Larry

FEB 2001
Received
Hazardous Waste
Section

Ground Water Sampling and Analysis Report
Third Creek Monofill
The City of Statesville
Statesville, North Carolina
February 5, 2001
EPA ID# NCR 000 001 602

Prepared for

The City of Statesville
Statesville, North Carolina

Prepared by

Waters Edge Environmental, LLC
Greensboro, North Carolina

WATERS EDGE ENVIRONMENTAL, LLC

4901 WATERS EDGE DRIVE, SUITE 100 • RALEIGH, NC 27606 • PHONE 919.859.9987 • FAX 919.859.9930

February 5, 2001

Mr. L.F. (Joe) Hudson, Jr., Director
Water/Wastewater Treatment Department
The City of Statesville
Post Office Box 1111
Statesville, North Carolina 28687-1111

Reference: Ground Water Sampling and Analysis Report
Third Creek Monofill
City of Statesville
Statesville, North Carolina
Waters Edge Job No. G1-01

Dear Mr. Hudson:

Waters Edge Environmental, LLC, (Waters Edge) is pleased to submit this report regarding ground water quality assessment activities performed at the City of Statesville Third Creek Monofill site. The report discusses the technical services Waters Edge has provided, describes the field procedures, and presents the results of the ground water analytical testing.

Waters Edge appreciates the opportunity to be of service to the City of Statesville. If you require additional information, please contact us at (336) 852-5003.

Sincerely,

WATERS EDGE ENVIRONMENTAL, LLC

Joseph P. Best, P.G.
Project Manager

Susan Kite

Susan Kite, P.G.
Senior Project Manager

cc: Mr. Steven J. Levitas - Brooks, Pierce, McLendon, Humphrey & Leonard, L.L.P.
Mr. Dan Buir, NCDENR, Division of Solid Waste Management

GR1007/JPB/SK

Ground Water Sampling and Analysis Report
Third Creek Monofill
The City of Statesville
Statesville, North Carolina
February 5, 2001

1 Introduction

The City of Statesville operates a wastewater treatment plant at its Third Creek Monofill Facility located in Statesville, North Carolina (see Figure 1). The site operates under a NPDES permit (Permit No. 0020591) and a non-discharge permit (Permit No. WQ0004040). Concerns of elevated concentrations of cadmium in the treatment system were raised in 1993. The non-discharge permit was modified to allow the removal and landfilling of over 20 years of accumulated solids from Aeration Basins 1 and 2 and the Digester in an effort to reduce the amount of cadmium in the wastewater treatment system. The sludge was placed in eight landfill trenches on property near the wastewater treatment plant. Subsequent sampling of the landfilled sludge identified cadmium levels in excess of the regulatory limit for cadmium according to the toxicity characteristic leaching procedure (TCLP) in seven of the eight trenches.

Based upon this investigation and the laboratory analytical results, the North Carolina Department of Environment, Health and Natural Resources, (NCDEHNR) Division of Solid Waste Management (DSWM) issued an Administrative Order of Consent (AOC) Docket #94-191 that was signed by the City of Statesville on March 8, 1995. Following the signing of the AOC, the City of Statesville contracted Aquaterra Engineering, Inc., (Aquaterra) to prepare, submit, and implement a *Phase I Subsurface Characterization Work Plan* to address the requirements of the AOC.

The primary objective of the subsurface characterization activities was to determine the subsurface conditions at the site, including determining the ground water flow direction. The characterization activities included the drilling of four soil borings in the shallow regolith aquifer, and one soil boring advanced to auger refusal. In addition, four shallow ground water monitoring wells (MW-5 through MW-8) were installed. Aquaterra completed the subsurface characterization activities in mid-April 1995 and submitted a *Phase I Subsurface Characterization Report* and a *Ground Water Sampling and Analysis Plan* in May 1995. The four wells were initially sampled in June 1995, and were sampled on a quarterly monitoring schedule until June 1998.

On September 3, 1996, the DSWM approved a request by the City of Statesville to reduce the analytical parameters of the detection monitoring program. Consequently, Aquaterra submitted a *Revised Sampling and Analysis Plan* on September 11, 1996. In the winter/spring of 1997, the Third Creek Monofill unit was closed in accordance with the July 12, 1996, *Revised Closure Plan*. On August 27, 1997, Aquaterra submitted a *Closure Certification*. The DSWM, in a letter dated June 22, 1998, accepted this certification and the post-closure care period began, including semi-annual monitoring of wells MW-5 through MW-8. In a July 7, 1998 correspondence, the DSWM recommended the installation of an additional monitoring well (MW-9) as shown in Figure 2 of the *Post-Closure Care Plan*. This well was installed on August 19, 1998. Monitoring well MW-9 and existing monitoring well MW-2 were sampled on a quarterly basis for a period of one year and were subsequently included in the semi-annual sampling events.

On November 8, 2000, the Division of Waste Management (DWM), formerly the DSWM approved a request by the City of Statesville to reduce the analytical parameters and frequency of the detection monitoring program. Consequently, Waters Edge Environmental, LLC (Waters Edge) submitted a *Revised Ground Water Sampling and Analysis Plan* on December 13, 2000. The following report summarizes the December 2000 annual ground water sampling event of monitoring wells MW-2 through MW-9. Ground water samples were not obtained from monitoring wells MW-5 and MW-6 due to insufficient water in those monitoring wells.

2 Ground Water Assessment

As specified in the November 8, 2000 correspondence from the DWM addressing the *Revised Groundwater Sampling Program*, the monitoring wells are currently sampled on an annual basis.

2.1 Ground Water Level Monitoring and Sampling

Static ground water levels were measured to the nearest 0.01 foot using a decontaminated electronic water level probe in monitoring wells MW-2 through MW-9 on December 19, 2000 (see Figure 2 and Table 1). Ground water samples were collected from monitoring wells MW-2, MW-3, MW-4, MW-7, MW-8, and MW-9 on December 19, 2000. Ground water samples were not obtained from monitoring wells MW-5 and MW-6 due to insufficient water in those monitoring wells. Prior to sample collection, a minimum of three well volumes of ground water was bailed from each well to remove stagnant water so that a representative ground water sample could be obtained. The samples were collected within one hour of purging to minimize the loss of any volatile organic compounds (VOCs) present. Disposable Teflon® bailers were used to withdraw the samples. Field measurements of pH, specific conductivity and temperature were also collected from each monitoring well location (see Table 1). The ground water samples were collected in decontaminated, laboratory-provided containers according to EPA protocols.

The ground water samples collected for laboratory analysis were labeled with a tag identifying the sample number, job number, job name, date, time, sampler's initials, and the analysis to be conducted. The sample information was logged onto a chain-of-custody form and the samples were stored and transported in an insulated cooler filled with ice. Waters Edge maintained custody of the water samples until their delivery to the analytical laboratory. The samples were analyzed by Pace Analytical Services, Inc., located in Huntersville, North Carolina.

2.2 Laboratory Analysis

2.2.1 Wells MW-2, MW-5, MW-6, MW-7 and MW-9

Ground water samples from wells MW-2, MW-5, MW-6, MW-7 and MW-9 were analyzed for arsenic, barium, cadmium, chromium, lead, nickel, selenium, and silver according to EPA Method 200.7, mercury according to EPA Method 245.1, VOCs according to EPA Method 8260B or 6230D, and for semivolatile organic compounds (SVOCs) according to EPA Method 8270C. Well MW-2 was also sampled for total dissolved solids (TDS) according to EPA Method 160.1, total organic carbon (TOC) according to Standard Method 5310C, and nitrate according to EPA Method 300.1 as required under the non-discharge permit.

2.2.2 Wells MW-3, MW-4, and MW-8

Ground water samples from wells MW-3, MW-4, and MW-8 were analyzed for arsenic, barium, cadmium, chromium, lead, nickel, selenium, and silver according to Method 200.7, and mercury according to EPA Method 245.1. The wells were also sampled for VOCs according to Method 6230D, TDS according to EPA Method 160.1, TOC according to Standard Method 5310C and nitrate according to EPA Method 300.1 as required under the non-discharge permit.

3 Results

3.1 Aquifer Characteristics

Based upon the December 19, 2000 ground water levels, the direction of ground water flow appears to be to the south/southwest, responding to a horizontal hydraulic gradient ranging from 0.014 foot per foot (wells MW-8 to MW-3) to 0.024 foot per foot (wells MW-8 to MW-4) (see Figure 3). This is basically consistent with previous ground water sampling events.

3.2 Analytical Results

The recent laboratory analytical results along with the corresponding 15A NCAC 2L.0202 *Ground Water Quality Standards (2L Standards)* are summarized in Table 2. Historical laboratory analytical results are presented in Tables 3 and 4. VOCs and SVOCs were not detected in any of the ground water samples above the laboratory method detection limits. The laboratory reports are included in Appendix A.

The concentrations from the laboratory results compared to the *2L Standards* are as follows:

- Four of the six wells sampled exceeded the 0.015 mg/L standard for lead. Lead concentrations ranged from below the detection limit (MW-4) to 0.27 mg/L (MW-2).
- Monitoring well MW-2 exceeded the standard for arsenic (0.05 mg/L) at a concentration of 0.069 mg/L.
- Monitoring well MW-2 exceeded the standard for barium (2.0 mg/L) at a concentration of 12 mg/L.
- Monitoring well MW-2 exceeded the standard for chromium (0.05 mg/L) at a concentration of 0.42 mg/L.
- Monitoring well MW-2 exceeded the standard for nickel (0.1 mg/L) at a concentration of 0.24 mg/L.

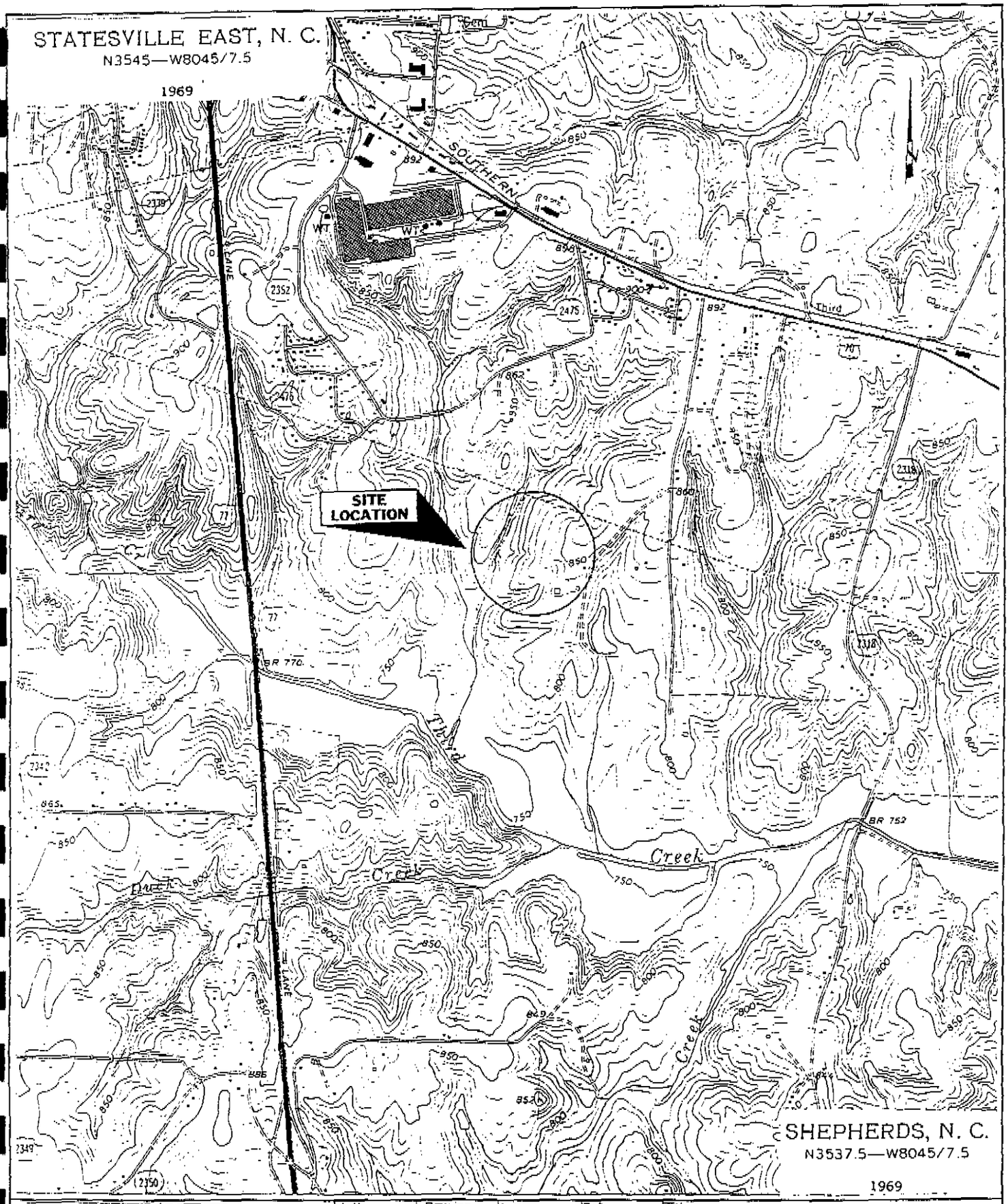
TOC was detected in three of the four wells in which the analysis was conducted. No *2L Standard* exist for TOC. All other parameters that were analyzed for were below the *2L Standards*.

4 Conclusions

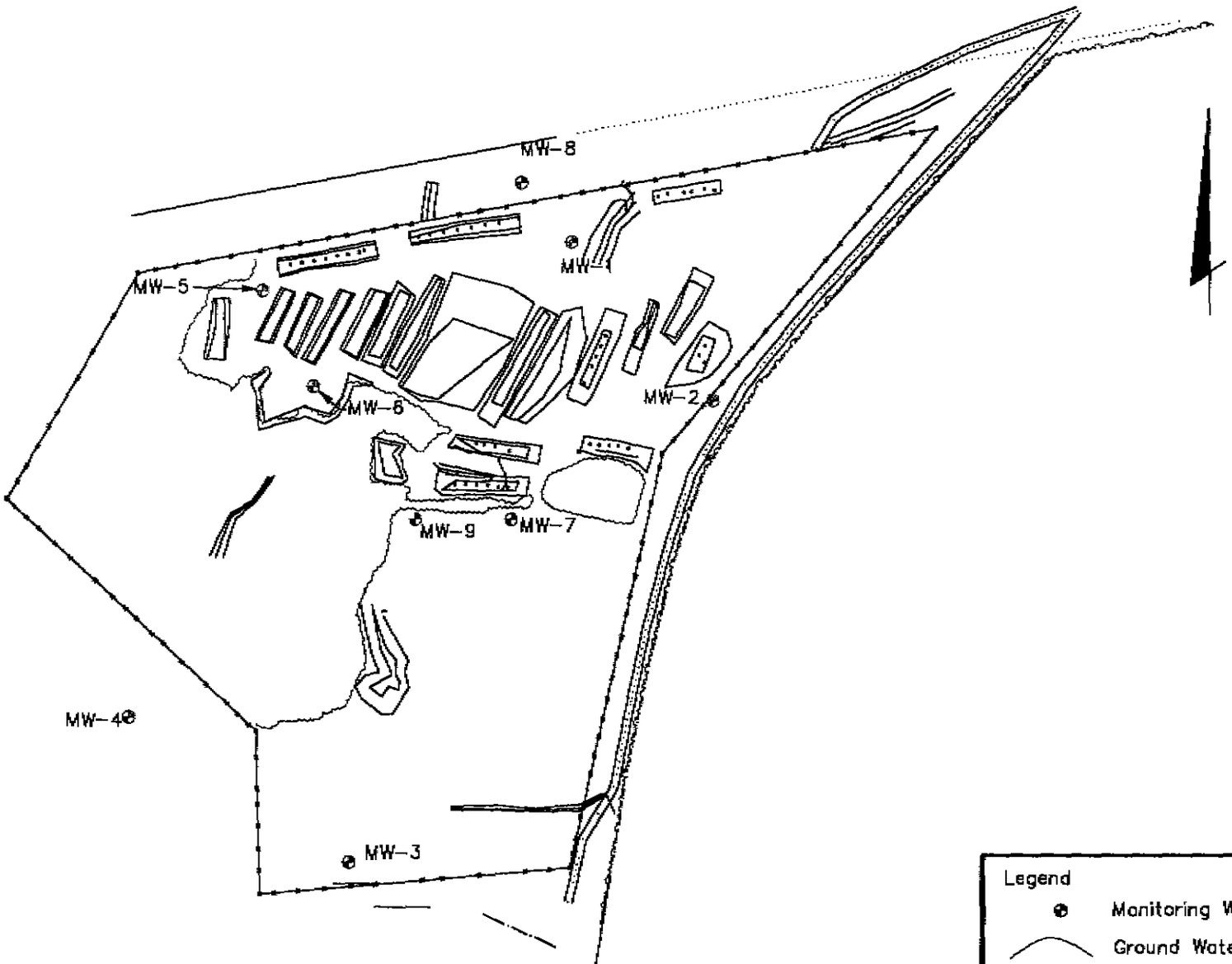
Cadmium, the main constituent of concern at the Third Creek Monofill site, has not been identified in any of the ground water samples throughout the six-year monitoring program. VOCs, SVOCs, and pesticides have also not been present in any of the ground water samples collected from the monitoring wells during any of the sampling events, with two exceptions. Laboratory analysis indicated the presence of heptachlor in the ground water samples collected from monitoring wells MW-5 and MW-6 during the June 1996 sampling event. Heptachlor has not been detected in the monitoring wells during subsequent sampling events. Bis(2-ethylhexyl)phthalate was detected in monitoring well MW-9 during the September 1998 sampling event. Bis(2-ethylhexyl)phthalate is a common plasticizer that could be detected as the result of the sampler's gloves or a common laboratory artifact. This constituent was not detected in subsequent sampling events.

The low levels of arsenic, barium, chromium, nickel, and lead are likely naturally occurring as the result of the decomposition of minerals and clays, however we will continue to evaluate levels of these constituents. TOC is an estimate of the biodegradable organics present. TOC concentrations have remained at relatively consistent low levels throughout the sampling events.

Based on a review of the ongoing monitoring program results and the August 27, 1997, *Closure Certification* submitted by Aquaterra, the landfilled sludge does not appear to have impacted the ground water at the Third Creek Monofill site. To comply with the November 8, 2000 DWM correspondence, the next annual sampling event is scheduled for December 2001.



