125	2	25	
Beryllium	ug/L	ND	500	500	477	486	95	97	75-125	2	25	
Cadmium	ug/L	ND	500	500	477	487	95	97	75-125	2	25	
Chromium	ug/L	0.53J	500	500	470	482	94	96	75-125	3	25	
Cobalt	ug/L	ND	500	500	473	481	95	96	75-125	2	25	
Copper	ug/L	0.65J	500	500	483	493	96	98	75-125	2	25	
Lead	ug/L	ND	500	500	466	476	93	95	75-125	2	25	
Nickel	ug/L	ND	500	500	474	482	95	96	75-125	2	25	
Selenium	ug/L	ND	500	500	475	492	95	98	75-125	4	25	
Silver	ug/L	ND	250	250	241	246	96	98	75-125	2	25	
Thallium	ug/L	ND	500	500	453	469	91	94	75-125	3	25	
Vanadium	ug/L	1.5J	500	500	480	491	96	98	75-125	2	25	
Zinc	ug/L	2.0J	500	500	485	496	97	99	75-125	2	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 549066 549067

Parameter	Units	9284986003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	500	500	471	485	94	97	75-125	3	25	
Arsenic	ug/L	ND	500	500	483	499	96	99	75-125	3	25	
Barium	ug/L	38.0J	500	500	491	506	91	94	75-125	3	25	
Beryllium	ug/L	ND	500	500	462	475	92	95	75-125	3	25	
Cadmium	ug/L	ND	500	500	469	481	94	96	75-125	3	25	
Chromium	ug/L	ND	500	500	463	474	93	95	75-125	2	25	
Cobalt	ug/L	ND	500	500	462	475	92	95	75-125	3	25	
Copper	ug/L	0.59J	500	500	479	488	96	97	75-125	2	25	
Lead	ug/L	ND	500	500	458	472	92	94	75-125	3	25	
Nickel	ug/L	ND	500	500	463	473	93	95	75-125	2	25	
Selenium	ug/L	ND	500	500	465	485	93	97	75-125	4	25	
Silver	ug/L	0.19J	250	250	237	244	95	98	75-125	3	25	
Thallium	ug/L	ND	500	500	443	459	88	92	75-125	4	25	
Vanadium	ug/L	1.6J	500	500	469	484	93	96	75-125	3	25	
Zinc	ug/L	ND	500	500	474	487	95	97	75-125	3	25	

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QUALITY CONTROL DATA

Project: TOWN OF KERNERSVILLE
Pace Project No.: 9284986

QC Batch: MPRP/7707 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 9284986005, 9284986006, 9284986007, 9284986008, 9284986009, 9284986010

METHOD BLANK: 550449 Matrix: Water
Associated Lab Samples: 9284986005, 9284986006, 9284986007, 9284986008, 9284986009, 9284986010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	6.0	01/14/11 02:56	
Arsenic	ug/L	ND	10.0	01/14/11 02:56	
Barium	ug/L	ND	100	01/14/11 02:56	
Beryllium	ug/L	ND	1.0	01/14/11 02:56	
Cadmium	ug/L	ND	1.0	01/14/11 02:56	
Chromium	ug/L	ND	10.0	01/14/11 02:56	
Cobalt	ug/L	ND	10.0	01/14/11 02:56	
Copper	ug/L	ND	10.0	01/14/11 02:56	
Lead	ug/L	ND	10.0	01/14/11 02:56	
Nickel	ug/L	ND	50.0	01/14/11 02:56	
Selenium	ug/L	ND	10.0	01/14/11 02:56	
Silver	ug/L	ND	10.0	01/14/11 02:56	
Thallium	ug/L	ND	5.5	01/14/11 02:56	
Vanadium	ug/L	ND	25.0	01/14/11 02:56	
Zinc	ug/L	ND	10.0	01/14/11 02:56	

LABORATORY CONTROL SAMPLE: 550450

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	456	91	80-120	
Arsenic	ug/L	500	459	92	80-120	
Barium	ug/L	500	469	94	80-120	
Beryllium	ug/L	500	479	96	80-120	
Cadmium	ug/L	500	464	93	80-120	
Chromium	ug/L	500	461	92	80-120	
Cobalt	ug/L	500	467	93	80-120	
Copper	ug/L	500	471	94	80-120	
Lead	ug/L	500	465	93	80-120	
Nickel	ug/L	500	464	93	80-120	
Selenium	ug/L	500	457	91	80-120	
Silver	ug/L	250	234	94	80-120	
Thallium	ug/L	500	437	87	80-120	
Vanadium	ug/L	500	459	92	80-120	
Zinc	ug/L	500	469	94	80-120	

MATRIX SPIKE SAMPLE: 550451

Parameter	Units	9284986005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	ND	500	444	89	75-125	
Arsenic	ug/L	ND	500	459	91	75-125	

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QUALITY CONTROL DATA

Project: TOWN OF KERNERSVILLE
Pace Project No.: 9284986

MATRIX SPIKE SAMPLE: 550451

Parameter	Units	9284986005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	72.6J	500	534	92	75-125	
Beryllium	ug/L	0.48J	500	474	95	75-125	
Cadmium	ug/L	ND	500	454	91	75-125	
Chromium	ug/L	3.8J	500	461	91	75-125	
Cobalt	ug/L	10.2	500	463	91	75-125	
Copper	ug/L	7.9J	500	479	94	75-125	
Lead	ug/L	6.5J	500	456	90	75-125	
Nickel	ug/L	2.0J	500	458	91	75-125	
Selenium	ug/L	ND	500	456	91	75-125	
Silver	ug/L	ND	250	232	93	75-125	
Thallium	ug/L	ND	500	429	86	75-125	
Vanadium	ug/L	14.5J	500	472	92	75-125	
Zinc	ug/L	38.1	500	508	94	75-125	

SAMPLE DUPLICATE: 550452

Parameter	Units	9284986006 Result	Dup Result	RPD	Max RPD	Qualifiers
Antimony	ug/L	ND	ND		25	
Arsenic	ug/L	ND	ND		25	
Barium	ug/L	46.3J	47.3J	2	25	
Beryllium	ug/L	ND	ND		25	
Cadmium	ug/L	ND	ND		25	
Chromium	ug/L	0.48J	0.73J		25	
Cobalt	ug/L	ND	ND		25	
Copper	ug/L	ND	ND		25	
Lead	ug/L	ND	ND		25	
Nickel	ug/L	ND	ND		25	
Selenium	ug/L	ND	ND		25	
Silver	ug/L	ND	ND		25	
Thallium	ug/L	ND	ND		25	
Vanadium	ug/L	1.2J	1.3J		25	
Zinc	ug/L	12.2	7.6J		25	

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QUALITY CONTROL DATA

Project: TOWN OF KERNERSVILLE
Pace Project No.: 9284986

QC Batch: MSV/13686 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level Landfill
Associated Lab Samples: 9284986002, 9284986003, 9284986004, 9284986005, 9284986006, 9284986007, 9284986008, 9284986009, 9284986010, 9284986011

METHOD BLANK: 549824 Matrix: Water
Associated Lab Samples: 9284986002, 9284986003, 9284986004, 9284986005, 9284986006, 9284986007, 9284986008, 9284986009, 9284986010, 9284986011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	01/07/11 19:39	
1,1,1-Trichloroethane	ug/L	ND	1.0	01/07/11 19:39	
1,1,2,2-Tetrachloroethane	ug/L	ND	3.0	01/07/11 19:39	
1,1,2-Trichloroethane	ug/L	ND	1.0	01/07/11 19:39	
1,1-Dichloroethane	ug/L	ND	5.0	01/07/11 19:39	
1,1-Dichloroethene	ug/L	ND	5.0	01/07/11 19:39	
1,2,3-Trichloropropane	ug/L	ND	1.0	01/07/11 19:39	
1,2-Dibromo-3-chloropropane	ug/L	ND	13.0	01/07/11 19:39	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	01/07/11 19:39	
1,2-Dichlorobenzene	ug/L	ND	5.0	01/07/11 19:39	
1,2-Dichloroethane	ug/L	ND	1.0	01/07/11 19:39	
1,2-Dichloroethene (Total)	ug/L	ND	5.0	01/07/11 19:39	
1,2-Dichloropropane	ug/L	ND	1.0	01/07/11 19:39	
1,4-Dichlorobenzene	ug/L	ND	1.0	01/07/11 19:39	
2-Butanone (MEK)	ug/L	ND	100	01/07/11 19:39	
2-Hexanone	ug/L	ND	50.0	01/07/11 19:39	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	01/07/11 19:39	
Acetone	ug/L	ND	100	01/07/11 19:39	
Acrylonitrile	ug/L	ND	200	01/07/11 19:39	
Benzene	ug/L	ND	1.0	01/07/11 19:39	
Bromochloromethane	ug/L	ND	3.0	01/07/11 19:39	
Bromodichloromethane	ug/L	ND	1.0	01/07/11 19:39	
Bromoform	ug/L	ND	3.0	01/07/11 19:39	
Bromomethane	ug/L	ND	10.0	01/07/11 19:39	
Carbon disulfide	ug/L	ND	100	01/07/11 19:39	
Carbon tetrachloride	ug/L	ND	1.0	01/07/11 19:39	
Chlorobenzene	ug/L	ND	3.0	01/07/11 19:39	
Chloroethane	ug/L	ND	10.0	01/07/11 19:39	
Chloroform	ug/L	ND	5.0	01/07/11 19:39	
Chloromethane	ug/L	ND	1.0	01/07/11 19:39	
cis-1,2-Dichloroethene	ug/L	ND	5.0	01/07/11 19:39	
cis-1,3-Dichloropropene	ug/L	ND	1.0	01/07/11 19:39	
Dibromochloromethane	ug/L	ND	3.0	01/07/11 19:39	
Dibromomethane	ug/L	ND	10.0	01/07/11 19:39	
Ethylbenzene	ug/L	ND	1.0	01/07/11 19:39	
Iodomethane	ug/L	ND	10.0	01/07/11 19:39	
m&p-Xylene	ug/L	ND	2.0	01/07/11 19:39	
Methylene Chloride	ug/L	ND	1.0	01/07/11 19:39	
o-Xylene	ug/L	ND	1.0	01/07/11 19:39	
Styrene	ug/L	ND	1.0	01/07/11 19:39	
Tetrachloroethene	ug/L	ND	1.0	01/07/11 19:39	

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QUALITY CONTROL DATA

Project: TOWN OF KERNERSVILLE
Pace Project No.: 9284986

METHOD BLANK: 549824 Matrix: Water

Associated Lab Samples: 9284986002, 9284986003, 9284986004, 9284986005, 9284986006, 9284986007, 9284986008, 9284986009, 9284986010, 9284986011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene	ug/L	ND	1.0	01/07/11 19:39	
trans-1,2-Dichloroethene	ug/L	ND	5.0	01/07/11 19:39	
trans-1,3-Dichloropropene	ug/L	ND	1.0	01/07/11 19:39	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	01/07/11 19:39	
Trichloroethene	ug/L	ND	1.0	01/07/11 19:39	
Trichlorofluoromethane	ug/L	ND	1.0	01/07/11 19:39	
Vinyl acetate	ug/L	ND	50.0	01/07/11 19:39	
Vinyl chloride	ug/L	ND	1.0	01/07/11 19:39	
Xylene (Total)	ug/L	ND	2.0	01/07/11 19:39	
1,2-Dichloroethane-d4 (S)	%	103	70-130	01/07/11 19:39	
4-Bromofluorobenzene (S)	%	100	70-130	01/07/11 19:39	
Dibromofluoromethane (S)	%	107	70-130	01/07/11 19:39	
Toluene-d8 (S)	%	101	70-130	01/07/11 19:39	