Waters Edge Environmental	Author	Drawing	Layers	Date	Title
	JB	53021-1		8/1/00	Site Location Map
	Job No.	Revision	Figure	Scale	Project
	5302100		1	1"=2,000'	Third Creek Monofill Statesville, North Carolina



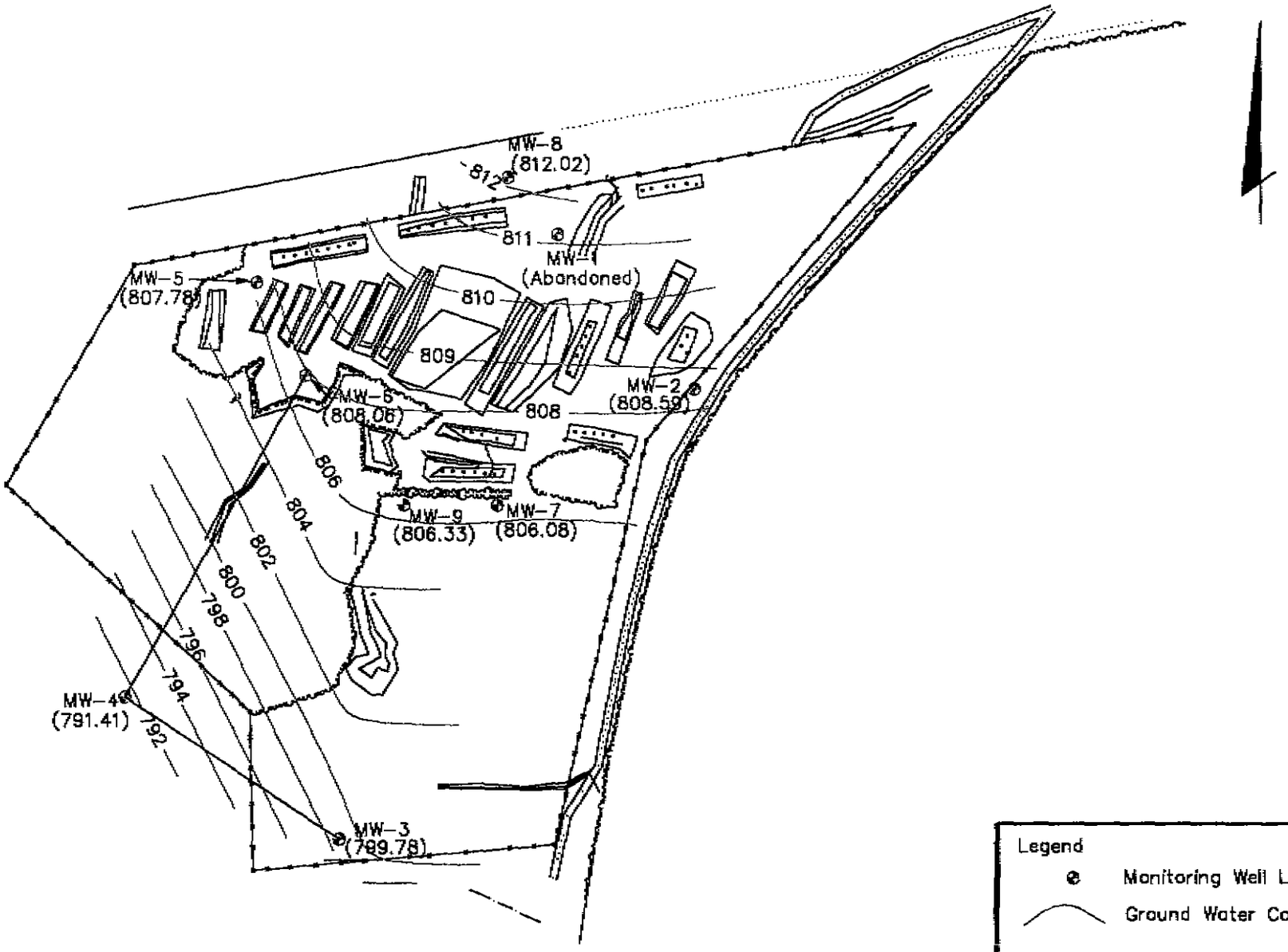
Legend

Monitoring Well Location

Ground Water Contour Line

WATERS EDGE ENVIRONMENTAL, LLC

Author	Drawing	Layers	Date	Title
mbb	G1-01	0	6-19-90	SITE MAP
Job No.	**Revision**	**Figure**	**Scale**	**Project**
G1-01	02-02-01	2	1"=200'	Third Creek Monofill Facility Statesville, North Carolina



Legend

Monitoring Well Location

Ground Water Contour Line

WATERS EDGE ENVIRONMENTAL, LLC	*Author* mbb	*Drawing* G1-01	*Layers* 0	*Date* 6-19-90	*Title* Ground Water Contour Map (Data Collected December 19, 2000)
	Job No. G1-01	*Revision* 02-02-01	*Figure* 3	*Scale* 1"=200'	*Project* Third Creek Monofill Facility Statesville, North Carolina

Table 1 Ground Water Elevations and Field Parameters for December 2000 Sampling Event

Sample	TOC	Depth to Ground Water	Ground Water Elevation	pH	Conductivity	Temperature
MW-1	860.08	Well Abandoned	NA	NA	NA	NA
MW-2	847.94	39.35	808.59	5.55	115.8	13.6
MW-3	823.85	24.07	799.78	6.54	180	14.9
MW-4	814.68	23.27	791.41	6.57	70.2	14.5
MW-5	847.16	39.38	807.78	NR	NR	NR
MW-6	850.21	42.15	808.06	NR	NR	NR
MW-7	847.70	41.62	806.08	6.14	115.9	14.3
MW-8	861.44	49.42	812.02	5.91	46.4	12.8
MW-9	846.48	40.15	806.33	5.54	82.3	13.0

Notes:

Elevations are referenced to previously determined MW-1 elevation
Top of Casing (TOC), depth to ground water, and elevation reported in feet
Conductivity reported in microhms per centimeter (umhos/cm)
Temperature reported in degrees Celsius
pH reported in standard units
NM = Not Measured.
NR = Not recorded due to limited quantity of water present
NA = Not Applicable

Waters Edge Job No. G1-01

Table 2 Laboratory Analytical Results for December 19, 2000 Ground Water Sampling Event

Parameter	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	NCAC 2L
Arsenic	**0.069**	<0.005	<0.005	NC	NC	0.0055	<0.005	0.0098	0.05
Barium	**12**	0.38	0.044	NC	NC	0.56	0.26	0.91	2.0
Cadmium	<0.001	<0.001	<0.001	NC	NC	<0.001	<0.001	<0.001	0.005
Chromium	**0.42**	0.033	0.0026	NC	NC	0.035	0.0076	0.016	0.05
Lead	0.27	**0.034**	<0.005	NC	NC	**0.017**	0.01	**0.024**	0.015
Nickel	**0.24**	0.017	<0.005	NC	NC	0.014	0.0051	0.0089	0.1
Mercury	<0.0002	<0.0002	<0.0002	NC	NC	<0.0002	<0.0002	<0.0002	0.0011
Nitrogen, Nitrate	4.8	4.6	0.82	NC	NC	NA	1.0	NA	10.0
Selenium	<0.005	<0.005	<0.005	NC	NC	<0.005	<0.005	<0.005	0.05
Silver	0.0062	<0.002	<0.002	NC	NC	<0.002	<0.002	<0.002	0.018
TOC	<2	3.2	4.5	NC	NC	NA	2.0	NA	NS
TDS	22	92	47	NC	NC	NA	25	NA	1,000
VOCs	ND	ND	ND	NC	NC	ND	ND	ND	---
SVOCs	ND	NA	NA	NC	NC	ND	NA	ND	---

NOTES:
All units are in mg/L unless otherwise specified
NA = Not Analyzed
NS = No Standard
NC = No sample collected due to limited sample volume
ND = Not Detected
Levels shown in boldface exceed NCAC 2L Standards

Waters Edge Job No. G1-01

Table 3 Historical Results Metals and Inorganic Parameters—MW-2

Parameter	9/29/98	12/15/98	3/2/99	6/29/99	12/13/99	6/29/00	NCAC 2L
Arsenic	<0.0017	<0.005	<0.005	<0.005	<0.0053	<0.005	0.05
Barium	0.36	0.48	0.66	0.36	0.88	0.46	2.0
Cadmium	<0.01	<0.01	<0.01	<0.001	<0.001	<0.001	0.005
Chloride	2.3	3.0	1.3	1.2	<5	<5	250.0
Chromium	0.01	0.011	0.02	0.0059	0.024	0.0083	0.05
Fluoride, Total	<0.2	<0.2	<0.2	<0.2	0.20	<0.20	2.0
Iron	11	23	29	9.5	33	12	0.3
Lead	0.012	0.0093	0.021	0.0059	0.018	<0.005	0.015
Manganese	0.23	0.42	0.71	0.22	0.65	0.25	0.05
Mercury	<0.0002	<0.0002	<0.0002	<0.0002	0.00079	<0.0002	0.0011
Nitrogen, Nitrate	6.8	6.2	9.6	7.2	6.3	5.4	10.0
Phenol, Low Level	NA	NA	NA	NA	NA	NA	0.30
Selenium	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.05
Silver	<0.05	<0.05	<0.05	<0.002	<0.002	0.0028	0.018
Sodium	4.4	3.7	4.8	4.9	4.1	4.3	NS
Sulfate	<5	<5.0	<5.0	<5.0	<5	<5	250.0
Total Organic Carbon	3.3	1.1	(See Table 4)	(See Table 4)	(See Table 4)	(See Table 4)	NS
Total Organic Halides	0.0011	<0.03	(See Table 4)	(See Table 4)	(See Table 4)	(See Table 4)	NS
Gross Alpha[a]	2.0	3.2	4.2	2.9	14.1	1.8	15
Gross Beta[a]	4.1	6.2	7.0	6.0	10.8	5.5	NS
Radium 226[a]	0.3	0.6	1.6	1.9	1.3	0.2	**
Radium 228[a]	<0.9	<1.0	0.7	2.6	2.6	1.6	**

NOTES:
All units are in mg/L unless otherwise specified
NA = Not Analyzed
NS = No Standard
NC = No sample collected due to limited sample volume
[a] Units are in pCi/L

Waters Edge Job No. G1-01

Table 3 Historical Results Metals and Inorganic Parameters—MW-5

Parameter	6/2/95	9/19/95	12/18/95	3/19/96	6/27/96	9/17/96	12/4/96	3/27/97	6/6/97	NCAC 2L
Arsenic	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.05
Barium	1.99	0.610	0.210	0.039	0.390	0.29	0.43	0.28	0.21	2.0
Cadmium	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.005
Chloride	4.0	6.0	3.2	3.4	4.9	3.7	4.0	3.7	3.9	250.0
Chromium	<0.010	0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.05
Fluoride, Total	0.14	0.14	<0.10	<0.10	<0.2	<0.2	<0.1	<0.2	<0.2	2.0
Iron	61	16	2.5	18.0	3.5	6.4	0.84	0.16	8.4	0.3
Lead	0.10	<0.10	0.005	0.008	0.007	0.006	<0.005	<0.005	<0.005	0.015
Manganese	7.4	14	1.7	1.3	1.9	1.1	1.2	0.85	1.5	0.05
Mercury	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0011
Nitrogen, Nitrate	0.6	<0.1	0.49	0.50	0.42	0.30	0.39	0.34	0.31	10.0
Phenol, Low Level	<0.002	NC	<0.005	<0.005	0.005	NA	NA	NA	NA	0.30
Selenium	<0.005	0.006	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.05
Silver	<0.005	<0.010	<0.005	0.014	<0.010	<0.050	<0.050	<0.050	<0.050	0.018
Sodium	4.2	8.4	2.5	3.1	3.4	2.3	2.3	1.9	3.1	NS
Sulfate	2.0	<1.0	<1.0	2.7	<5	<5	<5	<5	<5	250.0
Total Organic Carbon	6	6	3.5	3	3.3	<1	<1	6	3	NS
Total Organic Halides	0.021	0.14	0.009	0.012	0.0481	0.016	0.019	0.033	0.010	NS
Gross Alpha[a]	1.2	NC	1.2	11.3	3.7	3.2	4.1	2.9	2.0	15
Gross Beta[a]	3.0	NC	3.5	10.2	4.8	5.3	5.8	4.1	2.8	NS
Radium 226[a]	1.3	<0.2	1.2	2.8	1.9	1.7	0.6	0.7	1.2	**
Radium 228[a]	1.6	<0.9	1.1	2.5	1.2	3.0	2.0	0.8	1.2	**

NOTES: Pesticide, heptachlor at a concentration of 0.20 ug/L was identified during the 6/27/96 sampling event
All units are in mg/L unless otherwise specified.
NA = Not Analyzed
NS = No Standard
NC = No sample collected due to limited sample volume
[a] Units are in pCi/L.

Waters Edge Job No. G1-01

Table 3 Historical Results Metals and Inorganic Parameters—MW-5 (cont'd)

Parameter	9/15/97	12/16/97	3/4/98	6/17/98	12/15/98	NCAC 2L
Arsenic	<0.005	0.007	<0.005	<0.005	<0.005	0.05
Barium	0.31	0.42	0.23	0.23	0.20	2.0
Cadmium	<0.010	<0.010	<0.010	<0.010	<0.01	0.005
Chloride	4.8	5	4	2	NC	250.0
Chromium	<0.010	<0.010	<0.010	<0.010	<0.01	0.05
Fluoride, Total	<0.2	<0.2	<0.2	<0.2	NC	2.0
Iron	8.3	14	2.9	4.1	5.3	0.3
Lead	0.007	0.011	<0.005	<0.005	<0.005	0.015
Manganese	1.4	1.4	0.74	1.1	NC	0.05
Mercury	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0011
Nitrogen, Nitrate	0.38	0.36	0.35	0.15	NC	10.0
Phenol, Low Level	NA	NA	NA	NA	NA	0.30
Selenium	<0.005	<0.005	<0.005	<0.005	<0.005	0.05
Silver	<0.050	<0.050	<0.050	<0.050	<0.05	0.018
Sodium	3.4	4.3	3.3	2.5	2.7	NS
Sulfate	<10	<10	<5	<10	NC	250.0
Total Organic Carbon	<1	1.09	2.4	2.2	NC	NS
Total Organic Halides	0.014	0.007	<0.005	<0.005	NC	NS
Gross Alpha[a]	2.0	2.8	1.6	1.8	NC	15
Gross Beta[a]	3.2	4.9	3.3	3.0	NC	NS
Radium 226[a]	0.4	1.2	0.5	0.7	NC	**
Radium 228[a]	<0.9	1.8	<0.9	1.1	NC	**

NOTES: Pesticide, heptachlor at a concentration of 0.20 ug/L was identified during the 6/27/96 sampling event
All units are in mg/L unless otherwise specified.
NA = Not Analyzed
NS = No Standard
NC = No sample collected due to limited sample volume
[a] Units are in pCi/L

Waters Edge Job No. G1-01

Table 3 Historical Results Metals and Inorganic Parameters—MW-6

Parameter	6/2/95	9/19/95	12/18/95	3/19/96	6/27/96	9/17/96	12/4/96	3/27/97	6/6/97	NCAC 2L
Arsenic	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.05
Barium	0.405	0.192	0.170	0.220	0.230	0.30	0.21	0.23	0.44	2.0
Cadmium	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.005
Chloride	3.5	2.5	2.2	3.6	4.8	3.2	2.0	3.7	5.1	250.0
Chromium	<0.010	0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.031	0.05
Fluoride, Total	0.12	0.14	<0.1	<0.10	<0.2	<0.2	<0.1	<0.2	<0.2	2.0
Iron	22	2.1	0.65	6.30	6.00	7.5	0.22	0.47	21	0.3
Lead	<0.10	<0.10	<0.005	<0.005	<0.005	0.009	<0.005	<0.005	0.010	0.015
Manganese	0.796	0.130	0.070	0.210	0.220	0.30	0.0440	0.0930	0.66	0.05
Mercury	<0.0002	<0.0002	<0.0002	<0.0002	0.003	0.0003	0.0002	0.00033	0.0013	0.0011
Nitrogen, Nitrate	2.2	3.1	2.1	4.7	4.6	2.4	1.8	2.8	2.4	10.0
Phenol, Low Level	<0.002	<0.002	<0.005	<0.005	<0.005	NA	NA	NA	NA	0.30
Selenium	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.05
Silver	<0.005	<0.010	<0.005	<0.005	<0.010	<0.050	<0.050	<0.050	<0.050	0.018
Sodium	5.9	5.0	6.8	5.2	5.0	5.0	5.0	4.8	5.3	NS
Sulfate	2.0	2	<1.0	<1.0	<5	<5	<50	<5	<5	250.0
Total Organic Carbon	1	<1	2.4	1	2.9	<1	<1	3	1	NS
Total Organic Halides	.007	0.018	NC	0.009	0.0311	0.012	0.0272	0.013	0.019	NS
Gross Alpha[a]	<1.0	1.7	1.4	2.1	3.7	2.1	1.5	3.5	3.4	15
Gross Beta[a]	3.9	3.5	2.8	4.1	3.4	2.6	3.4	4	3.5	NS
Radium 226[a]	1.2	0.5	0.5	0.4	0.6	0.2	0.6	0.3	1.7	**
Radium 228[a]	1.3	<0.9	1.0	0.8	1.1	<1.1	0.9	<0.8	1.1	**

NOTES: Pesticide, heptachlor at a concentration of 0.33 ug/L was identified during the 6/27/96 sampling event.
All units are in mg/L unless otherwise specified.
NA = Not Analyzed
NS = No Standard
NC = No sample collected due to limited sample volume
[a] Units are in pCi/L.

Waters Edge Job No. G1-01

Table 3 Historical Results Metals and Inorganic Parameters—MW-6 (cont'd)

Parameter	9/15/97	12/16/97	3/4/98	6/16/98	12/16/98	NCAC 2L
Arsenic	<0.005	<0.005	<0.005	<0.005	<0.005	0.05
Barium	0.20	0.27	0.21	0.38	0.17	2.0
Cadmium	<0.010	<0.010	<0.010	<0.010	<0.010	0.005
Chloride	3.0	2	2	3	3.0	250.0
Chromium	<0.010	<0.010	<0.010	0.025	<0.010	0.05
Fluoride, Total	<0.2	<0.2	<0.2	<0.2	<0.2	2.0
Iron	3.8	8.6	4.7	17	0.80	0.3
Lead	<0.005	0.008	<0.005	0.010	<0.005	0.015
Manganese	0.18	0.30	0.17	0.57	0.072	0.05
Mercury	0.0007	0.0003	0.0009	0.0034	<0.0002	0.0011
Nitrogen, Nitrate	1.8	1.7	1.9	2.0	1.8	10.0
Phenol, Low Level	NA	NA	NA	NA	NA	0.30
Selenium	<0.005	<0.005	<0.005	<0.005	<0.005	0.05
Silver	<0.050	<0.050	<0.050	<0.050	<0.050	0.018
Sodium	5.5	6.5	5.3	4.7	4.2	NS
Sulfate	<10	<10	<5	<10	<5.0	250.0
Total Organic Carbon	1	1	6.6	2.8	2.2	NS
Total Organic Halides	<0.005	0.017	<0.005	<0.005	<0.030	NS
Gross Alpha[a]	2.7	5.1	1.5	3.2	2.1	15
Gross Beta[a]	2.3	3.7	2.3	4.0	4.5	NS
Radium 226[a]	0.3	1.5	0.3	1.0	0.5	**
Radium 228[a]	<1.0	<0.8	<0.8	1.2	<1.0	**

NOTES: Pesticide, heptachlor at a concentration of 0.33 ug/L was identified during the 6/27/96 sampling event
All units are in mg/L unless otherwise specified.
NA = Not Analyzed
NS = No Standard
NC = No sample collected due to limited sample volume
[a] Units are in pCi/L

Waters Edge Job No. G1-01

Table 3 Historical Results Metals and Inorganic Parameters—MW-7

Parameter	6/2/95	9/19/95	12/18/95	3/19/96	6/27/96	9/17/96	12/4/96	3/27/97	6/5/97	NCAC 2L
Arsenic	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.05
Barium	2.43	2.6	1.2	0.7	0.21	0.21	0.13	0.11	0.14	2.0
Cadmium	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.005
Chloride	3.5	1.5	<2.7	2.4	2.4	2.7	2.0	2.9	3.2	250.0
Chromium	0.143	0.185	0.063	0.048	<0.010	<0.010	<0.010	<0.010	<0.010	0.05
Fluoride, Total	0.12	0.16	0.14	<0.10	<0.2	<0.2	<0.1	<0.2	<0.2	2.0
Iron	210	190	64	54	13	12	0.21	0.63	8.0	0.3
Lead	0.13	0.12	0.034	0.025	0.006	0.007	<0.005	<0.005	<0.005	0.015
Manganese	5.59	6.6	2.68	1.4	0.39	0.44	0.06	0.07	0.21	0.05
Mercury	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0011
Nitrogen, Nitrate	1.1	2.8	1.4	1.3	1.3	1.7	1.5	1.2	1.6	10.0
Phenol, Low Level	<0.002	<0.002	<0.005	<0.005	0.008	NA	NA	NA	NA	0.30
Selenium	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.05
Silver	<0.005	<0.010	<0.005	<0.005	<0.01	<0.050	<0.050	<0.050	<0.050	0.018
Sodium	6.4	6.4	6.3	5.7	5.5	5.9	6.1	6.3	7.4	NS
Sulfate	<1	<1	<1	<1.0	<5	<5	<5	<5	<5	250.0
Total Organic Carbon	2	1	3.2	1	1.3	<1	<1	1.9	<1	NS
Total Organic Halides	0.013	0.012	0.019	<0.005	0.0291	<0.005	0.0326	0.026	<0.005	NS
Gross Alpha[a]	10.4	12.0	8.0	5.3	2.9	1.7	1.4	<0.9	1.0	15
Gross Beta[a]	14.1	11.3	6.6	6.6	3.9	2.5	2.6	3.4	2.1	NS
Radium 226[a]	3.3	0.8	3.0	0.8	0.5	0.3	0.5	0.2	0.7	**
Radium 228[a]	4.1	<0.9	2.5	1.2	1.0	<1.2	0.8	<0.8	<0.8	**

NOTES: All units are in mg/L unless otherwise specified
NA = Not Analyzed
NS = No Standard
NC = No sample collected due to limited sample volume
[a] Units are in pCi/L

Waters Edge Job No. G1-01

Table 3 Historical Results Metals and Inorganic Parameters—MW-7 (cont'd)

Parameter	9/16/97	12/16/97	3/6/98	6/17/98	12/16/98	6/29/99	12/14/99	6/29/00	NCAC 2L
Arsenic	<0.005	<0.005	<0.010	<0.005	<0.005	<0.005	<0.005	<0.005	0.05
Barium	0.33	0.59	0.16	0.14	0.63	0.31	0.48	0.35	2.0
Cadmium	<0.010	<0.010	<0.010	<0.010	<0.010	<0.001	<0.001	<0.001	0.005
Chloride	3.0	2	2	2	0.042	<1.0	6.3	5.8	250.0
Chromium	0.021	0.039	<0.010	<0.010	<0.2	0.02	0.019	0.021	0.05
Fluoride, Total	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.24	<0.2	2.0
Iron	23	42	9.7	7.3	51	22	20	26	0.3
Lead	0.012	0.021	0.005	<0.005	0.022	0.014	0.014	0.0086	0.015
Manganese	0.63	1.2	0.26	0.19	1.3	0.60	0.70	0.72	0.05
Mercury	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0011
Nitrogen, Nitrate	1.3	1.3	1.5	1.2	1.0	0.97	0.012	0.079	10.0
Phenol, Low Level	NA	NA	NA	NA	NA	NA	NA	NA	0.30
Selenium	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.05
Silver	<0.050	<0.050	<0.050	<0.050	<0.05	<0.002	<0.002	0.0027	0.018
Sodium	7.2	8.4	7.7	7.1	5.6	6.8	6.9	6.9	NS
Sulfate	<10	<10	<5	<10	<5.0	<5.0	<5	5.5	250.0
Total Organic Carbon	<1	<1	1.1	0.97	0.70	(See Table 4)	(See Table 4)	(See Table 4)	NS
Total Organic Halides	<0.005	0.009	<0.005	<0.005	<0.030	(See Table 4)	(See Table 4)	(See Table 4)	NS
Gross Alpha[a]	2.6	4.1	1.5	1.3	3.9	3.3	6.5	3.9	15
Gross Beta[a]	2.8	4.7	3.4	1.5	0.8	5.1	7.2	6.0	NS
Radium 226[a]	1.0	0.8	0.2	0.7	<1.0	1.2	1.3	0.7	**
Radium 228[a]	<0.9	<0.8	<0.8	<0.9	<1.0	1.3	<1.0	3.6	**

NOTES: All units are in mg/L unless otherwise specified
NA = Not Analyzed
NS = No Standard
NC = No sample collected due to limited sample volume
[a] Units are in pCi/L

Waters Edge Job No. G1-01

Table 3 Historical Results Metals and Inorganic Parameters—MW-8

Parameter	6/2/95	9/19/95	12/18/95	3/20/96	6/27/96	9/17/96	12/4/96	3/27/97	6/5/97	NCAC 2L
Arsenic	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.05
Barium	0.800	0.730	0.74	0.88	0.28	0.17	0.15	0.12	0.11	2.0
Cadmium	<0.010	<0.010	<0.010	<0.010	<0.01	<0.010	<0.010	<0.010	<0.010	0.005
Chloride	2.5	2.5	5.0	2.2	2.9	3.5	2.2	2.7	3.2	250.0
Chromium	<0.010	0.022	0.017	0.024	<0.01	<0.010	<0.010	<0.010	<0.010	0.05
Fluoride, Total	0.21	0.14	<0.1	<0.10	<0.2	<0.2	<0.1	<0.2	<0.2	2.0
Iron	26	27	27	35	9.9	3.0	0.11	0.12	2.8	0.3
Lead	<0.10	<0.10	0.035	0.046	0.013	<0.005	<0.005	<0.005	<0.005	0.015
Manganese	1.07	1.34	1.26	1.2	0.32	0.11	0.026	0.024	0.077	0.05
Mercury	0.0002	0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0011
Nitrogen, Nitrate	1.4	3.4	1.2	1.2	1.6	1.4	1.4	1.3	1.4	10.0
Phenol, Low Level	<0.002	<0.002	<0.005	<0.005	0.007	NA	NA	NA	NA	0.30
Selenium	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.05
Silver	<0.005	<0.010	<0.005	<0.005	<0.010	<0.050	<0.050	<0.050	<0.050	0.018
Sodium	2.3	2.6	2.5	2.3	5	3.3	2.3	2.5	5.5	NS
Sulfate	1	<1.0	<1.0	<1.0	<5	<5	<5	<5	<5	250.0
Total Organic Carbon	2	<1.0	2.3	2	1.5	<1	<1	1.1	<1	NS
Total Organic Halides	<0.005	0.027	<0.005	<0.005	0.0181	0.023	0.0134	0.010	<0.005	NS
Gross Alpha[a]	4.9	6.3	6.1	5.4	2.0	1.0	2.0	2.3	0.8	15
Gross Beta[a]	5.6	7.2	5.4	5.7	3.6	2.2	4.3	3.7	2.1	NS
Radium 226[a]	3.6	0.4	2.4	0.7	0.3	1.1	1.4	1	0.5	**
Radium 228[a]	1.8	<0.9	1.2	1.1	0.9	1.2	0.9	<0.8	<0.8	**

NOTES: All units are in mg/L unless otherwise specified
NA = Not Analyzed
NS = No Standard
NC = No sample collected due to limited sample volume
[a] Units are in pCi/L

Waters Edge Job No. G1-01

Table 3 Historical Results Metals and Inorganic Parameters—MW-8 (cont'd)

Parameter	9/16/97	12/15/97	3/5/98	6/17/98	12/15/98	6/30/99	12/14/99	6/29/00	NCAC 2L
Arsenic	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.012	0.05
Barium	0.11	0.24	0.29	0.16	0.41	0.034	0.22	1.1	2.0
Cadmium	<0.010	<0.010	<0.010	<0.010	<0.01	<0.001	<0.001	<0.001	0.005
Chloride	2.3	3	2	2	3.3	1.4	<5	<5	250.0
Chromium	<0.010	<0.010	<0.010	<0.010	<0.01	<0.0037	0.0067	0.027	0.05
Fluoride, Total	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.28	<0.2	2.0
Iron	2.7	8.3	8.3	3.9	13	6.8	5.6	42	0.3
Lead	0.006	<0.10	0.015	0.007	0.019	0.017	0.014	0.61	0.015
Manganese	0.070	0.23	0.23	0.12	0.33	0.26	0.15	1.0	0.05
Mercury	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0011
Nitrogen, Nitrate	1.5	1.4	1.4	1.4	1.3	1.3	1.1	0.50	10.0
Phenol, Low Level	NA	NA	NA	NA	NA	NA	NA	NA	0.30
Selenium	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.005	0.05
Silver	<0.050	<0.050	<0.050	<0.050	2.0	<0.002	<0.002	<0.002	0.018
Sodium	4.9	3.8	3.0	6.2	<5.0	2.7	3.8	3.3	NS
Sulfate	<10	<10	<5	<10	1.0	<5	<5	5.5	250.0
Total Organic Carbon	4	<1	0.66	0.78	1.0	(See Table 4)	(See Table 4)	(See Table 4)	NS
Total Organic Halides	<0.005	<0.005	<0.005	7.1	<0.03	NA	NA	NA	NS
Gross Alpha[a]	1.0	1.7	0.9	1.4	2.4	2.4	1.9	17.7	15
Gross Beta[a]	2.9	2.9	3.1	4.6	3.6	3.6	3.1	19.5	NS
Radium 226[a]	0.5	0.6	0.4	0.8	0.6	1.0	<0.2	3.7	**
Radium 228[a]	<0.9	<0.8	1.3	<0.9	<1.0	1.1	<1.0	6.3	**

NOTES: All units are in mg/L unless otherwise specified
NA = Not Analyzed
NS = No Standard
NC = No sample collected due to limited sample volume
[a] Units are in pCi/L

Waters Edge Job No. G1-01

Table 3 Historical Results Metals and Inorganic Parameters—MW-9

Parameter	9/29/98	12/15/98	3/2/99	6/30/99	12/14/99	6/29/00	NCAC 2L
Arsenic	<0.0017	0.0096	<0.005	0.0056	<0.005	0.011	0.05
Barium	1.2	6.0	2.5	0.83	1.5	1.1	2.0
Cadmium	<0.05	<0.1	<0.01	<0.001	<0.001	<0.001	0.005
Chloride	2.6	4.3	1.0	<1.0	<5	<5	250.0
Chromium	<0.05	<0.1	0.039	0.04	0.0094	0.022	0.05
Fluoride, Total	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	2.0
Iron	170	600	220	69	37	120	0.3
Lead	0.0095	0.068	0.097	0.03	0.016	0.038	0.015
Manganese	5.9	20	8.4	2.7	1.3	3.5	0.05
Mercury	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0011
Nitrogen, Nitrate	0.55	0.77	1.2	0.57	1.1	0.63	10.0
Phenol, Low Level	NA	NA	NA	NA	NA	NA	0.30
Selenium	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.05
Silver	<0.25	<0.5	<0.5	<0.002	<0.002	<0.002	0.018
Sodium	5.0	7.4	5.5	5.2	5.1	4.9	NS
Sulfate	<5.0	<5.0	<5.0	<5.0	<5	<5	250.0
Total Organic Carbon	3.0	1.6	(See Table 4)	(See Table 4)	(See Table 4)	(See Table 4)	NS
Total Organic Halides	0.004	<0.03	(See Table 4)	(See Table 4)	(See Table 4)	(See Table 4)	NS
Gross Alpha[a]	11.4	21.7	14.0	12.0	16.3	11.0	15
Gross Beta[a]	8.0	17.0	11.8	9.5	12.8	9.3	NS
Radium 226[a]	1.1	4.0	2.1	3.4	2.3	2.0	**
Radium 228[a]	2.3	3.1	2.0	2.9	3.2	2.5	**

NOTES: Bis(2-ethylhexyl)phthalate at a concentration of 0.031 ug/L was identified during the 9/29/98 sampling event
All units are in mg/L unless otherwise specified.
NA = Not Analyzed
NS = No Standard
NC = No sample collected due to limited sample volume
[a] Units are in pCi/L.

Waters Edge Job No. G1-01

Table 4 June 29 and 30, 2000, Replicates for MW-2, MW-7, MW-8, and MW-9, Third Creek Monofill Site, Statesville, North Carolina

Sample	TOC (mg/L)	TOX (mg/L)	pH (S.U.)	Conductivity (umhos/cm)
MW-2A	2.09	0.00604	5.17	120
MW-2B	1.06	0.00106	5.18	120
MW-2C	2.17	0.00957	5.2	120
MW-2D	<1.0	<0.005	5.26	120
MW-7A	<1.0	0.00925	6.09	120
MW-7B	<1.0	0.00666	6.18	110
MW-7C	<1.0	0.005	6.19	100
MW-7D	<1.0	<0.00534	6.19	100
MW-8A	<1.0	<0.005	5.9	38
MW-8B	<1.0	<0.005	5.93	37
MW-8C	<1.0	<0.005	5.9	39
MW-8D	<1.0	<0.005	5.9	36
MW-9A	<1.0	<0.005	5.65	71
MW-9B	<1.0	<0.005	5.64	70
MW-9C	<1.0	<0.005	5.69	69
MW-9D	<1.0	<0.005	5.6	72

Notes:

mg/L = Milligrams per liter.
S.U. = Standard Units.
umhos/cm = Micromhos per centimeter.

Waters Edge Job No. GR1-01

Pace Analytical™
www.pacelabs.com

RECEIVED
JAN 8 2001

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

January 04, 2001

Mr. Ed Kuhn
Waters Edge Environmental
302-L Pomona Drive
Greensboro, NC 27407

RE: Pace Project Number: 9219405
Client Project ID: Statesville-3rd Creek/G1-01

Dear Mr. Kuhn:

Enclosed are the analytical results for sample(s) received by the laboratory on December 19, 2000. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kristi R. Tart

Kristi Tart
Project Manager

Enclosures

Laboratory Certification IDs	
NC Wastewater	12
NC Drinking Water	37706
SC	99006

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Laboratory Certification IDs	
KY Drinking Water	90090
TN UST List	
VA Drinking Water	213

Pace Analytical™
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

DATE: 01/04/01
PAGE: 1

Waters Edge Environmental
302-L Pomona Drive
Greensboro, NC 27407

Pace Project Number: 9219405
Client Project ID: Statesville-3rd Creek/G1-01

Attn: Mr. Ed Kuhn
Phone: (336)852-5003

Solid results are reported on a dry weight basis

Pace Sample No: 921382636 Date Collected: 12/19/00 Matrix: Water
Client Sample ID: MW-9 Date Received: 12/19/00

Parameters	Results	Units	PRL	App. DF	Analyzed	Analyst	CAS#	Footnotes
Metals								
Trace ICP Metals	Method: EPA 200.7				Prep Method: EPA 200.7			
Arsenic	0.0098	mg/l	0.005	1.00	12/27/00	RWF	7440-38-2	
Barium	0.91	mg/l	0.005	1.00	12/27/00	RWF	7440-39-3	
Cadmium	ND	mg/l	0.001	1.00	12/27/00	RWF	7440-43-9	
Chromium	0.016	mg/l	0.002	1.00	12/27/00	RWF	7440-47-3	
Lead	0.024	mg/l	0.005	1.00	12/27/00	RWF	7439-92-1	
Nickel	0.0089	mg/l	0.005	1.00	12/27/00	RWF	7440-02-0	
Selenium	ND	mg/l	0.005	1.00	12/27/00	RWF	7782-49-2	
Silver	ND	mg/l	0.002	1.00	12/27/00	RWF	7440-22-4	
Date Digested					12/26/00			
Mercury, CVAAS, in Water	Method: EPA 245.1				Prep Method: EPA 245.1			
Mercury	ND	mg/l	0.0002	1.00	12/28/00	DJR	7439-97-6	
GC/MS Volatiles								
GC/MS VOCs by 8260	Method: EPA 8260				Prep Method: EPA 8260			
Dichlorodifluoromethane	ND	ug/l	10	1.00	12/28/00	JRS	75-71-8	
Chloromethane	ND	ug/l	10	1.00	12/28/00	JRS	74-87-3	
Vinyl Chloride	ND	ug/l	10	1.00	12/28/00	JRS	75-01-4	
Bromomethane	ND	ug/l	10	1.00	12/28/00	JRS	74-83-9	
Chloroethane	ND	ug/l	10	1.00	12/28/00	JRS	75-00-3	
Trichlorofluoromethane	ND	ug/l	10	1.00	12/28/00	JRS	75-69-4	
1,1-Dichloroethene	ND	ug/l	5	1.00	12/28/00	JRS	75-35-4	
Methylene Chloride	ND	ug/l	5	1.00	12/28/00	JRS	75-09-2	
trans-1,2-Dichloroethene	ND	ug/l	5	1.00	12/28/00	JRS	156-60-5	
1,1-Dichloroethane	ND	ug/l	5	1.00	12/28/00	JRS	75-34-3	

Laboratory Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Laboratory Certification IDs
KY Drinking Water 90090
TN UST List
VA Drinking Water 213

Pace Analytical™
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

DATE: 01/04/01

Pace Project Number: 9219405
Client Project ID: Statesville-3rd Creek/G1-01

Pace Sample No: 921382636 | Date Collected: 12/19/00 | Matrix: Water
Client Sample ID: MW-9 | Date Received: 12/19/00

Parameters	Results	Units	PRL	App. DF	Analyzed	Analyst	CAS#	Footnotes
cis-1,2-Dichloroethene	ND	ug/l	5	1.00	12/28/00	JRS	156-59-2	
2,2-Dichloropropane	ND	ug/l	5	1.00	12/28/00	JRS	594-20-7	
Chloroform	ND	ug/l	5	1.00	12/28/00	JRS	67-66-3	
Bromochloromethane	ND	ug/l	5	1.00	12/28/00	JRS	74-97-5	
1,1,1-Trichloroethane	ND	ug/l	5	1.00	12/28/00	JRS	71-55-6	
1,1-Dichloropropene	ND	ug/l	5	1.00	12/28/00	JRS	563-58-6	
1,2-Dichloroethane	ND	ug/l	5	1.00	12/28/00	JRS	107-06-2	
Carbon Tetrachloride	ND	ug/l	5	1.00	12/28/00	JRS	56-23-5	
Benzene	ND	ug/l	5	1.00	12/28/00	JRS	71-43-2	
Trichloroethene	ND	ug/l	5	1.00	12/28/00	JRS	79-01-6	
1,2-Dichloropropane	ND	ug/l	5	1.00	12/28/00	JRS	78-87-5	
Dibromomethane	ND	ug/l	5	1.00	12/28/00	JRS	74-95-3	
Bromodichloromethane	ND	ug/l	5	1.00	12/28/00	JRS	75-27-4	
Toluene	ND	ug/l	5	1.00	12/28/00	JRS	108-88-3	
1,1,2-Trichloroethane	ND	ug/l	5	1.00	12/28/00	JRS	79-00-5	
1,3-Dichloropropane	ND	ug/l	5	1.00	12/28/00	JRS	142-28-9	
Dibromochloromethane	ND	ug/l	5	1.00	12/28/00	JRS	124-48-1	
Tetrachloroethene	ND	ug/l	5	1.00	12/28/00	JRS	127-18-4	
1,2-Dibromoethane	ND	ug/l	5	1.00	12/28/00	JRS	106-93-4	
Chlorobenzene	ND	ug/l	5	1.00	12/28/00	JRS	108-90-7	
1,1,1,2-Tetrachloroethane	ND	ug/l	5	1.00	12/28/00	JRS	630-20-6	
Ethylbenzene	ND	ug/l	5	1.00	12/28/00	JRS	100-41-4	
m&p-Xylene	ND	ug/l	10	1.00	12/28/00	JRS	7816-60-0	
Styrene	ND	ug/l	5	1.00	12/28/00	JRS	100-42-5	
o-Xylene (1,2-Dimethylbenzene)	ND	ug/l	5	1.00	12/28/00	JRS	95-47-6	
Bromoform	ND	ug/l	5	1.00	12/28/00	JRS	75-25-2	
1,1,2,2-Tetrachloroethane	ND	ug/l	5	1.00	12/28/00	JRS	79-34-5	
Isopropylbenzene (Cumene)	ND	ug/l	5	1.00	12/28/00	JRS	98-82-8	
1,2,3-Trichloropropane	ND	ug/l	5	1.00	12/28/00	JRS	96-18-4	
Bromobenzene	ND	ug/l	5	1.00	12/28/00	JRS	108-86-1	
n-Propylbenzene	ND	ug/l	5	1.00	12/28/00	JRS	103-65-1	
2-Chlorotoluene	ND	ug/l	5	1.00	12/28/00	JRS	95-49-8	
4-Chlorotoluene	ND	ug/l	5	1.00	12/28/00	JRS	106-43-4	
1,3,5-Trimethylbenzene	ND	ug/l	5	1.00	12/28/00	JRS	108-67-8	
tert-Butylbenzene	ND	ug/l	5	1.00	12/28/00	JRS	98-06-6	
1,2,4-Trimethylbenzene	ND	ug/l	5	1.00	12/28/00	JRS	95-63-6	
sec-Butylbenzene	ND	ug/l	5	1.00	12/28/00	JRS	135-98-8	
1,3-Dichlorobenzene	ND	ug/l	5	1.00	12/28/00	JRS	541-73-1	
p-Isopropyltoluene	ND	ug/l	5	1.00	12/28/00	JRS	99-87-6	
1,4-Dichlorobenzene	ND	ug/l	5	1.00	12/28/00	JRS	106-46-7	

Laboratory Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Laboratory Certification IDs
KY Drinking Water 90090
TN UST List
VA Drinking Water 213

Pace Analytical™
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Project Number: 9219405
Client Project ID: Statesville-3rd Creek/G1-01

Pace Sample No: 921382636 Date Collected: 12/19/00 Matrix: Water
Client Sample ID: MW-9 Date Received: 12/19/00

Parameters	Results	Units	PRL	App. DF	Analyzed	Analyst	CAS#	Footnotes
1,2-Dichlorobenzene	ND	ug/l	5	1.00	12/28/00	JRS	95-50-1	
n-Butylbenzene	ND	ug/l	5	1.00	12/28/00	JRS	104-51-8	
1,2-Dibromo-3-Chloropropane	ND	ug/l	5	1.00	12/28/00	JRS	96-12-8	
1,2,4-Trichlorobenzene	ND	ug/l	5	1.00	12/28/00	JRS	120-82-1	
Naphthalene	ND	ug/l	5	1.00	12/28/00	JRS	91-20-3	
Hexachloro-1,3-butadiene	ND	ug/l	5	1.00	12/28/00	JRS	87-68-3	
1,2,3-Trichlorobenzene	ND	ug/l	5	1.00	12/28/00	JRS	87-61-6	
Dibromofluoromethane (S)	102	%		1.00	12/28/00	JRS	1868-53-7	
1,2-Dichloroethane-d4 (S)	101	%		1.00	12/28/00	JRS	17060-07-0	
Toluene-d8 (S)	95	%		1.00	12/28/00	JRS	2037-26-5	
4-Bromofluorobenzene (S)	105	%		1.00	12/28/00	JRS	460-00-4	