LABORATORY CONTROL SAMPLE: 549825

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	46.5	93	70-130	
1,1,1-Trichloroethane	ug/L	50	43.6	87	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	42.8	86	70-130	
1,1,2-Trichloroethane	ug/L	50	48.0	96	70-130	
1,1-Dichloroethane	ug/L	50	44.8	90	70-130	
1,1-Dichloroethene	ug/L	50	41.0	82	70-132	
1,2,3-Trichloropropane	ug/L	50	43.0	86	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	47.7	95	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	46.0	92	70-130	
1,2-Dichlorobenzene	ug/L	50	45.9	92	70-130	
1,2-Dichloroethane	ug/L	50	44.8	90	70-130	
1,2-Dichloroethene (Total)	ug/L	100	85.6	86	70-130	
1,2-Dichloropropane	ug/L	50	46.4	93	70-130	
1,4-Dichlorobenzene	ug/L	50	46.0	92	70-130	
2-Butanone (MEK)	ug/L	100	105	105	70-145	
2-Hexanone	ug/L	100	100	100	70-144	
4-Methyl-2-pentanone (MIBK)	ug/L	100	105	105	70-140	
Acetone	ug/L	100	97.1J	97	50-175	
Acrylonitrile	ug/L	250	241	96	70-143	
Benzene	ug/L	50	40.3	81	70-130	
Bromochloromethane	ug/L	50	45.2	90	70-130	
Bromodichloromethane	ug/L	50	45.5	91	70-130	
Bromoform	ug/L	50	44.4	89	70-130	
Bromomethane	ug/L	50	44.2	88	54-130	
Carbon disulfide	ug/L	50	43.7J	87	70-131	
Carbon tetrachloride	ug/L	50	42.0	84	70-132	
Chlorobenzene	ug/L	50	45.1	90	70-130	

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QUALITY CONTROL DATA

Project: TOWN OF KERNERSVILLE
Pace Project No.: 9284986

LABORATORY CONTROL SAMPLE: 549825

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloroethane	ug/L	50	39.3	79	64-134	
Chloroform	ug/L	50	43.6	87	70-130	
Chloromethane	ug/L	50	35.4	71	64-130	
cis-1,2-Dichloroethene	ug/L	50	43.4	87	70-131	
cis-1,3-Dichloropropene	ug/L	50	42.7	85	70-130	
Dibromochloromethane	ug/L	50	44.7	89	70-130	
Dibromomethane	ug/L	50	43.5	87	70-131	
Ethylbenzene	ug/L	50	44.5	89	70-130	
Iodomethane	ug/L	100	88.8	89	49-180	
m&p-Xylene	ug/L	100	82.0	82	70-130	
Methylene Chloride	ug/L	50	43.6	87	63-130	
o-Xylene	ug/L	50	45.3	91	70-130	
Styrene	ug/L	50	41.6	83	70-130	
Tetrachloroethene	ug/L	50	40.8	82	70-130	
Toluene	ug/L	50	45.4	91	70-130	
trans-1,2-Dichloroethene	ug/L	50	42.2	84	70-130	
trans-1,3-Dichloropropene	ug/L	50	46.8	94	70-132	
trans-1,4-Dichloro-2-butene	ug/L	50	46.6J	93	70-141	
Trichloroethene	ug/L	50	44.3	89	70-130	
Trichlorofluoromethane	ug/L	50	38.0	76	62-133	
Vinyl acetate	ug/L	100	96.0	96	66-157	
Vinyl chloride	ug/L	50	40.1	80	69-130	
Xylene (Total)	ug/L	150	127	85	70-130	
1,2-Dichloroethane-d4 (S)	%			106	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Dibromofluoromethane (S)	%			107	70-130	
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 549826 549827

Parameter	Units	9284986003 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	43.9	45.0	88	90	70-166	2	30	
Benzene	ug/L	ND	50	50	41.0	42.0	82	84	70-148	2	30	
Chlorobenzene	ug/L	ND	50	50	42.0	42.9	84	86	70-146	2	30	
Toluene	ug/L	ND	50	50	45.1	47.9	90	96	70-155	6	30	
Trichloroethene	ug/L	ND	50	50	45.3	46.4	91	93	69-151	2	30	
1,2-Dichloroethane-d4 (S)	%						106	104	70-130			
4-Bromofluorobenzene (S)	%						100	99	70-130			
Dibromofluoromethane (S)	%						111	111	70-130			
Toluene-d8 (S)	%						103	103	70-130			

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QUALITY CONTROL DATA

Project: TOWN OF KERNERSVILLE
Pace Project No.: 9284986

QC Batch: MSV/13696
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV Low Level Landfill
Associated Lab Samples: 9284986001

METHOD BLANK: 550204
Matrix: Water
Associated Lab Samples: 9284986001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	01/10/11 10:07	
1,1,1-Trichloroethane	ug/L	ND	1.0	01/10/11 10:07	
1,1,2,2-Tetrachloroethane	ug/L	ND	3.0	01/10/11 10:07	
1,1,2-Trichloroethane	ug/L	ND	1.0	01/10/11 10:07	
1,1-Dichloroethane	ug/L	ND	5.0	01/10/11 10:07	
1,1-Dichloroethene	ug/L	ND	5.0	01/10/11 10:07	
1,2,3-Trichloropropane	ug/L	ND	1.0	01/10/11 10:07	
1,2-Dibromo-3-chloropropane	ug/L	ND	13.0	01/10/11 10:07	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	01/10/11 10:07	
1,2-Dichlorobenzene	ug/L	ND	5.0	01/10/11 10:07	
1,2-Dichloroethane	ug/L	ND	1.0	01/10/11 10:07	
1,2-Dichloroethene (Total)	ug/L	ND	5.0	01/10/11 10:07	
1,2-Dichloropropane	ug/L	ND	1.0	01/10/11 10:07	
1,4-Dichlorobenzene	ug/L	ND	1.0	01/10/11 10:07	
2-Butanone (MEK)	ug/L	ND	100	01/10/11 10:07	
2-Hexanone	ug/L	ND	50.0	01/10/11 10:07	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	01/10/11 10:07	
Acetone	ug/L	ND	100	01/10/11 10:07	
Acrylonitrile	ug/L	ND	200	01/10/11 10:07	
Benzene	ug/L	ND	1.0	01/10/11 10:07	
Bromochloromethane	ug/L	ND	3.0	01/10/11 10:07	
Bromodichloromethane	ug/L	ND	1.0	01/10/11 10:07	
Bromoform	ug/L	ND	3.0	01/10/11 10:07	
Bromomethane	ug/L	ND	10.0	01/10/11 10:07	
Carbon disulfide	ug/L	ND	100	01/10/11 10:07	
Carbon tetrachloride	ug/L	ND	1.0	01/10/11 10:07	
Chlorobenzene	ug/L	ND	3.0	01/10/11 10:07	
Chloroethane	ug/L	ND	10.0	01/10/11 10:07	
Chloroform	ug/L	ND	5.0	01/10/11 10:07	
Chloromethane	ug/L	ND	1.0	01/10/11 10:07	
cis-1,2-Dichloroethene	ug/L	ND	5.0	01/10/11 10:07	
cis-1,3-Dichloropropene	ug/L	ND	1.0	01/10/11 10:07	
Dibromochloromethane	ug/L	ND	3.0	01/10/11 10:07	
Dibromomethane	ug/L	ND	10.0	01/10/11 10:07	
Ethylbenzene	ug/L	ND	1.0	01/10/11 10:07	
Iodomethane	ug/L	ND	10.0	01/10/11 10:07	
m&p-Xylene	ug/L	ND	2.0	01/10/11 10:07	
Methylene Chloride	ug/L	ND	1.0	01/10/11 10:07	
o-Xylene	ug/L	ND	1.0	01/10/11 10:07	
Styrene	ug/L	ND	1.0	01/10/11 10:07	
Tetrachloroethene	ug/L	ND	1.0	01/10/11 10:07	
Toluene	ug/L	ND	1.0	01/10/11 10:07	
trans-1,2-Dichloroethene	ug/L	ND	5.0	01/10/11 10:07	