GC/MS Semivolatiles

Semivolatile Organics	Method: EPA 8270				Prep Method: EPA 3510			
1,3-Dichlorobenzene	ND	ug/l	10	1.00	12/27/00	DHJ	541-73-1	
1,4-Dichlorobenzene	ND	ug/l	10	1.00	12/27/00	DHJ	106-46-7	
1,2-Dichlorobenzene	ND	ug/l	10	1.00	12/27/00	DHJ	95-50-1	
Benzoic Acid	ND	ug/l	50	1.00	12/27/00	DHJ	65-85-0	
N-Nitrosodimethylamine	ND	ug/l	10	1.00	12/27/00	DHJ	62-75-9	
Phenol	ND	ug/l	10	1.00	12/27/00	DHJ	108-95-2	
bis(2-Chloroethyl)ether	ND	ug/l	10	1.00	12/27/00	DHJ	111-44-4	
2-Chlorophenol	ND	ug/l	10	1.00	12/27/00	DHJ	95-57-8	
Benzyl Alcohol	ND	ug/l	20	1.00	12/27/00	DHJ	100-51-6	
2-Methylphenol	ND	ug/l	10	1.00	12/27/00	DHJ	95-48-7	
bis(2-Chloroisopropyl)ether	ND	ug/l	10	1.00	12/27/00	DHJ	39638-32-9	
N-Nitroso-di-n-propylamine	ND	ug/l	10	1.00	12/27/00	DHJ	621-64-7	
Hexachloroethane	ND	ug/l	10	1.00	12/27/00	DHJ	67-72-1	
Nitrobenzene	ND	ug/l	10	1.00	12/27/00	DHJ	98-95-3	
Isophorone	ND	ug/l	10	1.00	12/27/00	DHJ	78-59-1	
2-Nitrophenol	ND	ug/l	10	1.00	12/27/00	DHJ	88-75-5	
2,4-Dimethylphenol	ND	ug/l	10	1.00	12/27/00	DHJ	105-67-9	
bis(2-Chloroethoxy)methane	ND	ug/l	10	1.00	12/27/00	DHJ	111-91-1	
2,4-Dichlorophenol	ND	ug/l	10	1.00	12/27/00	DHJ	120-83-2	
1,2,4-Trichlorobenzene	ND	ug/l	10	1.00	12/27/00	DHJ	120-82-1	
Naphthalene	ND	ug/l	10	1.00	12/27/00	DHJ	91-20-3	
4-Chloroaniline	ND	ug/l	20	1.00	12/27/00	DHJ	106-47-8	
Hexachloro-1,3-butadiene	ND	ug/l	10	1.00	12/27/00	DHJ	87-68-3	
4-Chloro-3-methylphenol	ND	ug/l	20	1.00	12/27/00	DHJ	59-50-7	
2-Methylnaphthalene	ND	ug/l	10	1.00	12/27/00	DHJ	91-57-6	

Laboratory Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Laboratory Certification IDs
KY Drinking Water 90090
TN UST List
VA Drinking Water 213

Pace Analytical™
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Project Number: 9219405
Client Project ID: Statesville-3rd Creek/G1-01

Pace Sample No: 921382636 | Date Collected: 12/19/00 | Matrix: Water
Client Sample ID: MW-9 | Date Received: 12/19/00

Parameters	Results	Units	PRL	App. DF	Analyzed	Analyst	CAS#	Footnotes
Hexachlorocyclopentadiene	ND	ug/l	10	1.00	12/27/00	DHJ	77-47-4	
2,4,6-Trichlorophenol	ND	ug/l	10	1.00	12/27/00	DHJ	88-06-2	
2,4,5-Trichlorophenol	ND	ug/l	50	1.00	12/27/00	DHJ	95-95-4	
2-Chloronaphthalene	ND	ug/l	10	1.00	12/27/00	DHJ	91-58-7	
2-Nitroaniline	ND	ug/l	50	1.00	12/27/00	DHJ	88-74-4	
Dimethylphthalate	ND	ug/l	10	1.00	12/27/00	DHJ	131-11-3	
Acenaphthylene	ND	ug/l	10	1.00	12/27/00	DHJ	208-96-8	
2,6-Dinitrotoluene	ND	ug/l	10	1.00	12/27/00	DHJ	606-20-2	
3-Nitroaniline	ND	ug/l	50	1.00	12/27/00	DHJ	99-09-2	
Acenaphthene	ND	ug/l	10	1.00	12/27/00	DHJ	83-32-9	
2,4-Dinitrophenol	ND	ug/l	50	1.00	12/27/00	DHJ	51-28-5	
4-Nitrophenol	ND	ug/l	50	1.00	12/27/00	DHJ	100-02-7	
Dibenzofuran	ND	ug/l	10	1.00	12/27/00	DHJ	132-64-9	
2,4-Dinitrotoluene	ND	ug/l	10	1.00	12/27/00	DHJ	121-14-2	
Diethylphthalate	ND	ug/l	10	1.00	12/27/00	DHJ	84-66-2	
4-Chlorophenyl-phenylether	ND	ug/l	10	1.00	12/27/00	DHJ	7005-72-3	
Fluorene	ND	ug/l	10	1.00	12/27/00	DHJ	86-73-7	
4-Nitroaniline	ND	ug/l	50	1.00	12/27/00	DHJ	100-01-6	
4,6-Dinitro-2-methylphenol	ND	ug/l	50	1.00	12/27/00	DHJ	534-52-1	
N-Nitrosodiphenylamine	ND	ug/l	10	1.00	12/27/00	DHJ	86-30-6	
4-Bromophenyl-phenylether	ND	ug/l	10	1.00	12/27/00	DHJ	101-55-3	
Hexachlorobenzene	ND	ug/l	10	1.00	12/27/00	DHJ	118-74-1	
Pentachlorophenol	ND	ug/l	50	1.00	12/27/00	DHJ	87-86-5	
Phenanthrene	ND	ug/l	10	1.00	12/27/00	DHJ	85-01-8	
Anthracene	ND	ug/l	10	1.00	12/27/00	DHJ	120-12-7	
Di-n-butylphthalate	ND	ug/l	10	1.00	12/27/00	DHJ	84-74-2	
Fluoranthene	ND	ug/l	10	1.00	12/27/00	DHJ	206-44-0	
Pyrene	ND	ug/l	10	1.00	12/27/00	DHJ	129-00-0	
Butylbenzylphthalate	ND	ug/l	10	1.00	12/27/00	DHJ	85-68-7	
3,3'-Dichlorobenzidine	ND	ug/l	20	1.00	12/27/00	DHJ	91-94-1	
Benzo(a)anthracene	ND	ug/l	10	1.00	12/27/00	DHJ	56-55-3	
Chrysene	ND	ug/l	10	1.00	12/27/00	DHJ	218-01-9	
bis(2-Ethylhexyl)phthalate	ND	ug/l	10	1.00	12/27/00	DHJ	117-81-7	
Di-n-octylphthalate	ND	ug/l	10	1.00	12/27/00	DHJ	117-84-0	
Benzo(b)fluoranthene	ND	ug/l	10	1.00	12/27/00	DHJ	205-99-2	
Benzo(k)fluoranthene	ND	ug/l	10	1.00	12/27/00	DHJ	207-08-9	
Benzo(a)pyrene	ND	ug/l	10	1.00	12/27/00	DHJ	50-32-8	
Indeno(1,2,3-cd)pyrene	ND	ug/l	10	1.00	12/27/00	DHJ	193-39-5	
Dibenz(a,h)anthracene	ND	ug/l	10	1.00	12/27/00	DHJ	53-70-3	
Benzo(g,h,i)perylene	ND	ug/l	10	1.00	12/27/00	DHJ	191-24-2	

Laboratory Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Laboratory Certification IDs
KY Drinking Water 90090
TN UST List
VA Drinking Water 213

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Project Number: 9219405
Client Project ID: Statesville-3rd Creek/G1-01

Pace Sample No: 921382636 Date Collected: 12/19/00 Matrix: Water
Client Sample ID: MW-9 Date Received: 12/19/00

Parameters	Results	Units	PRL	App. DF	Analyzed	Analyst	CAS#	Footnotes
1,2-Diphenylhydrazine	ND	ug/l	20	1.00	12/27/00	DHJ	122-66-7	
Aniline	ND	ug/l	10	1.00	12/27/00	DHJ	62-53-3	
3&4-Methylphenol	ND	ug/l	10	1.00	12/27/00	DHJ		
2-Fluorophenol (S)	37	%		1.00	12/27/00	DHJ	367-12-4	
Phenol-d6 (S)	23	%		1.00	12/27/00	DHJ	13127-88-3	
Nitrobenzene-d5 (S)	67	%		1.00	12/27/00	DHJ	4165-60-0	
2-Fluorobiphenyl (S)	65	%		1.00	12/27/00	DHJ	321-60-8	
2,4,6-Tribromophenol (S)	95	%		1.00	12/27/00	DHJ	118-79-6	
Terphenyl-d14 (S)	91	%		1.00	12/27/00	DHJ	1718-51-0	
Date Extracted					12/21/00			

Pace Sample No: 921382644 Date Collected: 12/19/00 Matrix: Water
Client Sample ID: MW-7 Date Received: 12/19/00

Parameters	Results	Units	PRL	App. DF	Analyzed	Analyst	CAS#	Footnotes
Metals								
Trace ICP Metals	Method: EPA 200.7				Prep Method: EPA 200.7			
Arsenic	0.0055	mg/l	0.005	1.00	12/27/00	RWF	7440-38-2	
Barium	0.56	mg/l	0.005	1.00	12/27/00	RWF	7440-39-3	
Cadmium	ND	mg/l	0.001	1.00	12/27/00	RWF	7440-43-9	
Chromium	0.035	mg/l	0.002	1.00	12/27/00	RWF	7440-47-3	
Lead	0.017	mg/l	0.005	1.00	12/27/00	RWF	7439-92-1	
Nickel	0.014	mg/l	0.005	1.00	12/27/00	RWF	7440-02-0	
Selenium	ND	mg/l	0.005	1.00	12/27/00	RWF	7782-49-2	
Silver	ND	mg/l	0.002	1.00	12/27/00	RWF	7440-22-4	
Date Digested					12/26/00			
Mercury, CVAAS, in Water	Method: EPA 245.1				Prep Method: EPA 245.1			
Mercury	ND	mg/l	0.0002	1.00	12/28/00	DJR	7439-97-6	
GC/MS Volatiles								
GC/MS VOCs by 8260	Method: EPA 8260				Prep Method: EPA 8260			
Dichlorodifluoromethane	ND	ug/l	10	1.00	12/28/00	JRS	75-71-8	
Chloromethane	ND	ug/l	10	1.00	12/28/00	JRS	74-87-3	
Vinyl Chloride	ND	ug/l	10	1.00	12/28/00	JRS	75-01-4	

Laboratory Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Laboratory Certification IDs
KY Drinking Water 90090
TN UST List
VA Drinking Water 213

Pace Analytical™
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Project Number: 9219405
Client Project ID: Statesville-3rd Creek/G1-01

Pace Sample No: 921382644 Date Collected: 12/19/00 Matrix: Water
Client Sample ID: MW-7 Date Received: 12/19/00

Parameters	Results	Units	PRL	App. DF	Analyzed	Analyst	CAS#	Footnotes
Bromomethane	ND	ug/l	10	1.00	12/28/00	JRS	74-83-9	
Chloroethane	ND	ug/l	10	1.00	12/28/00	JRS	75-00-3	
Trichlorofluoromethane	ND	ug/l	10	1.00	12/28/00	JRS	75-69-4	
1,1-Dichloroethene	ND	ug/l	5	1.00	12/28/00	JRS	75-35-4	
Methylene Chloride	ND	ug/l	5	1.00	12/28/00	JRS	75-09-2	
trans-1,2-Dichloroethene	ND	ug/l	5	1.00	12/28/00	JRS	156-60-5	
1,1-Dichloroethane	ND	ug/l	5	1.00	12/28/00	JRS	75-34-3	
cis-1,2-Dichloroethene	ND	ug/l	5	1.00	12/28/00	JRS	156-59-2	
2,2-Dichloropropane	ND	ug/l	5	1.00	12/28/00	JRS	594-20-7	
Chloroform	ND	ug/l	5	1.00	12/28/00	JRS	67-66-3	
Bromochloromethane	ND	ug/l	5	1.00	12/28/00	JRS	74-97-5	
1,1,1-Trichloroethane	ND	ug/l	5	1.00	12/28/00	JRS	71-55-6	
1,1-Dichloropropene	ND	ug/l	5	1.00	12/28/00	JRS	563-58-6	
1,2-Dichloroethane	ND	ug/l	5	1.00	12/28/00	JRS	107-06-2	
Carbon Tetrachloride	ND	ug/l	5	1.00	12/28/00	JRS	56-23-5	
Benzene	ND	ug/l	5	1.00	12/28/00	JRS	71-43-2	
Trichloroethene	ND	ug/l	5	1.00	12/28/00	JRS	79-01-6	
1,2-Dichloropropane	ND	ug/l	5	1.00	12/28/00	JRS	78-87-5	
Dibromomethane	ND	ug/l	5	1.00	12/28/00	JRS	74-95-3	
Bromodichloromethane	ND	ug/l	5	1.00	12/28/00	JRS	75-27-4	
Toluene	ND	ug/l	5	1.00	12/28/00	JRS	108-88-3	
1,1,2-Trichloroethane	ND	ug/l	5	1.00	12/28/00	JRS	79-00-5	
1,3-Dichloropropane	ND	ug/l	5	1.00	12/28/00	JRS	142-28-9	
Dibromochloromethane	ND	ug/l	5	1.00	12/28/00	JRS	124-48-1	
Tetrachloroethene	ND	ug/l	5	1.00	12/28/00	JRS	127-18-4	
1,2-Dibromoethane	ND	ug/l	5	1.00	12/28/00	JRS	106-93-4	
Chlorobenzene	ND	ug/l	5	1.00	12/28/00	JRS	108-90-7	
1,1,1,2-Tetrachloroethane	ND	ug/l	5	1.00	12/28/00	JRS	630-20-6	
Ethylbenzene	ND	ug/l	5	1.00	12/28/00	JRS	100-41-4	
m&p-Xylene	ND	ug/l	10	1.00	12/28/00	JRS	7816-60-0	
Styrene	ND	ug/l	5	1.00	12/28/00	JRS	100-42-5	
o-Xylene (1,2-Dimethylbenzene)	ND	ug/l	5	1.00	12/28/00	JRS	95-47-6	
Bromoform	ND	ug/l	5	1.00	12/28/00	JRS	75-25-2	
1,1,2,2-Tetrachloroethane	ND	ug/l	5	1.00	12/28/00	JRS	79-34-5	
Isopropylbenzene (Cumene)	ND	ug/l	5	1.00	12/28/00	JRS	98-82-8	
1,2,3-Trichloropropane	ND	ug/l	5	1.00	12/28/00	JRS	96-18-4	
Bromobenzene	ND	ug/l	5	1.00	12/28/00	JRS	108-86-1	
n-Propylbenzene	ND	ug/l	5	1.00	12/28/00	JRS	103-65-1	
2-Chlorotoluene	ND	ug/l	5	1.00	12/28/00	JRS	95-49-8	
4-Chlorotoluene	ND	ug/l	5	1.00	12/28/00	JRS	106-43-4	

Laboratory Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Laboratory Certification IDs
KY Drinking Water 90090
TN UST List
VA Drinking Water 213

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078

Phone: 704.875.9092
Fax: 704.875.9091

Pace Project Number: 9219405
Client Project ID: Statesville-3rd Creek/G1-01

Pace Sample No: 921382644 Date Collected: 12/19/00 Matrix: Water
Client Sample ID: MW-7 Date Received: 12/19/00

Parameters	Results	Units	PRL	App. DF	Analyzed	Analyst	CAS#	Footnotes
1,3,5-Trimethylbenzene	ND	ug/l	5	1.00	12/28/00	JRS	108-67-8	
tert-Butylbenzene	ND	ug/l	5	1.00	12/28/00	JRS	98-06-6	
1,2,4-Trimethylbenzene	ND	ug/l	5	1.00	12/28/00	JRS	95-63-6	
sec-Butylbenzene	ND	ug/l	5	1.00	12/28/00	JRS	135-98-8	
1,3-Dichlorobenzene	ND	ug/l	5	1.00	12/28/00	JRS	541-73-1	
p-Isopropyltoluene	ND	ug/l	5	1.00	12/28/00	JRS	99-87-6	
1,4-Dichlorobenzene	ND	ug/l	5	1.00	12/28/00	JRS	106-46-7	
1,2-Dichlorobenzene	ND	ug/l	5	1.00	12/28/00	JRS	95-50-1	
n-Butylbenzene	ND	ug/l	5	1.00	12/28/00	JRS	104-51-8	
1,2-Dibromo-3-Chloropropane	ND	ug/l	5	1.00	12/28/00	JRS	96-12-8	
1,2,4-Trichlorobenzene	ND	ug/l	5	1.00	12/28/00	JRS	120-82-1	
Naphthalene	ND	ug/l	5	1.00	12/28/00	JRS	91-20-3	
Hexachloro-1,3-butadiene	ND	ug/l	5	1.00	12/28/00	JRS	87-68-3	
1,2,3-Trichlorobenzene	ND	ug/l	5	1.00	12/28/00	JRS	87-61-6	
Dibromofluoromethane (S)	98	%		1.00	12/28/00	JRS	1868-53-7	
1,2-Dichloroethane-d4 (S)	94	%		1.00	12/28/00	JRS	17060-07-0	
Toluene-d8 (S)	92	%		1.00	12/28/00	JRS	2037-26-5	
4-Bromofluorobenzene (S)	108	%		1.00	12/28/00	JRS	460-00-4	

GC/MS Semivolatiles

Semivolatile Organics	Method: EPA 8270				Prep Method: EPA 3510			
1,3-Dichlorobenzene	ND	ug/l	10	1.00	12/27/00	DHJ	541-73-1	
1,4-Dichlorobenzene	ND	ug/l	10	1.00	12/27/00	DHJ	106-46-7	
1,2-Dichlorobenzene	ND	ug/l	10	1.00	12/27/00	DHJ	95-50-1	
Benzoic Acid	ND	ug/l	50	1.00	12/27/00	DHJ	65-85-0	
N-Nitrosodimethylamine	ND	ug/l	10	1.00	12/27/00	DHJ	62-75-9	
Phenol	ND	ug/l	10	1.00	12/27/00	DHJ	108-95-2	
bis(2-Chloroethyl)ether	ND	ug/l	10	1.00	12/27/00	DHJ	111-44-4	
2-Chlorophenol	ND	ug/l	10	1.00	12/27/00	DHJ	95-57-8	
Benzyl Alcohol	ND	ug/l	20	1.00	12/27/00	DHJ	100-51-6	
2-Methylphenol	ND	ug/l	10	1.00	12/27/00	DHJ	95-48-7	
bis(2-Chloroisopropyl)ether	ND	ug/l	10	1.00	12/27/00	DHJ	39638-32-9	
N-Nitroso-di-n-propylamine	ND	ug/l	10	1.00	12/27/00	DHJ	621-64-7	
Hexachloroethane	ND	ug/l	10	1.00	12/27/00	DHJ	67-72-1	
Nitrobenzene	ND	ug/l	10	1.00	12/27/00	DHJ	98-95-3	
Isophorone	ND	ug/l	10	1.00	12/27/00	DHJ	78-59-1	
2-Nitrophenol	ND	ug/l	10	1.00	12/27/00	DHJ	88-75-5	
2,4-Dimethylphenol	ND	ug/l	10	1.00	12/27/00	DHJ	105-67-9	
bis(2-Chloroethoxy)methane	ND	ug/l	10	1.00	12/27/00	DHJ	111-91-1	

Pace Analytical™
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Project Number: 9219405
Client Project ID: Statesville-3rd Creek/G1-01

Pace Sample No: 921382644 | Date Collected: 12/19/00 | Matrix: Water
Client Sample ID: MW-7 | Date Received: 12/19/00

Parameters	Results	Units	PRL	App. DF	Analyzed	Analyst	CAS#	Footnotes
2,4-Dichlorophenol	ND	ug/l	10	1.00	12/27/00	DHJ	120-83-2	
1,2,4-Trichlorobenzene	ND	ug/l	10	1.00	12/27/00	DHJ	120-82-1	
Naphthalene	ND	ug/l	10	1.00	12/27/00	DHJ	91-20-3	
4-Chloroaniline	ND	ug/l	20	1.00	12/27/00	DHJ	106-47-8	
Hexachloro-1,3-butadiene	ND	ug/l	10	1.00	12/27/00	DHJ	87-68-3	
4-Chloro-3-methylphenol	ND	ug/l	20	1.00	12/27/00	DHJ	59-50-7	
2-Methylnaphthalene	ND	ug/l	10	1.00	12/27/00	DHJ	91-57-6	
Hexachlorocyclopentadiene	ND	ug/l	10	1.00	12/27/00	DHJ	77-47-4	
2,4,6-Trichlorophenol	ND	ug/l	10	1.00	12/27/00	DHJ	88-06-2	
2,4,5-Trichlorophenol	ND	ug/l	50	1.00	12/27/00	DHJ	95-95-4	
2-Chloronaphthalene	ND	ug/l	10	1.00	12/27/00	DHJ	91-58-7	
2-Nitroaniline	ND	ug/l	50	1.00	12/27/00	DHJ	88-74-4	
Dimethylphthalate	ND	ug/l	10	1.00	12/27/00	DHJ	131-11-3	
Acenaphthylene	ND	ug/l	10	1.00	12/27/00	DHJ	208-96-8	
2,6-Dinitrotoluene	ND	ug/l	10	1.00	12/27/00	DHJ	606-20-2	
3-Nitroaniline	ND	ug/l	50	1.00	12/27/00	DHJ	99-09-2	
Acenaphthene	ND	ug/l	10	1.00	12/27/00	DHJ	83-32-9	
2,4-Dinitrophenol	ND	ug/l	50	1.00	12/27/00	DHJ	51-28-5	
4-Nitrophenol	ND	ug/l	50	1.00	12/27/00	DHJ	100-02-7	
Dibenzofuran	ND	ug/l	10	1.00	12/27/00	DHJ	132-64-9	
2,4-Dinitrotoluene	ND	ug/l	10	1.00	12/27/00	DHJ	121-14-2	
Diethylphthalate	ND	ug/l	10	1.00	12/27/00	DHJ	84-66-2	
4-Chlorophenyl-phenylether	ND	ug/l	10	1.00	12/27/00	DHJ	7005-72-3	
Fluorene	ND	ug/l	10	1.00	12/27/00	DHJ	86-73-7	
4-Nitroaniline	ND	ug/l	50	1.00	12/27/00	DHJ	100-01-6	
4,6-Dinitro-2-methylphenol	ND	ug/l	50	1.00	12/27/00	DHJ	534-52-1	
N-Nitrosodiphenylamine	ND	ug/l	10	1.00	12/27/00	DHJ	86-30-6	
4-Bromophenyl-phenylether	ND	ug/l	10	1.00	12/27/00	DHJ	101-55-3	
Hexachlorobenzene	ND	ug/l	10	1.00	12/27/00	DHJ	118-74-1	
Pentachlorophenol	ND	ug/l	50	1.00	12/27/00	DHJ	87-86-5	
Phenanthrene	ND	ug/l	10	1.00	12/27/00	DHJ	85-01-8	
Anthracene	ND	ug/l	10	1.00	12/27/00	DHJ	120-12-7	
Di-n-butylphthalate	ND	ug/l	10	1.00	12/27/00	DHJ	84-74-2	
Fluoranthene	ND	ug/l	10	1.00	12/27/00	DHJ	206-44-0	
Pyrene	ND	ug/l	10	1.00	12/27/00	DHJ	129-00-0	
Butylbenzylphthalate	ND	ug/l	10	1.00	12/27/00	DHJ	85-68-7	
3,3'-Dichlorobenzidine	ND	ug/l	20	1.00	12/27/00	DHJ	91-94-1	
Benzo(a)anthracene	ND	ug/l	10	1.00	12/27/00	DHJ	56-55-3	
Chrysene	ND	ug/l	10	1.00	12/27/00	DHJ	218-01-9	
bis(2-Ethylhexyl)phthalate	ND	ug/l	10	1.00	12/27/00	DHJ	117-81-7	