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QUALITY CONTROL DATA

Project: TOWN OF KERNERSVILLE
Pace Project No.: 9284986

METHOD BLANK: 550204 Matrix: Water

Associated Lab Samples: 9284986001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	ND	1.0	01/10/11 10:07	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	01/10/11 10:07	
Trichloroethene	ug/L	ND	1.0	01/10/11 10:07	
Trichlorofluoromethane	ug/L	ND	1.0	01/10/11 10:07	
Vinyl acetate	ug/L	ND	50.0	01/10/11 10:07	
Vinyl chloride	ug/L	ND	1.0	01/10/11 10:07	
Xylene (Total)	ug/L	ND	2.0	01/10/11 10:07	
1,2-Dichloroethane-d4 (S)	%	115	70-130	01/10/11 10:07	
4-Bromofluorobenzene (S)	%	102	70-130	01/10/11 10:07	
Dibromofluoromethane (S)	%	113	70-130	01/10/11 10:07	
Toluene-d8 (S)	%	95	70-130	01/10/11 10:07	

LABORATORY CONTROL SAMPLE: 550205

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	49.2	98	70-130	
1,1,1-Trichloroethane	ug/L	50	53.5	107	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	46.8	94	70-130	
1,1,2-Trichloroethane	ug/L	50	46.4	93	70-130	
1,1-Dichloroethane	ug/L	50	43.7	87	70-130	
1,1-Dichloroethene	ug/L	50	37.8	76	70-132	
1,2,3-Trichloropropane	ug/L	50	47.1	94	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	49.5	99	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	45.9	92	70-130	
1,2-Dichlorobenzene	ug/L	50	46.7	93	70-130	
1,2-Dichloroethane	ug/L	50	45.6	91	70-130	
1,2-Dichloroethene (Total)	ug/L	100	85.0	85	70-130	
1,2-Dichloropropane	ug/L	50	45.5	91	70-130	
1,4-Dichlorobenzene	ug/L	50	45.4	91	70-130	
2-Butanone (MEK)	ug/L	100	90.7J	91	70-145	
2-Hexanone	ug/L	100	97.5	97	70-144	
4-Methyl-2-pentanone (MIBK)	ug/L	100	102	102	70-140	
Acetone	ug/L	100	90.1J	90	50-175	
Acrylonitrile	ug/L	250	230	92	70-143	
Benzene	ug/L	50	42.8	86	70-130	
Bromochloromethane	ug/L	50	46.0	92	70-130	
Bromodichloromethane	ug/L	50	46.8	94	70-130	
Bromoform	ug/L	50	49.5	99	70-130	
Bromomethane	ug/L	50	31.1	62	54-130	
Carbon disulfide	ug/L	50	35.4J	71	70-131	
Carbon tetrachloride	ug/L	50	47.8	96	70-132	
Chlorobenzene	ug/L	50	46.3	93	70-130	
Chloroethane	ug/L	50	35.2	70	64-134	
Chloroform	ug/L	50	45.5	91	70-130	
Chloromethane	ug/L	50	18.6	37	64-130	L0

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QUALITY CONTROL DATA

Project: TOWN OF KERNERSVILLE
Pace Project No.: 9284986

LABORATORY CONTROL SAMPLE: 550205

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/L	50	44.4	89	70-131	
cis-1,3-Dichloropropene	ug/L	50	51.7	103	70-130	
Dibromochloromethane	ug/L	50	49.1	98	70-130	
Dibromomethane	ug/L	50	48.2	96	70-131	
Ethylbenzene	ug/L	50	47.4	95	70-130	
Iodomethane	ug/L	100	84.0	84	49-180	
m&p-Xylene	ug/L	100	99.7	100	70-130	
Methylene Chloride	ug/L	50	43.2	86	63-130	
o-Xylene	ug/L	50	52.0	104	70-130	
Styrene	ug/L	50	48.5	97	70-130	
Tetrachloroethene	ug/L	50	47.8	96	70-130	
Toluene	ug/L	50	44.5	89	70-130	
trans-1,2-Dichloroethene	ug/L	50	40.6	81	70-130	
trans-1,3-Dichloropropene	ug/L	50	48.2	96	70-132	
trans-1,4-Dichloro-2-butene	ug/L	50	36.4J	73	70-141	
Trichloroethene	ug/L	50	47.1	94	70-130	
Trichlorofluoromethane	ug/L	50	38.4	77	62-133	
Vinyl acetate	ug/L	100	97.6	98	66-157	
Vinyl chloride	ug/L	50	23.9	48	69-130	L0
Xylene (Total)	ug/L	150	152	101	70-130	
1,2-Dichloroethane-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			104	70-130	
Dibromofluoromethane (S)	%			100	70-130	
Toluene-d8 (S)	%			100	70-130	

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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

QUALIFIERS

Project: TOWN OF KERNERSVILLE
Pace Project No.: 9284986

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.

Pace Analytical is NELAP 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

ANALYTE QUALIFIERS

L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: TOWN OF KERNERSVILLE
Pace Project No.: 9284986

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
9284986001	**3404-MW2**	EPA 3010	MPRP/7691	EPA 6010	ICP/7101
9284986002	**3404-MW3S**	EPA 3010	MPRP/7691	EPA 6010	ICP/7101
9284986003	**3404-MW3D**	EPA 3010	MPRP/7691	EPA 6010	ICP/7101
9284986004	**3404-MW4**	EPA 3010	MPRP/7691	EPA 6010	ICP/7101
9284986005	**3404-MW5**	EPA 3010	MPRP/7707	EPA 6010	ICP/7118
9284986006	**3404-MW6**	EPA 3010	MPRP/7707	EPA 6010	ICP/7118
9284986007	**3404-SW1**	EPA 3010	MPRP/7707	EPA 6010	ICP/7118
9284986008	**3404-SW2**	EPA 3010	MPRP/7707	EPA 6010	ICP/7118
9284986009	**3404-SW3**	EPA 3010	MPRP/7707	EPA 6010	ICP/7118
9284986010	**FIELD BLANK**	EPA 3010	MPRP/7707	EPA 6010	ICP/7118
9284986001	**3404-MW2**	EPA 8260	MSV/13696		
9284986002	**3404-MW3S**	EPA 8260	MSV/13686		
9284986003	**3404-MW3D**	EPA 8260	MSV/13686		
9284986004	**3404-MW4**	EPA 8260	MSV/13686		
9284986005	**3404-MW5**	EPA 8260	MSV/13686		
9284986006	**3404-MW6**	EPA 8260	MSV/13686		
9284986007	**3404-SW1**	EPA 8260	MSV/13686		
9284986008	**3404-SW2**	EPA 8260	MSV/13686		
9284986009	**3404-SW3**	EPA 8260	MSV/13686		
9284986010	**FIELD BLANK**	EPA 8260	MSV/13686		
9284986011	**TRIP BLANK**	EPA 8260	MSV/13686		

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Pace Analytical

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

Section B
Required Project Information:

Report To:	Jeremey Kerly
Copy To:	
Purchase Order No.	
Client Project ID:	Town of Kernersville 838.1001.12.01
Container Order Number:	

Section C
Invoice Information:

Attention:	Lecia Jones
Company Name:	Joyce Engineering
Address:	1604 Ownby Lane, Richmond, VA 2322(
Pace Quote Reference:	
Pace Project Manager:	Godwin, Kevin
Pace Profile #:	2186-18

Regulatory Agency
State / Location
North Carolina

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	NC Appendix I Metals	NC Appendix I VOC 8260's	Residual Chlorine (Y/N)	92849860
1	3404-MW2	WT	G			12/29/10	1509		4			X	X						X	X		92849860001
2	3404-MW3S	WT	G				1439		4			X	X						X	X		002
3	3404-MW3D (MS/MSD)	WT	G				1422		12			X	X						X	X		003
4	3404-MW4	WT	G				1314		4			X	X						X	X		004
5	3404-MW5	WT	G				1611		4			X	X						X	X		005
6	3404-MW6	WT	G			12/30/10	9:10		4			X	X						X	X		006
7	3404-SW1	WT	G			12/29/10	1530		4			X	X						X	X		007
8	3404-SW2	WT	G				1245		4			X	X						X	X		008
9	3404-SW3	WT	G				1450		4			X	X						X	X		009
10	Field Blank	WT	G			12/30/10	9:30		4			X	X						X	X		010
11	Trip Blank	WT	G			12/29/10	945		2				X							X		011
12																						

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	[signature] / JEI	12/30/10	1015	[signature] / pace dk	12-30-10	1015
	[signature] / pace dk	12-30-10	1155	Justin Mattly / pace dk	12-30-10	11:55

SAMPLE CONDITIONS			
TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
6.0	Y	n	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Alex Everhart, Robert Winfield

SIGNATURE of SAMPLER: [signature] DATE Signed: 12/30/10

Sample Condition Upon Receipt

Pace Analytical

Client Name: Joyce Engineering Project # 9284986

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

Optional
Proj. Due Date:
Proj. Name:

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

Thermometer Used: IR Gun : T904 **Type of Ice:** (Wet) Blue None ☑ Samples on ice, cooling process has begun

Temp Correction Factor: Add / Subtract _____0_____C

Corrected Cooler Temp.: 6.0 C **Biological Tissue is Frozen:** Yes No

Temp should be above freezing to 6°C

Date and Initials of person examining contents: JMM 12-30-10

		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. no time or date on trip blank sample labels.
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.
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: _____

CURF Review: [signature] Date: 12/30/10 **SRF Review:** RLS Date: 12/30/10

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)

DATE: 12/29/10

JOYCE ENGINEERING, INC.

GROUND WATER SAMPLING LOG

Project Name: Town Of Kernersville **Project No./Task No.:** 838.1001.12.01

Well ID: MW-2 **Sampler(s):** A. Everhart

Well Location: Back side of landfill along Creek

Well Diameter: 2 inches

Initial Depth to Water (DTW): 3.36 feet

Depth to Bottom (DTB): 13.18 feet

Water Column Thickness (WCT): 9.82 feet [DTB-DTW]

Calculation for One Well Volume (WV):

For 2" Well: WCT X 0.163 = 1.60 gallons

For 4" Well: WCT X 0.653 = - gallons

For THREE Well Volumes: WV X 3 = 4.80 gallons

Actual Amount Purged/Bailed : 4.80 gallons

Purged with: Disposable bailer

Sampled with: Disposable bailer

Depth to Water before Sampling : - feet

Gallons	Time	Temp(°C)	pH	Cond. (µS)	Turb.(ntu)	Initials
0	1500	12.6	6.64	399	10.52	AE
1.60	1502	13.6	6.37	411	17.63	AE
3.20	1505	15.5	6.22	486	27.1	AE
4.80	1509	15.6	6.18	498	39.7	AE
	12/29/10					
Before Sampling	1509	15.6	6.18	498	39.7	AE

Comments (weather conditions, odor, color, silt, etc.):

12/29- Sunny 30's

Signature: [signature] **Date:** 12/29/10

QA/QC Sign Off: [signature] **Date:** 1-14-11

DATE: 12/29/10

JOYCE ENGINEERING, INC.