Laboratory Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Laboratory Certification IDs
KY Drinking Water 90090
TN UST List
VA Drinking Water 213

Pace Analytical™
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Project Number: 9219405
Client Project ID: Statesville-3rd Creek/G1-01

Pace Sample No: 921382644 Date Collected: 12/19/00 Matrix: Water
Client Sample ID: MW-7 Date Received: 12/19/00

Parameters	Results	Units	PRL	App. DF	Analyzed	Analyst	CAS#	Footnotes
Di-n-octylphthalate	ND	ug/l	10	1.00	12/27/00	DHJ	117-84-0	
Benzo(b)fluoranthene	ND	ug/l	10	1.00	12/27/00	DHJ	205-99-2	
Benzo(k)fluoranthene	ND	ug/l	10	1.00	12/27/00	DHJ	207-08-9	
Benzo(a)pyrene	ND	ug/l	10	1.00	12/27/00	DHJ	50-32-8	
Indeno(1,2,3-cd)pyrene	ND	ug/l	10	1.00	12/27/00	DHJ	193-39-5	
Dibenz(a,h)anthracene	ND	ug/l	10	1.00	12/27/00	DHJ	53-70-3	
Benzo(g,h,i)perylene	ND	ug/l	10	1.00	12/27/00	DHJ	191-24-2	
1,2-Diphenylhydrazine	ND	ug/l	20	1.00	12/27/00	DHJ	122-66-7	
Aniline	ND	ug/l	10	1.00	12/27/00	DHJ	62-53-3	
3&4-Methylphenol	ND	ug/l	10	1.00	12/27/00	DHJ		
2-Fluorophenol (S)	28	%		1.00	12/27/00	DHJ	367-12-4	
Phenol-d6 (S)	18	%		1.00	12/27/00	DHJ	13127-88-3	
Nitrobenzene-d5 (S)	51	%		1.00	12/27/00	DHJ	4165-60-0	
2-Fluorobiphenyl (S)	50	%		1.00	12/27/00	DHJ	321-60-8	
2,4,6-Tribromophenol (S)	63	%		1.00	12/27/00	DHJ	118-79-6	
Terphenyl-d14 (S)	52	%		1.00	12/27/00	DHJ	1718-51-0	
Date Extracted					12/21/00			

Pace Sample No: 921382651 Date Collected: 12/19/00 Matrix: Water
Client Sample ID: MW-8 Date Received: 12/19/00

Parameters	Results	Units	PRL	App. DF	Analyzed	Analyst	CAS#	Footnotes
Metals								
Trace ICP Metals	Method: EPA 200.7				Prep Method: EPA 200.7			
Arsenic	ND	mg/l	0.005	1.00	12/27/00	RWF	7440-38-2	
Barium	0.26	mg/l	0.005	1.00	12/27/00	RWF	7440-39-3	
Cadmium	ND	mg/l	0.001	1.00	12/27/00	RWF	7440-43-9	
Chromium	0.0076	mg/l	0.002	1.00	12/27/00	RWF	7440-47-3	
Lead	0.01	mg/l	0.005	1.00	12/27/00	RWF	7439-92-1	
Nickel	0.0051	mg/l	0.005	1.00	12/27/00	RWF	7440-02-0	
Selenium	ND	mg/l	0.005	1.00	12/27/00	RWF	7782-49-2	
Silver	ND	mg/l	0.002	1.00	12/27/00	RWF	7440-22-4	
Date Digested					12/26/00			
Mercury, CVAAS, in Water	Method: EPA 245.1				Prep Method: EPA 245.1			
Mercury	ND	mg/l	0.0002	1.00	12/28/00	DJR	7439-97-6	

Wet Chemistry

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Project Number: 9219405
Client Project ID: Statesville-3rd Creek/G1-01

Pace Sample No: 921382651 Date Collected: 12/19/00 Matrix: Water
Client Sample ID: MW-8 Date Received: 12/19/00

Parameters	Results	Units	PRL	App. DF	Analyzed	Analyst	CAS#	Footnotes
Total Dissolved Solids		Method: EPA 160.1			Prep Method: EPA 160.1			
Total Dissolved Solids	25	mg/l	10	1.00	12/22/00	CDE		
Ion Chromatography		Method: EPA 300.0			Prep Method: EPA 300.0			
Nitrate	1.0	mg/l	0.2	1.00	12/20/00	YMH		
GC Volatiles								
GC VOCs in Water		Method: SM 6230D			Prep Method: SM 6230D			
Dichlorodifluoromethane	ND	ug/l	0.5	1.00	12/30/00	MAG	75-71-8	
Chloromethane	ND	ug/l	0.5	1.00	12/30/00	MAG	74-87-3	
Vinyl Chloride	ND	ug/l	0.5	1.00	12/30/00	MAG	75-01-4	
Bromomethane	ND	ug/l	0.5	1.00	12/30/00	MAG	74-83-9	
Chloroethane	ND	ug/l	0.5	1.00	12/30/00	MAG	75-00-3	
Trichlorofluoromethane	ND	ug/l	0.5	1.00	12/30/00	MAG	75-69-4	
1,1-Dichloroethene	ND	ug/l	0.5	1.00	12/30/00	MAG	75-35-4	
Methylene Chloride	ND	ug/l	0.5	1.00	12/30/00	MAG	75-09-2	
trans-1,2-Dichloroethene	ND	ug/l	0.5	1.00	12/30/00	MAG	156-60-5	
1,1-Dichloroethane	ND	ug/l	0.5	1.00	12/30/00	MAG	75-34-3	
cis-1,2-Dichloroethene	ND	ug/l	0.5	1.00	12/30/00	MAG	156-59-2	
Bromochloromethane	ND	ug/l	0.5	1.00	12/30/00	MAG	74-97-5	
Chloroform	ND	ug/l	0.5	1.00	12/30/00	MAG	67-66-3	
2,2-Dichloropropane	ND	ug/l	0.5	1.00	12/30/00	MAG	594-20-7	
1,2-Dichloroethane	ND	ug/l	0.5	1.00	12/30/00	MAG	107-06-2	
1,1,1-Trichloroethane	ND	ug/l	0.5	1.00	12/30/00	MAG	71-55-6	
1,1-Dichloropropene	ND	ug/l	0.5	1.00	12/30/00	MAG	563-58-6	
Carbon Tetrachloride	ND	ug/l	0.5	1.00	12/30/00	MAG	56-23-5	
Dibromomethane	ND	ug/l	0.5	1.00	12/30/00	MAG	74-95-3	
1,2-Dichloropropane	ND	ug/l	0.5	1.00	12/30/00	MAG	78-87-5	
Trichloroethene	ND	ug/l	0.5	1.00	12/30/00	MAG	79-01-6	
Bromodichloromethane	ND	ug/l	0.5	1.00	12/30/00	MAG	75-27-4	
cis-1,3-Dichloropropene	ND	ug/l	0.5	1.00	12/30/00	MAG	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/l	0.5	1.00	12/30/00	MAG	10061-02-6	
1,1,2-Trichloroethane	ND	ug/l	0.5	1.00	12/30/00	MAG	79-00-5	
1,3-Dichloropropane	ND	ug/l	0.5	1.00	12/30/00	MAG	142-28-9	
Dibromochloromethane	ND	ug/l	0.5	1.00	12/30/00	MAG	124-48-1	
1,2-Dibromoethane	ND	ug/l	0.5	1.00	12/30/00	MAG	106-93-4	
Tetrachloroethene	ND	ug/l	0.5	1.00	12/30/00	MAG	127-18-4	
1,1,1,2-Tetrachloroethane	ND	ug/l	0.5	1.00	12/30/00	MAG	630-20-6	
Chlorobenzene	ND	ug/l	0.5	1.00	12/30/00	MAG	108-90-7	

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Project Number: 9219405
Client Project ID: Statesville-3rd Creek/G1-01

Pace Sample No: 921382651 Date Collected: 12/19/00 Matrix: Water
Client Sample ID: MW-8 Date Received: 12/19/00

Parameters	Results	Units	PRL	App. DF	Analyzed	Analyst	CAS#	Footnotes
Bromoform	ND	ug/l	0.5	1.00	12/30/00	MAG	75-25-2	
1,1,2,2-Tetrachloroethane	ND	ug/l	0.5	1.00	12/30/00	MAG	79-34-5	
1,2,3-Trichloropropane	ND	ug/l	0.5	1.00	12/30/00	MAG	96-18-4	
Bromobenzene	ND	ug/l	0.5	1.00	12/30/00	MAG	108-86-1	
2-Chlorotoluene	ND	ug/l	0.5	1.00	12/30/00	MAG	95-49-8	
4-Chlorotoluene	ND	ug/l	0.5	1.00	12/30/00	MAG	106-43-4	
1,3-Dichlorobenzene	ND	ug/l	1	1.00	12/30/00	MAG	541-73-1	
1,4-Dichlorobenzene	ND	ug/l	1	1.00	12/30/00	MAG	106-46-7	
1,2-Dichlorobenzene	ND	ug/l	1	1.00	12/30/00	MAG	95-50-1	
1,2-Dibromo-3-Chloropropane	ND	ug/l	2	1.00	12/30/00	MAG	96-12-8	
1,2,4-Trichlorobenzene	ND	ug/l	2	1.00	12/30/00	MAG	120-82-1	
Hexachloro-1,3-butadiene	ND	ug/l	2	1.00	12/30/00	MAG	87-68-3	
1,2,3-Trichlorobenzene	ND	ug/l	2	1.00	12/30/00	MAG	87-61-6	
Methyl-tert-butyl Ether	ND	ug/l	0.5	1.00	12/30/00	MAG	1634-04-4	
Diisopropyl ether	ND	ug/l	0.5	1.00	12/30/00	MAG	108-20-3	
Benzene	ND	ug/l	0.5	1.00	12/30/00	MAG	71-43-2	
Toluene	ND	ug/l	0.5	1.00	12/30/00	MAG	108-88-3	
Ethylbenzene	ND	ug/l	0.5	1.00	12/30/00	MAG	100-41-4	
m&p-Xylene	ND	ug/l	0.5	1.00	12/30/00	MAG	7816-60-0	
Styrene	ND	ug/l	0.5	1.00	12/30/00	MAG	100-42-5	
o-Xylene (1,2-Dimethylbenzene)	ND	ug/l	0.5	1.00	12/30/00	MAG	95-47-6	
Isopropylbenzene (Cumene)	ND	ug/l	0.5	1.00	12/30/00	MAG	98-82-8	
n-Propylbenzene	ND	ug/l	0.5	1.00	12/30/00	MAG	103-65-1	
1,3,5-Trimethylbenzene	ND	ug/l	0.5	1.00	12/30/00	MAG	108-67-8	
tert-Butylbenzene	ND	ug/l	0.5	1.00	12/30/00	MAG	98-06-6	
1,2,4-Trimethylbenzene	ND	ug/l	0.5	1.00	12/30/00	MAG	95-63-6	
sec-Butylbenzene	ND	ug/l	0.5	1.00	12/30/00	MAG	135-98-8	
p-Isopropyltoluene	ND	ug/l	1	1.00	12/30/00	MAG	99-87-6	
n-Butylbenzene	ND	ug/l	1	1.00	12/30/00	MAG	104-51-8	
Naphthalene	ND	ug/l	2	1.00	12/30/00	MAG	91-20-3	
1-Chloro-3-fluorobenzene (S)	86	%		1.00	12/30/00	MAG	625-98-9	

Pace Sample No: 921382669 Date Collected: 12/19/00 Matrix: Water
Client Sample ID: MW-3 Date Received: 12/19/00

Parameters	Results	Units	PRL	App. DF	Analyzed	Analyst	CAS#	Footnotes

Metals

Pace Analytical™
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Project Number: 9219405
Client Project ID: Statesville-3rd Creek/G1-01

Pace Sample No: 921382669 Date Collected: 12/19/00 Matrix: Water
Client Sample ID: MW-3 Date Received: 12/19/00

Parameters	Results	Units	PRL	App. DF	Analyzed	Analyst	CAS#	Footnotes
Trace ICP Metals	Method: EPA 200.7				Prep Method: EPA 200.7			
Arsenic	ND	mg/l	0.005	1.00	12/27/00	RWF	7440-38-2	
Barium	0.38	mg/l	0.005	1.00	12/27/00	RWF	7440-39-3	
Cadmium	ND	mg/l	0.001	1.00	12/27/00	RWF	7440-43-9	
Chromium	0.033	mg/l	0.002	1.00	12/27/00	RWF	7440-47-3	
Lead	0.034	mg/l	0.005	1.00	12/27/00	RWF	7439-92-1	
Nickel	0.017	mg/l	0.005	1.00	12/27/00	RWF	7440-02-0	
Selenium	ND	mg/l	0.005	1.00	12/27/00	RWF	7782-49-2	
Silver	ND	mg/l	0.002	1.00	12/27/00	RWF	7440-22-4	
Date Digested					12/26/00			
Mercury, CVAAS, in Water	Method: EPA 245.1				Prep Method: EPA 245.1			
Mercury	ND	mg/l	0.0002	1.00	12/28/00	DJR	7439-97-6	
Wet Chemistry								
Total Dissolved Solids	Method: EPA 160.1				Prep Method: EPA 160.1			
Total Dissolved Solids	92	mg/l	10	1.00	12/22/00	CDE		
Ion Chromatography	Method: EPA 300.0				Prep Method: EPA 300.0			
Nitrate	4.6	mg/l	0.2	1.00	12/20/00	YMH		
GC Volatiles								
GC VOCs in Water	Method: SM 6230D				Prep Method: SM 6230D			
Dichlorodifluoromethane	ND	ug/l	0.5	1.00	12/30/00	MAG	75-71-8	
Chloromethane	ND	ug/l	0.5	1.00	12/30/00	MAG	74-87-3	
Vinyl Chloride	ND	ug/l	0.5	1.00	12/30/00	MAG	75-01-4	
Bromomethane	ND	ug/l	0.5	1.00	12/30/00	MAG	74-83-9	
Chloroethane	ND	ug/l	0.5	1.00	12/30/00	MAG	75-00-3	
Trichlorofluoromethane	ND	ug/l	0.5	1.00	12/30/00	MAG	75-69-4	
1,1-Dichloroethene	ND	ug/l	0.5	1.00	12/30/00	MAG	75-35-4	
Methylene Chloride	ND	ug/l	0.5	1.00	12/30/00	MAG	75-09-2	
trans-1,2-Dichloroethene	ND	ug/l	0.5	1.00	12/30/00	MAG	156-60-5	
1,1-Dichloroethane	ND	ug/l	0.5	1.00	12/30/00	MAG	75-34-3	
cis-1,2-Dichloroethene	ND	ug/l	0.5	1.00	12/30/00	MAG	156-59-2	
Bromochloromethane	ND	ug/l	0.5	1.00	12/30/00	MAG	74-97-5	
Chloroform	ND	ug/l	0.5	1.00	12/30/00	MAG	67-66-3	
2,2-Dichloropropane	ND	ug/l	0.5	1.00	12/30/00	MAG	594-20-7	
1,2-Dichloroethane	ND	ug/l	0.5	1.00	12/30/00	MAG	107-06-2	

Laboratory Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Laboratory Certification IDs
KY Drinking Water 90090
TN UST List
VA Drinking Water 213

Pace Analytical™
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078

Phone: 704.875.9092
Fax: 704.875.9091

Pace Project Number: 9219405
Client Project ID: Statesville-3rd Creek/G1-01

Pace Sample No: 921382669 Date Collected: 12/19/00 Matrix: Water
Client Sample ID: MW-3 Date Received: 12/19/00

Parameters	Results	Units	PRL	App. DF	Analyzed	Analyst	CAS#	Footnotes
tert-Butylbenzene	ND	ug/l	0.5	1.00	12/30/00	MAG	98-06-6	
1,2,4-Trimethylbenzene	ND	ug/l	0.5	1.00	12/30/00	MAG	95-63-6	
sec-Butylbenzene	ND	ug/l	0.5	1.00	12/30/00	MAG	135-98-8	
p-Isopropyltoluene	ND	ug/l	1	1.00	12/30/00	MAG	99-87-6	
n-Butylbenzene	ND	ug/l	1	1.00	12/30/00	MAG	104-51-8	
Naphthalene	ND	ug/l	2	1.00	12/30/00	MAG	91-20-3	
1-Chloro-3-fluorobenzene (S)	87	%		1.00	12/30/00	MAG	625-98-9	

Pace Sample No: 921382677 Date Collected: 12/19/00 Matrix: Water
Client Sample ID: MW-4 Date Received: 12/19/00

Parameters	Results	Units	PRL	App. DF	Analyzed	Analyst	CAS#	Footnotes
Metals								
Trace ICP Metals	Method: EPA 200.7				Prep Method: EPA 200.7			
Arsenic	ND	mg/l	0.005	1.00	12/27/00	RWF	7440-38-2	
Barium	0.044	mg/l	0.005	1.00	12/27/00	RWF	7440-39-3	
Cadmium	ND	mg/l	0.001	1.00	12/27/00	RWF	7440-43-9	
Chromium	0.0026	mg/l	0.002	1.00	12/27/00	RWF	7440-47-3	
Lead	ND	mg/l	0.005	1.00	12/27/00	RWF	7439-92-1	
Nickel	ND	mg/l	0.005	1.00	12/27/00	RWF	7440-02-0	
Selenium	ND	mg/l	0.005	1.00	12/27/00	RWF	7782-49-2	
Silver	ND	mg/l	0.002	1.00	12/27/00	RWF	7440-22-4	
Date Digested					12/26/00			
Mercury, CVAAS, in Water	Method: EPA 245.1				Prep Method: EPA 245.1			
Mercury	ND	mg/l	0.0002	1.00	12/28/00	DJR	7439-97-6	
Wet Chemistry								
Total Dissolved Solids	Method: EPA 160.1				Prep Method: EPA 160.1			
Total Dissolved Solids	47	mg/l	10	1.00	12/22/00	CDE		
Ion Chromatography	Method: EPA 300.0				Prep Method: EPA 300.0			
Nitrate	0.82	mg/l	0.2	1.00	12/20/00	YMH		
GC Volatiles								

Pace Analytical™
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Project Number: 9219405
Client Project ID: Statesville-3rd Creek/G1-01

Pace Sample No: 921382677 | Date Collected: 12/19/00 | Matrix: Water
Client Sample ID: MW-4 | Date Received: 12/19/00