GROUND WATER SAMPLING LOG

Project Name: Town Of Kernersville **Project No./Task No.:** 838.1001.12.01

Well ID: MW-3S **Sampler(s):** A. Everhart

Well Location: Back side of landfill along Creek

Well Diameter: 2 inches

Initial Depth to Water (DTW): 14.75 feet

Depth to Bottom (DTB): 24.00 feet

Water Column Thickness (WCT): 9.25 feet [DTB-DTW]

Calculation for One Well Volume (WV):

For 2" Well: WCT X 0.163 = 1.51 gallons

For 4" Well: WCT X 0.653 = - gallons

For THREE Well Volumes: WV X 3 = 4.53 gallons

Actual Amount Purged/Bailed : 4.53 gallons

Purged with: **Disposable bailer**

Sampled with: **Disposable bailer**

Depth to Water before Sampling : 14.79 feet

Gallons	Time	Temp(°C)	pH	Cond. (µS)	Turb.(ntu)	Initials
0	1330	15.4	6.95	397	6.13	AE
1.51	1334	15.7	6.60	404	536	AE
3.02	1337	15.5	6.55	402	172	AE
4.53	1341	15.7	6.49	402	642	AE
	12/29/10					
Before Sampling	1439	15.4	6.56	403	27.1	AE

Comments (weather conditions, odor, color, silt, etc.):

12/29- Sunny 40's

Signature: [signature] **Date:** 12/29/10

QA/QC Sign Off: [signature] **Date:** 1-14-11

DATE: 12/29/10

JOYCE ENGINEERING, INC.

GROUND WATER SAMPLING LOG

Project Name: Town Of Kernersville **Project No./Task No.:** 838.1001.12.01

Well ID: MW-3D **Sampler(s):** A. Everhart

Well Location: Back side of landfill along Creek

Well Diameter: 2 inches

Initial Depth to Water (DTW): 12.11 feet

Depth to Bottom (DTB): 56.96 feet

Water Column Thickness (WCT): 44.85 feet [DTB-DTW]

Calculation for One Well Volume (WV):

For 2" Well: WCT X 0.163 = 7.31 gallons

For 4" Well: WCT X 0.653 = - gallons

For THREE Well Volumes: WV X 3 = 21.93 gallons

Actual Amount Purged/Bailed : 21.93 gallons

Purged with: Disposable bailer

Sampled with: Disposable bailer

Depth to Water before Sampling : - feet

Gallons	Time	Temp(°C)	pH	Cond. (µS)	Turb.(ntu)	Initials
0	1345	15.4	7.19	373	15.17	AE
7.31	1356	15.1	7.08	384	25.7	AE
14.62	1408	15.2	6.56	378	17.63	AE
21.93	1422	15.1	6.35	380	11.72	AE
	12/29/10					
Before Sampling	1422	15.1	6.35	380	11.72	AE

Comments (weather conditions, odor, color, silt, etc.):

12/29- Sunny 40's

Signature: [signature] **Date:** 12/29/10

QA/QC Sign Off: [signature] **Date:** 1-14-11

DATE: 12/29/10

JOYCE ENGINEERING, INC.

GROUND WATER SAMPLING LOG

Project Name: Town Of Kernersville **Project No./Task No.:** 838.1001.12.01

Well ID: MW-4 **Sampler(s):** A. Everhart

Well Location: Back side of landfill along Creek

Well Diameter: 2 inches

Initial Depth to Water (DTW): 6.58 feet

Depth to Bottom (DTB): 14.40 feet

Water Column Thickness (WCT): 7.82 feet [DTB-DTW]

Calculation for One Well Volume (WV):

For 2" Well: WCT X 0.163 = 1.27 gallons

For 4" Well: WCT X 0.653 = - gallons

For THREE Well Volumes: WV X 3 = 3.81 gallons

Actual Amount Purged/Bailed : 3.81 gallons

Purged with: Disposable bailer

Sampled with: Disposable bailer

Depth to Water before Sampling : - feet

Gallons	Time	Temp(°C)	pH	Cond. (µS)	Turb.(ntu)	Initials
0	1258	12.3	7.49	423	6.32	AE
1.27	1304	13.0	7.04	425	26.8	AE
2.54	1306	13.1	6.90	425	115	AE
3.81	1314	13.8	6.56	427	22.6	AE
	12/29/10					
Before Sampling	1314	13.8	6.56	427	22.6	AE

Comments (weather conditions, odor, color, silt, etc.):

12/29- Sunny 40's

Signature: [signature] **Date:** 12/29/10

QA/QC Sign Off: [signature] **Date:** 1-14-11

DATE: 12/29/10

JOYCE ENGINEERING, INC.

GROUND WATER SAMPLING LOG

Project Name: Town Of Kernersville **Project No./Task No.:** 838.1001.12.01

Well ID: MW-5 **Sampler(s):** A. Everhart

Well Location: Down hill between old cell and shooting range.

Well Diameter: 2 inches

Initial Depth to Water (DTW): 3.76 feet

Depth to Bottom (DTB): 11.36 feet

Water Column Thickness (WCT): 7.60 feet [DTB-DTW]

Calculation for One Well Volume (WV):

For 2" Well: WCT X 0.163 = 1.24 gallons

For 4" Well: WCT X 0.653 = - gallons

For THREE Well Volumes: WV X 3 = 3.72 gallons

Actual Amount Purged/Bailed : 3.72 gallons

Purged with: Disposable bailer

Sampled with: Disposable bailer

Depth to Water before Sampling : - feet

Gallons	Time	Temp(°C)	pH	Cond. (µS)	Turb.(ntu)	Initials
0	1600	3.7	7.54	44.4	46.8	AE
1.24	1603	4.8	7.30	48.6	532	AE
2.48	1607	5.1	6.86	48.9	127	AE
3.72	1611	4.5	6.32	48.6	115	AE
	12/29/10					
Before Sampling	1611	4.5	6.32	18.6	115	AE

Comments (weather conditions, odor, color, silt, etc.):

12/29- Sunny 30's

Signature: [signature] **Date:** 12/29/10

QA/QC Sign Off: [signature] **Date:** 1-14-11

DATE: 12/29-30/10

JOYCE ENGINEERING, INC.