Parameters	Results	Units	PRL	App. DF	Analyzed	Analyst	CAS#	Footnotes
GC VOCs in Water	Method: SM 6230D				Prep Method: SM 6230D			
Dichlorodifluoromethane	ND	ug/l	0.5	1.00	12/30/00	MAG	75-71-8	
Chloromethane	ND	ug/l	0.5	1.00	12/30/00	MAG	74-87-3	
Vinyl Chloride	ND	ug/l	0.5	1.00	12/30/00	MAG	75-01-4	
Bromomethane	ND	ug/l	0.5	1.00	12/30/00	MAG	74-83-9	
Chloroethane	ND	ug/l	0.5	1.00	12/30/00	MAG	75-00-3	
Trichlorofluoromethane	ND	ug/l	0.5	1.00	12/30/00	MAG	75-69-4	
1,1-Dichloroethene	ND	ug/l	0.5	1.00	12/30/00	MAG	75-35-4	
Methylene Chloride	ND	ug/l	0.5	1.00	12/30/00	MAG	75-09-2	
trans-1,2-Dichloroethene	ND	ug/l	0.5	1.00	12/30/00	MAG	156-60-5	
1,1-Dichloroethane	ND	ug/l	0.5	1.00	12/30/00	MAG	75-34-3	
cis-1,2-Dichloroethene	ND	ug/l	0.5	1.00	12/30/00	MAG	156-59-2	
Bromochloromethane	ND	ug/l	0.5	1.00	12/30/00	MAG	74-97-5	
Chloroform	ND	ug/l	0.5	1.00	12/30/00	MAG	67-66-3	
2,2-Dichloropropane	ND	ug/l	0.5	1.00	12/30/00	MAG	594-20-7	
1,2-Dichloroethane	ND	ug/l	0.5	1.00	12/30/00	MAG	107-06-2	
1,1,1-Trichloroethane	ND	ug/l	0.5	1.00	12/30/00	MAG	71-55-6	
1,1-Dichloropropene	ND	ug/l	0.5	1.00	12/30/00	MAG	563-58-6	
Carbon Tetrachloride	ND	ug/l	0.5	1.00	12/30/00	MAG	56-23-5	
Dibromomethane	ND	ug/l	0.5	1.00	12/30/00	MAG	74-95-3	
1,2-Dichloropropane	ND	ug/l	0.5	1.00	12/30/00	MAG	78-87-5	
Trichloroethene	ND	ug/l	0.5	1.00	12/30/00	MAG	79-01-6	
Bromodichloromethane	ND	ug/l	0.5	1.00	12/30/00	MAG	75-27-4	
cis-1,3-Dichloropropene	ND	ug/l	0.5	1.00	12/30/00	MAG	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/l	0.5	1.00	12/30/00	MAG	10061-02-6	
1,1,2-Trichloroethane	ND	ug/l	0.5	1.00	12/30/00	MAG	79-00-5	
1,3-Dichloropropane	ND	ug/l	0.5	1.00	12/30/00	MAG	142-28-9	
Dibromochloromethane	ND	ug/l	0.5	1.00	12/30/00	MAG	124-48-1	
1,2-Dibromoethane	ND	ug/l	0.5	1.00	12/30/00	MAG	106-93-4	
Tetrachloroethene	ND	ug/l	0.5	1.00	12/30/00	MAG	127-18-4	
1,1,1,2-Tetrachloroethane	ND	ug/l	0.5	1.00	12/30/00	MAG	630-20-6	
Chlorobenzene	ND	ug/l	0.5	1.00	12/30/00	MAG	108-90-7	
Bromoform	ND	ug/l	0.5	1.00	12/30/00	MAG	75-25-2	
1,1,2,2-Tetrachloroethane	ND	ug/l	0.5	1.00	12/30/00	MAG	79-34-5	
1,2,3-Trichloropropane	ND	ug/l	0.5	1.00	12/30/00	MAG	96-18-4	
Bromobenzene	ND	ug/l	0.5	1.00	12/30/00	MAG	108-86-1	
2-Chlorotoluene	ND	ug/l	0.5	1.00	12/30/00	MAG	95-49-8	
4-Chlorotoluene	ND	ug/l	0.5	1.00	12/30/00	MAG	106-43-4	
1,3-Dichlorobenzene	ND	ug/l	1	1.00	12/30/00	MAG	541-73-1	
1,4-Dichlorobenzene	ND	ug/l	1	1.00	12/30/00	MAG	106-46-7	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Pace Analytical™
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Project Number: 9219405
Client Project ID: Statesville-3rd Creek/G1-01

Pace Sample No: 921382677 Date Collected: 12/19/00 Matrix: Water
Client Sample ID: MW-4 Date Received: 12/19/00

Parameters	Results	Units	PRL	App. DF	Analyzed	Analyst	CAS#	Footnotes
1,2-Dichlorobenzene	ND	ug/l	1	1.00	12/30/00	MAG	95-50-1	
1,2-Dibromo-3-Chloropropane	ND	ug/l	2	1.00	12/30/00	MAG	96-12-8	
1,2,4-Trichlorobenzene	ND	ug/l	2	1.00	12/30/00	MAG	120-82-1	
Hexachloro-1,3-butadiene	ND	ug/l	2	1.00	12/30/00	MAG	87-68-3	
1,2,3-Trichlorobenzene	ND	ug/l	2	1.00	12/30/00	MAG	87-61-6	
Methyl-tert-butyl Ether	ND	ug/l	0.5	1.00	12/30/00	MAG	1634-04-4	
Diisopropyl ether	ND	ug/l	0.5	1.00	12/30/00	MAG	108-20-3	
Benzene	ND	ug/l	0.5	1.00	12/30/00	MAG	71-43-2	
Toluene	ND	ug/l	0.5	1.00	12/30/00	MAG	108-88-3	
Ethylbenzene	ND	ug/l	0.5	1.00	12/30/00	MAG	100-41-4	
m&p-Xylene	ND	ug/l	0.5	1.00	12/30/00	MAG	7816-60-0	
Styrene	ND	ug/l	0.5	1.00	12/30/00	MAG	100-42-5	
o-Xylene (1,2-Dimethylbenzene)	ND	ug/l	0.5	1.00	12/30/00	MAG	95-47-6	
Isopropylbenzene (Cumene)	ND	ug/l	0.5	1.00	12/30/00	MAG	98-82-8	
n-Propylbenzene	ND	ug/l	0.5	1.00	12/30/00	MAG	103-65-1	
1,3,5-Trimethylbenzene	ND	ug/l	0.5	1.00	12/30/00	MAG	108-67-8	
tert-Butylbenzene	ND	ug/l	0.5	1.00	12/30/00	MAG	98-06-6	
1,2,4-Trimethylbenzene	ND	ug/l	0.5	1.00	12/30/00	MAG	95-63-6	
sec-Butylbenzene	ND	ug/l	0.5	1.00	12/30/00	MAG	135-98-8	
p-Isopropyltoluene	ND	ug/l	1	1.00	12/30/00	MAG	99-87-6	
n-Butylbenzene	ND	ug/l	1	1.00	12/30/00	MAG	104-51-8	
Naphthalene	ND	ug/l	2	1.00	12/30/00	MAG	91-20-3	
1-Chloro-3-fluorobenzene (S)	92	%		1.00	12/30/00	MAG	625-98-9	

Pace Sample No: 921382685 Date Collected: 12/19/00 Matrix: Water
Client Sample ID: MW-2 Date Received: 12/19/00

Parameters	Results	Units	PRL	App. DF	Analyzed	Analyst	CAS#	Footnotes
Metals								
Trace ICP Metals	Method: EPA 200.7				Prep Method: EPA 200.7			
Arsenic	0.069	mg/l	0.005	1.00	12/27/00	RWF	7440-38-2	
Barium	12	mg/l	0.005	1.00	12/27/00	RWF	7440-39-3	
Cadmium	ND	mg/l	0.001	1.00	12/27/00	RWF	7440-43-9	
Chromium	0.42	mg/l	0.002	1.00	12/27/00	RWF	7440-47-3	
Lead	0.27	mg/l	0.005	1.00	12/27/00	RWF	7439-92-1	
Nickel	0.24	mg/l	0.005	1.00	12/27/00	RWF	7440-02-0	

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078

Phone: 704.875.9092
Fax: 704.875.9091

Pace Project Number: 9219405
Client Project ID: Statesville-3rd Creek/G1-01

Pace Sample No: 921382685 Date Collected: 12/19/00 Matrix: Water
Client Sample ID: MW-2 Date Received: 12/19/00

Parameters	Results	Units	PRL	App. DF	Analyzed	Analyst	CAS#	Footnotes
Selenium	ND	mg/l	0.005	1.00	12/27/00	RWF	7782-49-2	
Silver	0.0062	mg/l	0.002	1.00	12/27/00	RWF	7440-22-4	
Date Digested					12/26/00			
Mercury, CVAAS, in Water	Method: EPA 245.1				Prep Method: EPA 245.1			
Mercury	ND	mg/l	0.0002	1.00	12/28/00	DJR	7439-97-6	
Wet Chemistry								
Total Dissolved Solids	Method: EPA 160.1				Prep Method: EPA 160.1			
Total Dissolved Solids	22	mg/l	10	1.00	12/22/00	CDE		
Ion Chromatography	Method: EPA 300.0				Prep Method: EPA 300.0			
Nitrate	4.8	mg/l	0.2	1.00	12/20/00	YMH		
GC Volatiles								
GC VOCs in Water	Method: SM 6230D				Prep Method: SM 6230D			
Dichlorodifluoromethane	ND	ug/l	0.5	1.00	12/30/00	MAG	75-71-8	
Chloromethane	ND	ug/l	0.5	1.00	12/30/00	MAG	74-87-3	
Vinyl Chloride	ND	ug/l	0.5	1.00	12/30/00	MAG	75-01-4	
Bromomethane	ND	ug/l	0.5	1.00	12/30/00	MAG	74-83-9	
Chloroethane	ND	ug/l	0.5	1.00	12/30/00	MAG	75-00-3	
Trichlorofluoromethane	ND	ug/l	0.5	1.00	12/30/00	MAG	75-69-4	
1,1-Dichloroethene	ND	ug/l	0.5	1.00	12/30/00	MAG	75-35-4	
Methylene Chloride	ND	ug/l	0.5	1.00	12/30/00	MAG	75-09-2	
trans-1,2-Dichloroethene	ND	ug/l	0.5	1.00	12/30/00	MAG	156-60-5	
1,1-Dichloroethane	ND	ug/l	0.5	1.00	12/30/00	MAG	75-34-3	
cis-1,2-Dichloroethene	ND	ug/l	0.5	1.00	12/30/00	MAG	156-59-2	
Bromochloromethane	ND	ug/l	0.5	1.00	12/30/00	MAG	74-97-5	
Chloroform	ND	ug/l	0.5	1.00	12/30/00	MAG	67-66-3	
2,2-Dichloropropane	ND	ug/l	0.5	1.00	12/30/00	MAG	594-20-7	
1,2-Dichloroethane	ND	ug/l	0.5	1.00	12/30/00	MAG	107-06-2	
1,1,1-Trichloroethane	ND	ug/l	0.5	1.00	12/30/00	MAG	71-55-6	
1,1-Dichloropropene	ND	ug/l	0.5	1.00	12/30/00	MAG	563-58-6	
Carbon Tetrachloride	ND	ug/l	0.5	1.00	12/30/00	MAG	56-23-5	
Dibromomethane	ND	ug/l	0.5	1.00	12/30/00	MAG	74-95-3	
1,2-Dichloropropane	ND	ug/l	0.5	1.00	12/30/00	MAG	78-87-5	
Trichloroethene	ND	ug/l	0.5	1.00	12/30/00	MAG	79-01-6	
Bromodichloromethane	ND	ug/l	0.5	1.00	12/30/00	MAG	75-27-4	

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078

Phone: 704.875.9092
Fax: 704.875.9091

Pace Project Number: 9219405
Client Project ID: Statesville-3rd Creek/G1-01

Pace Sample No: 921382685 Date Collected: 12/19/00 Matrix: Water
Client Sample ID: MW-2 Date Received: 12/19/00

Parameters	Results	Units	PRL	App. DF	Analyzed	Analyst	CAS#	Footnotes
cis-1,3-Dichloropropene	ND	ug/l	0.5	1.00	12/30/00	MAG	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/l	0.5	1.00	12/30/00	MAG	10061-02-6	
1,1,2-Trichloroethane	ND	ug/l	0.5	1.00	12/30/00	MAG	79-00-5	
1,3-Dichloropropane	ND	ug/l	0.5	1.00	12/30/00	MAG	142-28-9	
Dibromochloromethane	ND	ug/l	0.5	1.00	12/30/00	MAG	124-48-1	
1,2-Dibromoethane	ND	ug/l	0.5	1.00	12/30/00	MAG	106-93-4	
Tetrachloroethene	ND	ug/l	0.5	1.00	12/30/00	MAG	127-18-4	
1,1,1,2-Tetrachloroethane	ND	ug/l	0.5	1.00	12/30/00	MAG	630-20-6	
Chlorobenzene	ND	ug/l	0.5	1.00	12/30/00	MAG	108-90-7	
Bromoform	ND	ug/l	0.5	1.00	12/30/00	MAG	75-25-2	
1,1,2,2-Tetrachloroethane	ND	ug/l	0.5	1.00	12/30/00	MAG	79-34-5	
1,2,3-Trichloropropane	ND	ug/l	0.5	1.00	12/30/00	MAG	96-18-4	
Bromobenzene	ND	ug/l	0.5	1.00	12/30/00	MAG	108-86-1	
2-Chlorotoluene	ND	ug/l	0.5	1.00	12/30/00	MAG	95-49-8	
4-Chlorotoluene	ND	ug/l	0.5	1.00	12/30/00	MAG	106-43-4	
1,3-Dichlorobenzene	ND	ug/l	1	1.00	12/30/00	MAG	541-73-1	
1,4-Dichlorobenzene	ND	ug/l	1	1.00	12/30/00	MAG	106-46-7	
1,2-Dichlorobenzene	ND	ug/l	1	1.00	12/30/00	MAG	95-50-1	
1,2-Dibromo-3-Chloropropane	ND	ug/l	2	1.00	12/30/00	MAG	96-12-8	
1,2,4-Trichlorobenzene	ND	ug/l	2	1.00	12/30/00	MAG	120-82-1	
Hexachloro-1,3-butadiene	ND	ug/l	2	1.00	12/30/00	MAG	87-68-3	
1,2,3-Trichlorobenzene	ND	ug/l	2	1.00	12/30/00	MAG	87-61-6	
Methyl-tert-butyl Ether	ND	ug/l	0.5	1.00	12/30/00	MAG	1634-04-4	
Diisopropyl ether	ND	ug/l	0.5	1.00	12/30/00	MAG	108-20-3	
Benzene	ND	ug/l	0.5	1.00	12/30/00	MAG	71-43-2	
Toluene	ND	ug/l	0.5	1.00	12/30/00	MAG	108-88-3	
Ethylbenzene	ND	ug/l	0.5	1.00	12/30/00	MAG	100-41-4	
m&p-Xylene	ND	ug/l	0.5	1.00	12/30/00	MAG	7816-60-0	
Styrene	ND	ug/l	0.5	1.00	12/30/00	MAG	100-42-5	
o-Xylene (1,2-Dimethylbenzene)	ND	ug/l	0.5	1.00	12/30/00	MAG	95-47-6	
Isopropylbenzene (Cumene)	ND	ug/l	0.5	1.00	12/30/00	MAG	98-82-8	
n-Propylbenzene	ND	ug/l	0.5	1.00	12/30/00	MAG	103-65-1	
1,3,5-Trimethylbenzene	ND	ug/l	0.5	1.00	12/30/00	MAG	108-67-8	
tert-Butylbenzene	ND	ug/l	0.5	1.00	12/30/00	MAG	98-06-6	
1,2,4-Trimethylbenzene	ND	ug/l	0.5	1.00	12/30/00	MAG	95-63-6	
sec-Butylbenzene	ND	ug/l	0.5	1.00	12/30/00	MAG	135-98-8	
p-Isopropyltoluene	ND	ug/l	1	1.00	12/30/00	MAG	99-87-6	
n-Butylbenzene	ND	ug/l	1	1.00	12/30/00	MAG	104-51-8	
Naphthalene	ND	ug/l	2	1.00	12/30/00	MAG	91-20-3	
1-Chloro-3-fluorobenzene (S)	86	%		1.00	12/30/00	MAG	625-98-9	

GC/MS Semivolatiles

Laboratory Certification IDs

NC Wastewater	12
NC Drinking Water	37706
SC	99006

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Laboratory Certification IDs

KY Drinking Water	90090
TN UST List	
VA Drinking Water	213

Pace Analytical™
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Project Number: 9219405
Client Project ID: Statesville-3rd Creek/G1-01

Pace Sample No: 921382685 | Date Collected: 12/19/00 | Matrix: Water
Client Sample ID: MW-2 | Date Received: 12/19/00

Parameters	Results	Units	PRL	App. DF	Analyzed	Analyst	CAS#	Footnotes
Semivolatile Organics	Method: EPA 8270				Prep Method: EPA 3510			
1,3-Dichlorobenzene	ND	ug/l	10	1.00	12/27/00	DHJ	541-73-1	
1,4-Dichlorobenzene	ND	ug/l	10	1.00	12/27/00	DHJ	106-46-7	
1,2-Dichlorobenzene	ND	ug/l	10	1.00	12/27/00	DHJ	95-50-1	
Benzoic Acid	ND	ug/l	50	1.00	12/27/00	DHJ	65-85-0	
N-Nitrosodimethylamine	ND	ug/l	10	1.00	12/27/00	DHJ	62-75-9	
Phenol	ND	ug/l	10	1.00	12/27/00	DHJ	108-95-2	
bis(2-Chloroethyl)ether	ND	ug/l	10	1.00	12/27/00	DHJ	111-44-4	
2-Chlorophenol	ND	ug/l	10	1.00	12/27/00	DHJ	95-57-8	
Benzyl Alcohol	ND	ug/l	20	1.00	12/27/00	DHJ	100-51-6	
2-Methylphenol	ND	ug/l	10	1.00	12/27/00	DHJ	95-48-7	
bis(2-Chloroisopropyl)ether	ND	ug/l	10	1.00	12/27/00	DHJ	39638-32-9	
N-Nitroso-di-n-propylamine	ND	ug/l	10	1.00	12/27/00	DHJ	621-64-7	
Hexachloroethane	ND	ug/l	10	1.00	12/27/00	DHJ	67-72-1	
Nitrobenzene	ND	ug/l	10	1.00	12/27/00	DHJ	98-95-3	
Isophorone	ND	ug/l	10	1.00	12/27/00	DHJ	78-59-1	
2-Nitrophenol	ND	ug/l	10	1.00	12/27/00	DHJ	88-75-5	
2,4-Dimethylphenol	ND	ug/l	10	1.00	12/27/00	DHJ	105-67-9	
bis(2-Chloroethoxy)methane	ND	ug/l	10	1.00	12/27/00	DHJ	111-91-1	
2,4-Dichlorophenol	ND	ug/l	10	1.00	12/27/00	DHJ	120-83-2	
1,2,4-Trichlorobenzene	ND	ug/l	10	1.00	12/27/00	DHJ	120-82-1	
Naphthalene	ND	ug/l	10	1.00	12/27/00	DHJ	91-20-3	
4-Chloroaniline	ND	ug/l	20	1.00	12/27/00	DHJ	106-47-8	
Hexachloro-1,3-butadiene	ND	ug/l	10	1.00	12/27/00	DHJ	87-68-3	
4-Chloro-3-methylphenol	ND	ug/l	20	1.00	12/27/00	DHJ	59-50-7	
2-Methylnaphthalene	ND	ug/l	10	1.00	12/27/00	DHJ	91-57-6	
Hexachlorocyclopentadiene	ND	ug/l	10	1.00	12/27/00	DHJ	77-47-4	
2,4,6-Trichlorophenol	ND	ug/l	10	1.00	12/27/00	DHJ	88-06-2	
2,4,5-Trichlorophenol	ND	ug/l	50	1.00	12/27/00	DHJ	95-95-4	
2-Chloronaphthalene	ND	ug/l	10	1.00	12/27/00	DHJ	91-58-7	
2-Nitroaniline	ND	ug/l	50	1.00	12/27/00	DHJ	88-74-4	
Dimethylphthalate	ND	ug/l	10	1.00	12/27/00	DHJ	131-11-3	
Acenaphthylene	ND	ug/l	10	1.00	12/27/00	DHJ	208-96-8	
2,6-Dinitrotoluene	ND	ug/l	10	1.00	12/27/00	DHJ	606-20-2	
3-Nitroaniline	ND	ug/l	50	1.00	12/27/00	DHJ	99-09-2	
Acenaphthene	ND	ug/l	10	1.00	12/27/00	DHJ	83-32-9	
2,4-Dinitrophenol	ND	ug/l	50	1.00	12/27/00	DHJ	51-28-5	
4-Nitrophenol	ND	ug/l	50	1.00	12/27/00	DHJ	100-02-7	
Dibenzofuran	ND	ug/l	10	1.00	12/27/00	DHJ	132-64-9	
2,4-Dinitrotoluene	ND	ug/l	10	1.00	12/27/00	DHJ	121-14-2	

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078

Phone: 704.875.9092
Fax: 704.875.9091

Pace Project Number: 9219405
Client Project ID: Statesville-3rd Creek/G1-01

Pace Sample No: 921382685 Date Collected: 12/19/00 Matrix: Water
Client Sample ID: MW-2 Date Received: 12/19/00

Parameters	Results	Units	PRL	App. DF	Analyzed	Analyst	CAS#	Footnotes
Diethylphthalate	ND	ug/l	10	1.00	12/27/00	DHJ	84-66-2	
4-Chlorophenyl-phenylether	ND	ug/l	10	1.00	12/27/00	DHJ	7005-72-3	
Fluorene	ND	ug/l	10	1.00	12/27/00	DHJ	86-73-7	
4-Nitroaniline	ND	ug/l	50	1.00	12/27/00	DHJ	100-01-6	
4,6-Dinitro-2-methylphenol	ND	ug/l	50	1.00	12/27/00	DHJ	534-52-1	
N-Nitrosodiphenylamine	ND	ug/l	10	1.00	12/27/00	DHJ	86-30-6	
4-Bromophenyl-phenylether	ND	ug/l	10	1.00	12/27/00	DHJ	101-55-3	
Hexachlorobenzene	ND	ug/l	10	1.00	12/27/00	DHJ	118-74-1	
Pentachlorophenol	ND	ug/l	50	1.00	12/27/00	DHJ	87-86-5	
Phenanthrene	ND	ug/l	10	1.00	12/27/00	DHJ	85-01-8	
Anthracene	ND	ug/l	10	1.00	12/27/00	DHJ	120-12-7	
Di-n-butylphthalate	ND	ug/l	10	1.00	12/27/00	DHJ	84-74-2	
Fluoranthene	ND	ug/l	10	1.00	12/27/00	DHJ	206-44-0	
Pyrene	ND	ug/l	10	1.00	12/27/00	DHJ	129-00-0	
Butylbenzylphthalate	ND	ug/l	10	1.00	12/27/00	DHJ	85-68-7	
3,3'-Dichlorobenzidine	ND	ug/l	20	1.00	12/27/00	DHJ	91-94-1	
Benzo(a)anthracene	ND	ug/l	10	1.00	12/27/00	DHJ	56-55-3	
Chrysene	ND	ug/l	10	1.00	12/27/00	DHJ	218-01-9	
bis(2-Ethylhexyl)phthalate	ND	ug/l	10	1.00	12/27/00	DHJ	117-81-7	
Di-n-octylphthalate	ND	ug/l	10	1.00	12/27/00	DHJ	117-84-0	
Benzo(b)fluoranthene	ND	ug/l	10	1.00	12/27/00	DHJ	205-99-2	
Benzo(k)fluoranthene	ND	ug/l	10	1.00	12/27/00	DHJ	207-08-9	
Benzo(a)pyrene	ND	ug/l	10	1.00	12/27/00	DHJ	50-32-8	
Indeno(1,2,3-cd)pyrene	ND	ug/l	10	1.00	12/27/00	DHJ	193-39-5	
Dibenz(a,h)anthracene	ND	ug/l	10	1.00	12/27/00	DHJ	53-70-3	
Benzo(g,h,i)perylene	ND	ug/l	10	1.00	12/27/00	DHJ	191-24-2	
1,2-Diphenylhydrazine	ND	ug/l	20	1.00	12/27/00	DHJ	122-66-7	
Aniline	ND	ug/l	10	1.00	12/27/00	DHJ	62-53-3	
3&4-Methylphenol	ND	ug/l	10	1.00	12/27/00	DHJ		
2-Fluorophenol (S)	31	%		1.00	12/27/00	DHJ	367-12-4	
Phenol-d6 (S)	20	%		1.00	12/27/00	DHJ	13127-88-3	
Nitrobenzene-d5 (S)	56	%		1.00	12/27/00	DHJ	4165-60-0	
2-Fluorobiphenyl (S)	53	%		1.00	12/27/00	DHJ	321-60-8	
2,4,6-Tribromophenol (S)	77	%		1.00	12/27/00	DHJ	118-79-6	
Terphenyl-d14 (S)	81	%		1.00	12/27/00	DHJ	1718-51-0	
Date Extracted					12/21/00			

Pace Analytical™
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078

Phone: 704.875.9092
Fax: 704.875.9091

Pace Project Number: 9219405
Client Project ID: Statesville-3rd Creek/G1-01

PARAMETER FOOTNOTES

ND	Not Detected
NC	Not Calculable
PRL	Pace Reporting Limit
(S)	Surrogate
App. DF	Applied Dilution Factor

Pace Analytical™
www.pacelabs.com

Pace Analytical Services, Inc.
54 Ravenscroft Drive
Asheville, NC 28801
Phone: 828.254.7176
Fax: 828.252.4618

DATE: 12/29/00
PAGE: 1

PASI Inc. Charlotte
9800 Kincey Ave.
Suite 100
Huntersville, NC 28078

Pace Project Number: 9317264
Client Project ID: WATERS EDGE - 9219405

Attn: Project Management
Phone: (704)875-9092

Solid results are reported on a wet weight basis

Pace Sample No: 921382651 Date Collected: 12/19/00 Matrix: Water
Client Sample ID: MW-8 Date Received: 12/19/00

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
Wet Chemistry							
Total Organic Carbon	Method: SM 5310C				Prep Method: SM 5310C		
Total Organic Carbon	2.0	mg/l	2	12/29/00	JDA	7440-44-0	

Laboratory Certification IDs
NC Wastewater 40
NC Drinking Water 37712

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc.

Laboratory Certification IDs
TN Drinking Water 02980
SC Environmental 99030

Pace Analytical™
www.pacelabs.com

Pace Analytical Services, Inc.
54 Ravenscroft Drive
Asheville, NC 28801
Phone: 828.254.7176
Fax: 828.252.4618

Pace Project Number: 9317264
Client Project ID: WATERS EDGE - 9219405

Pace Sample No: 921382669 Date Collected: 12/19/00 Matrix: Water
Client Sample ID: MW-3 Date Received: 12/19/00

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
Wet Chemistry							
Total Organic Carbon	Method: SM 5310C				Prep Method: SM 5310C		
Total Organic Carbon	3.2	mg/l	2	12/29/00	JDA	7440-44-0	

Laboratory Certification IDs
NC Wastewater 40
NC Drinking Water 37712

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc.

Laboratory Certification IDs
TN Drinking Water 02980
SC Environmental 99030

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
54 Ravenscroft Drive
Asheville, NC 28801
Phone: 828.254.7176
Fax: 828.252.4618

Pace Project Number: 9317264
Client Project ID: WATERS EDGE - 9219405

Pace Sample No: 921382677 Date Collected: 12/19/00 Matrix: Water
Client Sample ID: MW-4 Date Received: 12/19/00

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
Wet Chemistry							
Total Organic Carbon	Method: SM 5310C				Prep Method: SM 5310C		
Total Organic Carbon	4.5	mg/l	2	12/29/00	JDA	7440-44-0	

Laboratory Certification IDs
NC Wastewater 40
NC Drinking Water 37712

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Laboratory Certification IDs
TN Drinking Water 02980
SC Environmental 99030

Pace Analytical™
www.pacelabs.com

Pace Analytical Services, Inc.
54 Ravenscroft Drive
Asheville, NC 28801
Phone: 828.254.7176
Fax: 828.252.4618

Pace Project Number: 9317264
Client Project ID: WATERS EDGE - 9219405

Pace Sample No: 921382685 Date Collected: 12/19/00 Matrix: Water
Client Sample ID: MW-2 Date Received: 12/19/00

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
Wet Chemistry							
Total Organic Carbon	Method: SM 5310C				Prep Method: SM 5310C		
Total Organic Carbon	ND	mg/l	2	12/29/00	JDA	7440-44-0	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc.

Pace Analytical™
www.pacelabs.com

Pace Analytical Services, Inc.
54 Ravenscroft Drive
Asheville, NC 28801
Phone: 828.254.7176
Fax: 828.252.4618

Pace Project Number: 9317264
Client Project ID: WATERS EDGE - 9219405

PARAMETER FOOTNOTES

ND	Not Detected
NC	Not Calculable
PRL	Pace Reporting Limit

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Pace Analytical™
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

QUALITY CONTROL DATA

Waters Edge Environmental
302-L Pomona Drive
Greensboro, NC 27407

Pace Project Number: 9219405
Client Project ID: Statesville-3rd Creek/G1-01

Attn: Mr. Ed Kuhn
Phone: (336)852-5003

QC Batch ID: 36032
Analysis Method: EPA 8270
Associated Pace Samples: 921382636 921382644 921382685

QC Batch Method: EPA 3510
Analysis Description: Semivolatile Organics

METHOD BLANK: 921385357
Associated Pace Samples:
921382636 921382644 921382685

Parameter	Units	Method Blank Result	PRL	Footnotes
1,3-Dichlorobenzene	ug/l	ND	10	
1,4-Dichlorobenzene	ug/l	ND	10	
1,2-Dichlorobenzene	ug/l	ND	10	
Benzoic Acid	ug/l	ND	50	
N-Nitrosodimethylamine	ug/l	ND	10	
Phenol	ug/l	ND	10	
bis(2-Chloroethyl)ether	ug/l	ND	10	
2-Chlorophenol	ug/l	ND	10	
Benzyl Alcohol	ug/l	ND	20	
2-Methylphenol	ug/l	ND	10	
bis(2-Chloroisopropyl)ether	ug/l	ND	10	
N-Nitroso-di-n-propylamine	ug/l	ND	10	
Hexachloroethane	ug/l	ND	10	
Nitrobenzene	ug/l	ND	10	
Isophorone	ug/l	ND	10	
2-Nitrophenol	ug/l	ND	10	
2,4-Dimethylphenol	ug/l	ND	10	
bis(2-Chloroethoxy)methane	ug/l	ND	10	
2,4-Dichlorophenol	ug/l	ND	10	
1,2,4-Trichlorobenzene	ug/l	ND	10	
Naphthalene	ug/l	ND	10	
4-Chloroaniline	ug/l	ND	20	
Hexachloro-1,3-butadiene	ug/l	ND	10	
4-Chloro-3-methylphenol	ug/l	ND	20	
2-Methylnaphthalene	ug/l	ND	10	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Pace Analytical™
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

QUALITY CONTROL DATA

Pace Project Number: 9219405
Client Project ID: Statesville-3rd Creek/G1-01

METHOD BLANK: 921385357
Associated Pace Samples:
921382636 921382644 921382685

Parameter	Units	Method Blank Result	PRL	Footnotes
Hexachlorocyclopentadiene	ug/l	ND	10	
2,4,6-Trichlorophenol	ug/l	ND	10	
2,4,5-Trichlorophenol	ug/l	ND	50	
2-Chloronaphthalene	ug/l	ND	10	
2-Nitroaniline	ug/l	ND	50	
Dimethylphthalate	ug/l	ND	10	
Acenaphthylene	ug/l	ND	10	
2,6-Dinitrotoluene	ug/l	ND	10	
3-Nitroaniline	ug/l	ND	50	
Acenaphthene	ug/l	ND	10	
2,4-Dinitrophenol	ug/l	ND	50	
4-Nitrophenol	ug/l	ND	50	
Dibenzofuran	ug/l	ND	10	
2,4-Dinitrotoluene	ug/l	ND	10	
Diethylphthalate	ug/l	ND	10	
4-Chlorophenyl-phenylether	ug/l	ND	10	
Fluorene	ug/l	ND	10	
4-Nitroaniline	ug/l	ND	50	
4,6-Dinitro-2-methylphenol	ug/l	ND	50	
N-Nitrosodiphenylamine	ug/l	ND	10	
4-Bromophenyl-phenylether	ug/l	ND	10	
Hexachlorobenzene	ug/l	ND	10	
Pentachlorophenol	ug/l	ND	50	
Phenanthrene	ug/l	ND	10	
Anthracene	ug/l	ND	10	
Di-n-butylphthalate	ug/l	ND	10	
Fluoranthene	ug/l	ND	10	
Pyrene	ug/l	ND	10	
Butylbenzylphthalate	ug/l	ND	10	
3,3'-Dichlorobenzidine	ug/l	ND	20	
Benzo(a)anthracene	ug/l	ND	10	
Chrysene	ug/l	ND	10	
bis(2-Ethylhexyl)phthalate	ug/l	ND	10	
Di-n-octylphthalate	ug/l	ND	10	
Benzo(b)fluoranthene	ug/l	ND	10	
Benzo(k)fluoranthene	ug/l	ND	10	
Benzo(a)pyrene	ug/l	ND	10	
Indeno(1,2,3-cd)pyrene	ug/l	ND	10	

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc.

Pace Analytical™
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

QUALITY CONTROL DATA

Pace Project Number: 9219405
Client Project ID: Statesville-3rd Creek/G1-01

METHOD BLANK: 921385357
Associated Pace Samples:
921382636 921382644 921382685

Parameter	Units	Method Blank Result	PRL	Footnotes
Dibenz(a,h)anthracene	ug/l	ND	10	
Benzo(g,h,i)perylene	ug/l	ND	10	
1,2-Diphenylhydrazine	ug/l	ND	20	
Aniline	ug/l	ND	10	
3&4-Methylphenol	ug/l	ND	10	
2-Fluorophenol (S)	%	40		
Phenol-d6 (S)	%	24		
Nitrobenzene-d5 (S)	%	71		
2-Fluorobiphenyl (S)	%	75		
2,4,6-Tribromophenol (S)	%	88		
Terphenyl-d14 (S)	%	96		

MATRIX SPIKE: 921383287

Parameter	Units	921374211	Spike Conc.	Matrix Spike Result	Spike % Rec	Footnotes
1,4-Dichlorobenzene	ug/l	0	50	19.47	38.9	
Phenol	ug/l	0	50	24.26	48.5	
2-Chlorophenol	ug/l	0	50	32.63	65.3	
N-Nitroso-di-n-propylamine	ug/l	5.276	50	33.93	57.3	
1,2,4-Trichlorobenzene	ug/l	0	50	21.55	43.1	1
4-Chloro-3-methylphenol	ug/l	2.140	50	41.47	78.7	
Acenaphthene	ug/l	0	50	34.71	69.4	
4-Nitrophenol	ug/l	15.45	50	53.67	76.4	
2,4-Dinitrotoluene	ug/l	7.092	50	43.11	72.0	
Pentachlorophenol	ug/l	0	50	42.73	85.5	
Pyrene	ug/l	0	50	44.76	89.5	
2-Fluorophenol (S)					59	
Phenol-d6 (S)					44	
Nitrobenzene-d5 (S)					65	
2-Fluorobiphenyl (S)					61	
2,4,6-Tribromophenol (S)					90	
Terphenyl-d14 (S)					80	

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc.

Pace Analytical™
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

QUALITY CONTROL DATA

Pace Project Number: 9219405
Client Project ID: Statesville-3rd Creek/G1-01

LABORATORY CONTROL SAMPLE: 921383295

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	Footnotes
1,3-Dichlorobenzene	ug/l	50	25.92	51.8	
1,4-Dichlorobenzene	ug/l	50	26.63	53.3	
1,2-Dichlorobenzene	ug/l	50	26.13	52.3	
Benzoic Acid	ug/l	50	2.377	4.75	
N-Nitrosodimethylamine	ug/l	50	20.26	40.5	
Phenol	ug/l	50	10.79	21.6	
bis(2-Chloroethyl)ether	ug/l	50	31.11	62.2	
2-Chlorophenol	ug/l	50	30.90	61.8	
Benzyl Alcohol	ug/l	50	49.57	99.1	
2-Methylphenol	ug/l	50	26.96	53.9	
bis(2-Chloroisopropyl)ether	ug/l	50	36.49	73.0	
N-Nitroso-di-n-propylamine	ug/l	50	35.51	71.0	
Hexachloroethane	ug/l	50	24.89	49.8	
Nitrobenzene	ug/l	50	34.80	69.6	
Isophorone	ug/l	50	35.02	70.0	
2-Nitrophenol	ug/l	50	34.69	69.4	
2,4-Dimethylphenol	ug/l	50	32.97	65.9	
bis(2-Chloroethoxy)methane	ug/l	50	34.82	69.6	
2,4-Dichlorophenol	ug/l	50	35.98	72.0	
1,2,4-Trichlorobenzene	ug/l	50	28.95	57.9	
Naphthalene	ug/l	50	32.49	65.0	
4-Chloroaniline	ug/l	50	66.79	134	
Hexachloro-1,3-butadiene	ug/l	50	23.52	47.0	
4-Chloro-3-methylphenol	ug/l	50	37.87	75.7	
2-Methylnaphthalene	ug/l	50	32.74	65.5	
Hexachlorocyclopentadiene	ug/l	50	19.89	39.8	
2,4,6-Trichlorophenol	ug/l	50	38.76	77.5	
2,4,5-Trichlorophenol	ug/l	50	39.34	78.7	
2-Chloronaphthalene	ug/l	50	34.35	68.7	
2-Nitroaniline	ug/l	50	40.46	80.9	
Dimethylphthalate	ug/l	50	40.16	80.3	
Acenaphthylene	ug/l	50	40.02	80.0	
2,6-Dinitrotoluene	ug/l	50	39.38	78.8	
3-Nitroaniline	ug/l	50	50.37	101	
Acenaphthene	ug/l	50	36.18	72.4	
2,4-Dinitrophenol	ug/l	50	29.57	59.1	
4-Nitrophenol	ug/l	50	12.84	25.7	
Dibenzofuran	ug/l	50	38.62	77.2	
2,4-Dinitrotoluene	ug/l	50	40.54	81.1	
Diethylphthalate	ug/l	50	40.91	81.8	
4-Chlorophenyl-phenylether	ug/l	50	38.90	77.8	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

QUALITY CONTROL DATA

Pace Project Number: 9219405
Client Project ID: Statesville-3rd Creek/GI-01

LABORATORY CONTROL SAMPLE: 921383295

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	Footnotes
Fluorene	ug/l	50	38.73	77.5	
4-Nitroaniline	ug/l	50	46.54	93.1	
4,6-Dinitro-2-methylphenol	ug/l	50	36.50	73.0	
N-Nitrosodiphenylamine	ug/l	50	40.96	81.9	
4-Bromophenyl-phenylether	ug/l	50	43.41	86.8	
Hexachlorobenzene	ug/l	50	39.38	78.8	
Pentachlorophenol	ug/l	50	37.56	75.1	
Phenanthrene	ug/l	50	41.14	82.3	
Anthracene	ug/l	50	41.00	82.0	
Di-n-butylphthalate	ug/l	50	43.85	87.7	
Fluoranthene	ug/l	50	41.72	83.4	
Pyrene	ug/l	50	41.56	83.1	
Butylbenzylphthalate	ug/l	50	40.77	81.5	
3,3'-Dichlorobenzidine	ug/l	50	82.25	164	
Benzo(a)anthracene	ug/l	50	41.56	83.1	
Chrysene	ug/l	50	40.25	80.5	
bis(2-Ethylhexyl)phthalate	ug/l	50	41.30	82.6	
Di-n-octylphthalate	ug/l	50	41.58	83.2	
Benzo(b)fluoranthene	ug/l	50	42.28	84.6	
Benzo(k)fluoranthene	ug/l	50	38.76	77.5	
Benzo(a)pyrene	ug/l	50	39.46	78.9	
Indeno(1,2,3-cd)pyrene	ug/l	50	37.59	75.2	
Dibenz(a,h)anthracene	ug/l	50	38.94	77.9	
Benzo(g,h,i)perylene	ug/l	50	38.20	76.4	
1,2-Diphenylhydrazine	ug/l	50	38.82	77.6	
Aniline	ug/l	50	56.93	114	
3&4-Methylphenol	ug/l	50	25.09	50.2	
2-Fluorophenol (S)				36	
Phenol-d6 (S)				21	
Nitrobenzene-d5 (S)				67	
2-Fluorobiphenyl (S)				66	
2,4,6-Tribromophenol (S)				87	
Terphenyl-d14 (S)				78	

SAMPLE DUPLICATE: 921385373

Parameter	Units	921381638	Dup. Result	RPD	Footnotes
1,3-Dichlorobenzene	ug/l	19.00	17.00	9	
1,4-Dichlorobenzene	ug/l	23.00	22.00	4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

QUALITY CONTROL DATA

Pace Project Number: 9219405
Client Project ID: Statesville-3rd Creek/G1-01

SAMPLE DUPLICATE: 921385373

Parameter	Units	921381638	Dup. Result	RPD	Footnotes
1,2-Dichlorobenzene	ug/l	ND	ND	NC	
Benzoic Acid	ug/l	ND	ND	NC	
N-Nitrosodimethylamine	ug/l	ND	ND	NC	
Phenol	ug/l	ND	ND	NC	
bis(2-Chloroethyl)ether	ug/l	ND	ND	NC	
2-Chlorophenol	ug/l	ND	ND	NC	
Benzyl Alcohol	ug/l	ND	ND	NC	
2-Methylphenol	ug/l	ND	ND	NC	
bis(2-Chloroisopropyl)ether	ug/l	ND	ND	NC	
N-Nitroso-di-n-propylamine	ug/l	ND	ND	NC	
Hexachloroethane	ug/l	ND	ND	NC	
Nitrobenzene	ug/l	ND	ND	NC	
Isophorone	ug/l	ND	ND	NC	
2-Nitrophenol	ug/l	ND	ND	NC	
2,4-Dimethylphenol	ug/l	ND	ND	NC	
bis(2-Chloroethoxy)methane	ug/l	ND	ND	NC	
2,4-Dichlorophenol	ug/l	ND	ND	NC	
1,2,4-Trichlorobenzene	ug/l	23.00	23.00	2	
Naphthalene	ug/l	ND	ND	NC	
4-Chloroaniline	ug/l	ND	ND	NC	
Hexachloro-1,3-butadiene	ug/l	ND	ND	NC	
4-Chloro-3-methylphenol	ug/l	ND	ND	NC	
2-Methylnaphthalene	ug/l	ND	ND	NC	
Hexachlorocyclopentadiene	ug/l	ND	ND	NC	
2,4,6-Trichlorophenol	ug/l	ND	ND	NC	
2,4,5-Trichlorophenol	ug/l	ND	ND	NC	
2-Chloronaphthalene	ug/l	ND	ND	NC	
2-Nitroaniline	ug/l	ND	ND	NC	
Dimethylphthalate	ug/l	ND	ND	NC	
Acenaphthylene	ug/l	ND	ND	NC	
2,6-Dinitrotoluene	ug/l	ND	ND	NC	
3-Nitroaniline	ug/l	ND	ND	NC	
Acenaphthene	ug/l	ND	ND	NC	
2,4-Dinitrophenol	ug/l	ND	ND	NC	
4-Nitrophenol	ug/l	ND	ND	NC	
Dibenzofuran	ug/l	ND	ND	NC	
2,4-Dinitrotoluene	ug/l	ND	ND	NC	
Diethylphthalate	ug/l	ND	ND	NC	
4-Chlorophenyl-phenylether	ug/l	ND	ND	NC	
Fluorene	ug/l	ND	ND	NC	
4-Nitroaniline	ug/l	ND	ND	NC	