GROUND WATER SAMPLING LOG

Project Name: Town Of Kernersville **Project No./Task No.:** 838.1001.12.01

Well ID: MW-6 **Sampler(s):** A. Everhart/ R. Winfield

Well Location: On Right side of road behind old scale house location.

Well Diameter: 2 inches

Initial Depth to Water (DTW): 17.50 feet

Depth to Bottom (DTB): 20.46 feet

Water Column Thickness (WCT): 2.96 feet [DTB-DTW]

Calculation for One Well Volume (WV):

For 2" Well: WCT X 0.163 = 0.48 gallons

For 4" Well: WCT X 0.653 = - gallons

For THREE Well Volumes: WV X 3 = 1.44 gallons

Actual Amount Purged/Bailed : 1.44 gallons

Purged with: Disposable bailer

Sampled with: Disposable bailer

Depth to Water before Sampling : - feet

Gallons	Time	Temp(°C)	pH	Cond. (µS)	Turb.(ntu)	Initials
0	1635	13.8	6.60	49.1	49.6	AE
0.48	1638	14.8	5.77	48.7	126.9	AE
0.96	1641	14.2	5.32	48.6	248	AE
1.44	1647	14.5	5.09	48.11	476	AE
	12/30/10					
Before Sampling	910	11.9	5.68	52.7	41.3	RW

Comments (weather conditions, odor, color, silt, etc.):

12/29- Sunny 30's

Signature: [signature] **Date:** 12/30/10

QA/QC Sign Off: [signature] **Date:** 1-19-11

DATE: 12/29/10

JOYCE ENGINEERING, INC.

SURFACE WATER MONITORING LOG

Project Name: Town Of Kernersville **Project/Task No.:** 838.1001.12.01

Surface Point ID: SW-1 **Sampler(s):** A. Everhart

Location: Upstream of MW-2 before 2 creeks merge.

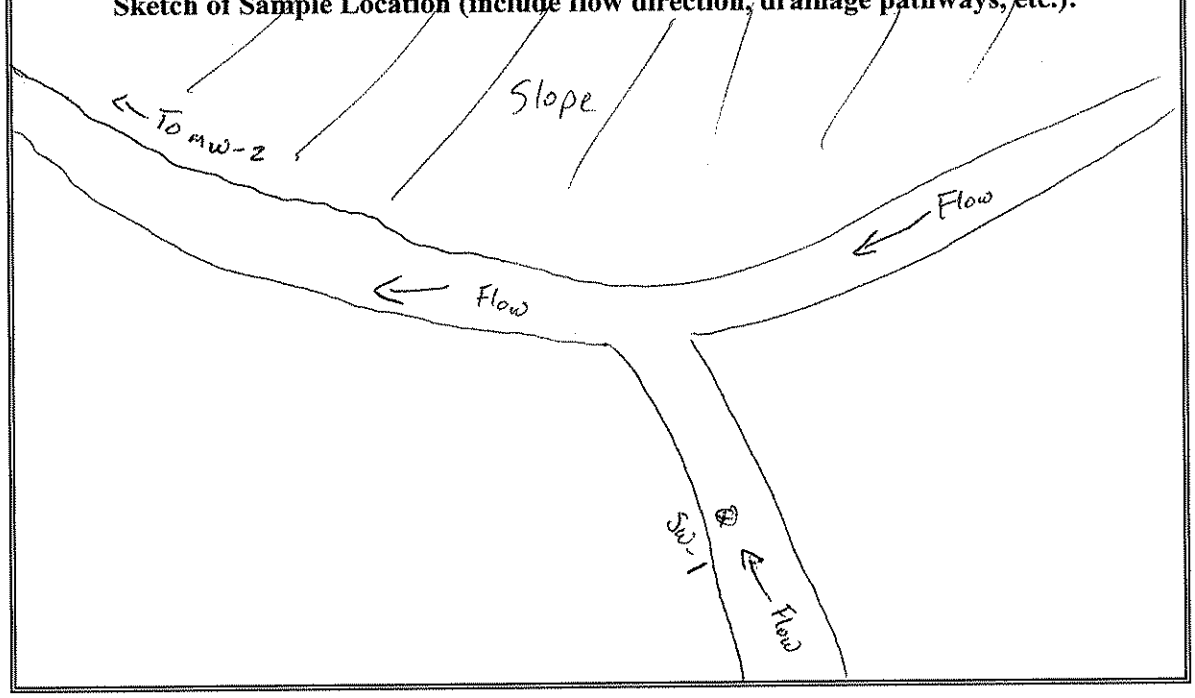
Field Parameters:

Time of Sampling:	1530	
pH:	8.27	
Temperature :	2.7	(°C)
Conductivity :	96.6	(µS)
Turbidity :	3.17	(ntu)

Comments/Sample Description(weather conditions, odor, color, silt, etc.):

Sunny 30's

Sketch of Sample Location (include flow direction, drainage pathways, etc.):



Signature: [signature] **Date:** 12/29/10

QA/QC Sign Off: [signature] **Date:** 1-14-11

DATE: 12/29/10

JOYCE ENGINEERING, INC.

SURFACE WATER MONITORING LOG

Project Name: Town Of Kernersville **Project/Task No.:** 838.1001.12.01

Surface Point ID: SW-2 **Sampler(s):** A. Everhart

Location: Down Stream of MW-4 at property line.

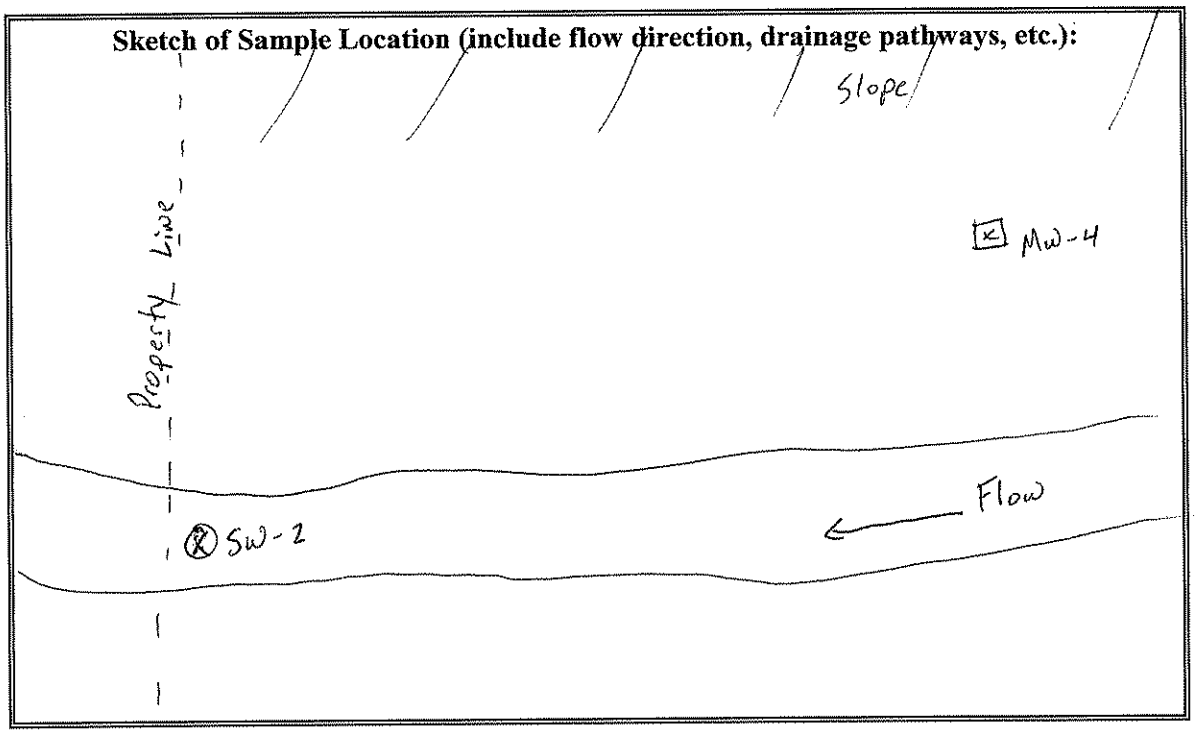
Field Parameters:

Time of Sampling:	1245	
pH:	8.17	
Temperature :	1.5	(°C)
Conductivity :	119.4	(µS)
Turbidity :	9.32	(ntu)

Comments/Sample Description(weather conditions, odor, color, silt, etc.):

Sunny 30's

Sketch of Sample Location (include flow direction, drainage pathways, etc.):



Signature: [signature] **Date:** 12/29/10

QA/QC Sign Off: [signature] **Date:** 1-14-11

DATE: 12/29/10

JOYCE ENGINEERING, INC.

SURFACE WATER MONITORING LOG

Project Name: Town Of Kernersville **Project/Task No.:** 838.1001.12.01

Surface Point ID: SW-3 **Sampler(s):** A. Everhart

Location: In the stream directly across from MW-2

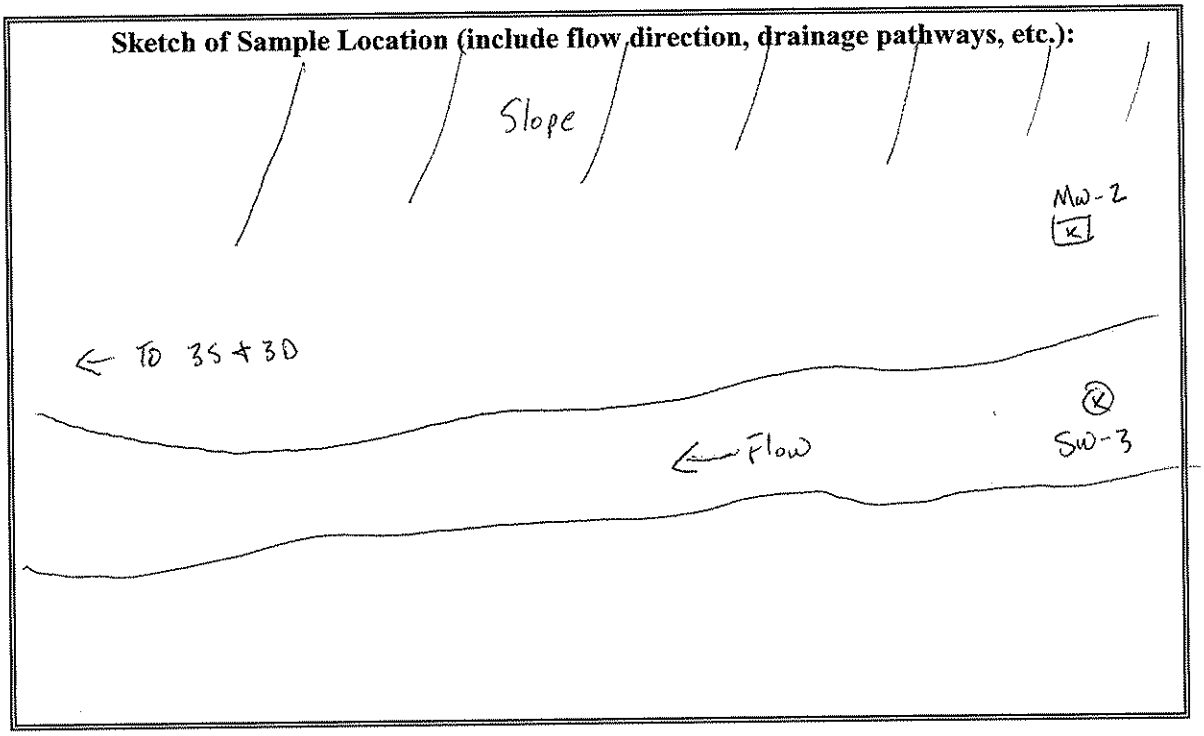
Field Parameters:

Time of Sampling:	1450	
pH:	7.30	
Temperature :	3.5	(°C)
Conductivity :	102.4	(µS)
Turbidity :	8.21	(ntu)

Comments/Sample Description(weather conditions, odor, color, silt, etc.):

Sunny 30's

Sketch of Sample Location (include flow direction, drainage pathways, etc.):



Signature: [signature] **Date:** 12/29/10

QA/QC Sign Off: [signature] **Date:** 1-14-11