Pace Analytical™
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

QUALITY CONTROL DATA

Pace Project Number: 9219405
Client Project ID: Statesville-3rd Creek/G1-01

SAMPLE DUPLICATE: 921385373

Parameter	Units	921381638	Dup. Result	RPD	Footnotes
4,6-Dinitro-2-methylphenol	ug/l	ND	ND	NC	
N-Nitrosodiphenylamine	ug/l	ND	ND	NC	
4-Bromophenyl-phenylether	ug/l	ND	ND	NC	
Hexachlorobenzene	ug/l	ND	ND	NC	
Pentachlorophenol	ug/l	ND	ND	NC	
Phenanthrene	ug/l	ND	ND	NC	
Anthracene	ug/l	ND	ND	NC	
Di-n-butylphthalate	ug/l	ND	ND	NC	
Fluoranthene	ug/l	ND	ND	NC	
Pyrene	ug/l	ND	ND	NC	
Butylbenzylphthalate	ug/l	ND	ND	NC	
3,3'-Dichlorobenzidine	ug/l	ND	ND	NC	
Benzo(a)anthracene	ug/l	ND	ND	NC	
Chrysene	ug/l	ND	ND	NC	
bis(2-Ethylhexyl)phthalate	ug/l	ND	ND	NC	
Di-n-octylphthalate	ug/l	ND	ND	NC	
Benzo(b)fluoranthene	ug/l	ND	ND	NC	
Benzo(k)fluoranthene	ug/l	ND	ND	NC	
Benzo(a)pyrene	ug/l	ND	ND	NC	
Indeno(1,2,3-cd)pyrene	ug/l	ND	ND	NC	
Dibenz(a,h)anthracene	ug/l	ND	ND	NC	
Benzo(g,h,i)perylene	ug/l	ND	ND	NC	
1,2-Diphenylhydrazine	ug/l	ND	ND	NC	
Aniline	ug/l	ND	ND	NC	
3&4-Methylphenol	ug/l	ND	ND	NC	
2-Fluorophenol (S)	%	36	31	0	
Phenol-d6 (S)	%	24	20	0	
Nitrobenzene-d5 (S)	%	69	61	0	
2-Fluorobiphenyl (S)	%	67	69	0	
2,4,6-Tribromophenol (S)	%	93	84	0	
Terphenyl-d14 (S)	%	82	80	0	

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

QUALITY CONTROL DATA

Waters Edge Environmental
302-L Pomona Drive
Greensboro, NC 27407

Pace Project Number: 9219405
Client Project ID: Statesville-3rd Creek/G1-01

Attn: Mr. Ed Kuhn
Phone: (336)852-5003

QC Batch ID: 36036
QC Batch Method: EPA 300.0
Analysis Method: EPA 300.0
Analysis Description: Ion Chromatography
Associated Pace Samples: 921382651 921382669 921382677 921382685

METHOD BLANK: 921383410
Associated Pace Samples:
921382651 921382669 921382677 921382685

Parameter	Units	Method Blank Result	PRL	Footnotes
Nitrate	mg/l	ND	0.2	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 921383428 921383436

Parameter	Units	921382651	Spike Conc.	Matrix Spike Result	Spike % Rec	Matrix Sp. Dup. Result	Spike Dup % Rec	RPD	Footnotes
Nitrate	mg/l	1.040	10	11.94	109	12.20	112	2	

LABORATORY CONTROL SAMPLE: 921383444

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	Footnotes
Nitrate	mg/l	5.000	5.470	109	

SAMPLE DUPLICATE: 921396867

Parameter	Units	921394557	Dup. Result	RPD	Footnotes
Nitrate	mg/l	0.2300	ND	NC	

Laboratory Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Laboratory Certification IDs
KY Drinking Water 90090
TN UST List
VA Drinking Water 213

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

QUALITY CONTROL DATA

DATE: 01/04/01

Waters Edge Environmental
302-L Pomona Drive
Greensboro, NC 27407

Pace Project Number: 9219405
Client Project ID: Statesville-3rd Creek/G1-01

Attn: Mr. Ed Kuhn
Phone: (336)852-5003

QC Batch ID: 36103
QC Batch Method: EPA 160.1
Analysis Method: EPA 160.1
Analysis Description: Total Dissolved Solids
Associated Pace Samples: 921382651 921382669 921382677 921382685

METHOD BLANK: 921385563
Associated Pace Samples:
921382651 921382669 921382677 921382685

Parameter	Units	Method Blank Result	PRL	Footnotes
Total Dissolved Solids	mg/l	ND	10	

LABORATORY CONTROL SAMPLE: 921385589

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	Footnotes
Total Dissolved Solids	mg/l	300	278.0	92.7	

SAMPLE DUPLICATE: 921385571

Parameter	Units	921377966	Dup. Result	RPD	Footnotes
Total Dissolved Solids	mg/l	240.0	250.0	2	

SAMPLE DUPLICATE: 921385597

Parameter	Units	921382685	Dup. Result	RPD	Footnotes
Total Dissolved Solids	mg/l	22.00	38.00	53	

Laboratory Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Laboratory Certification IDs
KY Drinking Water 90090
TN UST List
VA Drinking Water 213

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

QUALITY CONTROL DATA

Waters Edge Environmental
302-L Pomona Drive
Greensboro, NC 27407

Pace Project Number: 9219405
Client Project ID: Statesville-3rd Creek/G1-01

Attn: Mr. Ed Kuhn
Phone: (336)852-5003

QC Batch ID: 36222
QC Batch Method: EPA 200.7
Analysis Method: EPA 200.7
Analysis Description: Trace ICP Metals
Associated Pace Samples: 921382636 921382644 921382651 921382669 921382677 921382685

METHOD BLANK: 921390142
Associated Pace Samples:
921382636 921382644 921382651 921382669 921382677 921382685

Parameter	Units	Method Blank Result	PRL	Footnotes
Arsenic	mg/l	ND	0.005	
Barium	mg/l	ND	0.005	
Cadmium	mg/l	ND	0.001	
Chromium	mg/l	ND	0.002	
Lead	mg/l	ND	0.005	
Nickel	mg/l	ND	0.005	
Selenium	mg/l	ND	0.005	
Silver	mg/l	ND	0.002	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 921390159 921390167

Parameter	Units	921390092	Spike Conc.	Matrix Spike Result	Spike % Rec	Matrix Sp. Dup. Result	Spike Dup % Rec	RPD	Footnotes
Arsenic	mg/l	0.001000	0.2500	0.2480	98.8	0.2520	100	2	
Barium	mg/l	0.02690	0.1875	0.1970	90.7	0.1970	90.7	0	
Cadmium	mg/l	0	0.2500	0.2400	96.0	0.2400	96.0	0	
Chromium	mg/l	0	0.2500	0.2300	92.0	0.2300	92.0	0	
Lead	mg/l	0.0007130	0.2500	0.2350	93.7	0.2400	95.7	2	
Nickel	mg/l	0.0004370	0.2500	0.2340	93.4	0.2330	93.0	0	
Selenium	mg/l	0.001230	0.2500	0.2440	97.1	0.2520	100	3	
Silver	mg/l	0	0.2500	0.2410	96.4	0.2400	96.0	0	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Pace Analytical™
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

QUALITY CONTROL DATA

Pace Project Number: 9219405
Client Project ID: Statesville-3rd Creek/G1-01

LABORATORY CONTROL SAMPLE: 921390183

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	Footnotes
Arsenic	mg/l	0.2500	0.2470	98.8	
Barium	mg/l	0.1875	0.1710	91.2	
Cadmium	mg/l	0.2500	0.2420	96.8	
Chromium	mg/l	0.2500	0.2330	93.2	
Lead	mg/l	0.2500	0.2380	95.2	
Nickel	mg/l	0.2500	0.2350	94.0	
Selenium	mg/l	0.2500	0.2450	98.0	
Silver	mg/l	0.2500	0.2400	96.0	

SAMPLE DUPLICATE: 921390175

Parameter	Units	921381513	Dup. Result	RPD	Footnotes
Arsenic	mg/l	ND	ND	NC	
Barium	mg/l	0.03800	0.03900	2	
Cadmium	mg/l	ND	ND	NC	
Chromium	mg/l	ND	ND	NC	
Lead	mg/l	ND	ND	NC	
Nickel	mg/l	ND	ND	NC	
Selenium	mg/l	ND	ND	NC	
Silver	mg/l	ND	ND	NC	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Pace Analytical™
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

QUALITY CONTROL DATA

DATE: 01/04/01

Waters Edge Environmental
302-L Pomona Drive
Greensboro, NC 27407

Pace Project Number: 9219405
Client Project ID: Statesville-3rd Creek/G1-01

Attn: Mr. Ed Kuhn
Phone: (336)852-5003

QC Batch ID: 36321
QC Batch Method: EPA 245.1
Analysis Method: EPA 245.1
Analysis Description: Mercury, CVAAS, in Water
Associated Pace Samples: 921382636 921382644 921382651 921382669 921382677 921382685

METHOD BLANK: 921393211
Associated Pace Samples:
921382636 921382644 921382651 921382669 921382677 921382685

Parameter	Units	Method Blank Result	PRL	Footnotes
Mercury	mg/l	ND	0.0002	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 921393229 921393237

Parameter	Units	921389276	Spike Conc.	Matrix Spike Result	Spike % Rec	Matrix Sp. Dup. Result	Spike Dup % Rec	RPD	Footnotes
Mercury	mg/l	0.001620	0.0050	0.006160	90.8	0.005980	87.2	4	

LABORATORY CONTROL SAMPLE: 921393252

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	Footnotes
Mercury	mg/l	0.0050	0.005780	116	

SAMPLE DUPLICATE: 921393245

Parameter	Units	921387106	Dup. Result	RPD	Footnotes
Mercury	mg/l	ND	ND	NC	

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

QUALITY CONTROL DATA

Waters Edge Environmental
302-L Pomona Drive
Greensboro, NC 27407

Pace Project Number: 9219405
Client Project ID: Statesville-3rd Creek/G1-01

Attn: Mr. Ed Kuhn
Phone: (336)852-5003

QC Batch ID: 36349
QC Batch Method: SM 6230D
Analysis Method: SM 6230D
Analysis Description: GC VOCs in Water
Associated Pace Samples: 921382651 921382669 921382677 921382685

METHOD BLANK: 921394409
Associated Pace Samples:
921382651 921382669 921382677 921382685

Parameter	Units	Method Blank Result	PRL	Footnotes
Dichlorodifluoromethane	ug/l	ND	0.5	
Chloromethane	ug/l	ND	0.5	
Vinyl Chloride	ug/l	ND	0.5	
Bromomethane	ug/l	ND	0.5	
Chloroethane	ug/l	ND	0.5	
Trichlorofluoromethane	ug/l	ND	0.5	
1,1-Dichloroethene	ug/l	ND	0.5	
Methylene Chloride	ug/l	ND	0.5	
trans-1,2-Dichloroethene	ug/l	ND	0.5	
1,1-Dichloroethane	ug/l	ND	0.5	
cis-1,2-Dichloroethene	ug/l	ND	0.5	
Bromochloromethane	ug/l	ND	0.5	
Chloroform	ug/l	ND	0.5	
2,2-Dichloropropane	ug/l	ND	0.5	
1,2-Dichloroethane	ug/l	ND	0.5	
1,1,1-Trichloroethane	ug/l	ND	0.5	
1,1-Dichloropropene	ug/l	ND	0.5	
Carbon Tetrachloride	ug/l	ND	0.5	
Dibromomethane	ug/l	ND	0.5	
1,2-Dichloropropane	ug/l	ND	0.5	
Trichloroethene	ug/l	ND	0.5	
Bromodichloromethane	ug/l	ND	0.5	
cis-1,3-Dichloropropene	ug/l	ND	0.5	
trans-1,3-Dichloropropene	ug/l	ND	0.5	
1,1,2-Trichloroethane	ug/l	ND	0.5	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

QUALITY CONTROL DATA

Pace Project Number: 9219405
Client Project ID: Statesville-3rd Creek/G1-01

METHOD BLANK: 921394409
Associated Pace Samples:
921382651 921382669 921382677 921382685

Parameter	Units	Method Blank Result	PRL	Footnotes
1,3-Dichloropropane	ug/l	ND	0.5	
Dibromochloromethane	ug/l	ND	0.5	
1,2-Dibromoethane	ug/l	ND	0.5	
Tetrachloroethene	ug/l	ND	0.5	
1,1,1,2-Tetrachloroethane	ug/l	ND	0.5	
Chlorobenzene	ug/l	ND	0.5	
Bromoform	ug/l	ND	0.5	
1,1,2,2-Tetrachloroethane	ug/l	ND	0.5	
1,2,3-Trichloropropane	ug/l	ND	0.5	
Bromobenzene	ug/l	ND	0.5	
2-Chlorotoluene	ug/l	ND	0.5	
4-Chlorotoluene	ug/l	ND	0.5	
1,3-Dichlorobenzene	ug/l	ND	1	
1,4-Dichlorobenzene	ug/l	ND	1	
1,2-Dichlorobenzene	ug/l	ND	1	
1,2-Dibromo-3-Chloropropane	ug/l	ND	2	
1,2,4-Trichlorobenzene	ug/l	ND	2	
Hexachloro-1,3-butadiene	ug/l	ND	2	
1,2,3-Trichlorobenzene	ug/l	ND	2	
Methyl-tert-butyl Ether	ug/l	ND	0.5	
Diisopropyl ether	ug/l	ND	0.5	
Benzene	ug/l	ND	0.5	
Toluene	ug/l	ND	0.5	
Ethylbenzene	ug/l	ND	0.5	
m&p-Xylene	ug/l	ND	0.5	
Styrene	ug/l	ND	0.5	
o-Xylene (1,2-Dimethylbenzene)	ug/l	ND	0.5	
Isopropylbenzene (Cumene)	ug/l	ND	0.5	
n-Propylbenzene	ug/l	ND	0.5	
1,3,5-Trimethylbenzene	ug/l	ND	0.5	
tert-Butylbenzene	ug/l	ND	0.5	
1,2,4-Trimethylbenzene	ug/l	ND	0.5	
sec-Butylbenzene	ug/l	ND	0.5	
p-Isopropyltoluene	ug/l	ND	1	
n-Butylbenzene	ug/l	ND	1	
Naphthalene	ug/l	ND	2	
1-Chloro-3-fluorobenzene (S)	%	109		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Pace Analytical™
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078

Phone: 704.875.9092
Fax: 704.875.9091

QUALITY CONTROL DATA

Pace Project Number: 9219405
Client Project ID: Statesville-3rd Creek/G1-01

LABORATORY CONTROL SAMPLE & LCSD: 921394417 921394425

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	LCSD Result	Spike Dup % Rec	RPD	Footnotes
Dichlorodifluoromethane	ug/l	20	21.88	109	31.30	157	36	1
Chloromethane	ug/l	20	21.79	109	27.46	137	23	
Vinyl Chloride	ug/l	20	19.79	99.0	22.47	112	12	
Bromomethane	ug/l	20	18.94	94.7	22.19	111	16	
Chloroethane	ug/l	20	20.14	101	22.05	110	9	
Trichlorofluoromethane	ug/l	20	17.38	86.9	17.78	88.9	2	
1,1-Dichloroethene	ug/l	20	14.45	72.3	24.94	125	53	
Methylene Chloride	ug/l	20	26.96	135	37.34	187	32	1
trans-1,2-Dichloroethene	ug/l	20	13.46	67.3	17.29	86.5	25	
1,1-Dichloroethane	ug/l	20	21.90	110	22.36	112	2	
cis-1,2-Dichloroethene	ug/l	20	20.59	103	22.08	110	7	
Bromochloromethane	ug/l	20	18.71	93.6	20.09	100	7	
Chloroform	ug/l	20	20.22	101	20.11	101	0	
2,2-Dichloropropane	ug/l	20	11.44	57.2	11.40	57.0	0	1,1
1,2-Dichloroethane	ug/l	20	19.89	99.5	21.33	107	7	
1,1,1-Trichloroethane	ug/l	20	19.66	98.3	20.94	105	7	
1,1-Dichloropropene	ug/l	20	20.25	101	22.56	113	11	
Carbon Tetrachloride	ug/l	20	19.82	99.1	20.60	103	4	
Dibromomethane	ug/l	20	18.45	92.3	19.03	95.2	3	
1,2-Dichloropropane	ug/l	20	19.70	98.5	20.29	101	3	
Trichloroethene	ug/l	20	19.90	99.5	21.00	105	5	
Bromodichloromethane	ug/l	20	19.66	98.3	20.06	100	2	
cis-1,3-Dichloropropene	ug/l	20	21.83	109	19.86	99.3	9	
trans-1,3-Dichloropropene	ug/l	20	20.01	100	19.98	99.9	0	
1,1,2-Trichloroethane	ug/l	20	21.07	105	21.92	110	5	
1,3-Dichloropropane	ug/l	20	20.68	103	21.14	106	3	
Dibromochloromethane	ug/l	20	19.27	96.4	20.71	104	8	
1,2-Dibromoethane	ug/l	20	19.93	99.7	21.38	107	7	
Tetrachloroethene	ug/l	20	21.32	107	21.57	108	1	
1,1,1,2-Tetrachloroethane	ug/l	20	13.50	67.5	13.42	67.1	1	
Chlorobenzene	ug/l	20	20.45	102	20.21	101	1	
Bromoform	ug/l	20	18.12	90.6	21.06	105	15	
1,1,2,2-Tetrachloroethane	ug/l	20	20.79	104	22.16	111	7	
1,2,3-Trichloropropane	ug/l	20	21.06	105	22.60	113	7	
Bromobenzene	ug/l	20	19.63	98.2	19.68	98.4	0	
2-Chlorotoluene	ug/l	20	20.04	100	20.79	104	4	
4-Chlorotoluene	ug/l	20	19.82	99.1	20.46	102	3	
1,3-Dichlorobenzene	ug/l	20	19.62	98.1	20.28	101	3	
1,4-Dichlorobenzene	ug/l	20	20.04	100	20.79	104	4	
1,2-Dichlorobenzene	ug/l	20	20.54	103	21.16	106	3	
1,2-Dibromo-3-Chloropropane	ug/l	20	18.94	94.7	21.14	106	11	

Pace Analytical™
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

QUALITY CONTROL DATA

Pace Project Number: 9219405
Client Project ID: Statesville-3rd Creek/G1-01

LABORATORY CONTROL SAMPLE & LCSD: 921394417 921394425

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	LCSD Result	Spike Dup % Rec	RPD	Footnotes
1,2,4-Trichlorobenzene	ug/l	20	16.67	83.4	20.39	102	20	
Hexachloro-1,3-butadiene	ug/l	20	18.63	93.2	20.65	103	10	
1,2,3-Trichlorobenzene	ug/l	20	18.65	93.3	24.42	122	27	
Methyl-tert-butyl Ether	ug/l	20	18.44	92.2	19.88	99.4	8	
Diisopropyl ether	ug/l	20	19.67	98.4	20.88	104	6	
Benzene	ug/l	20	18.82	94.1	18.74	93.7	0	
Toluene	ug/l	20	18.55	92.8	18.55	92.8	0	
Ethylbenzene	ug/l	20	19.76	98.8	19.53	97.7	1	
m&p-Xylene	ug/l	40	40.28	101	39.86	99.7	1	
Styrene	ug/l	20	20.44	102	20.49	102	0	
o-Xylene (1,2-Dimethylbenzene)	ug/l	20	20.02	100	19.81	99.1	1	
Isopropylbenzene (Cumene)	ug/l	20	19.77	98.9	19.96	99.8	1	
n-Propylbenzene	ug/l	20	19.43	97.2	19.97	99.9	3	
1,3,5-Trimethylbenzene	ug/l	20	19.76	98.8	20.47	102	3	
tert-Butylbenzene	ug/l	20	19.86	99.3	20.57	103	4	
1,2,4-Trimethylbenzene	ug/l	20	18.52	92.6	20.04	100	8	
sec-Butylbenzene	ug/l	20	19.22	96.1	20.00	100	4	
p-Isopropyltoluene	ug/l	20	19.12	95.6	19.81	99.1	4	
n-Butylbenzene	ug/l	20	18.82	94.1	19.81	99.1	5	
Naphthalene	ug/l	20	16.52	82.6	22.30	112	30	
1-Chloro-3-fluorobenzene (S)				93		90		

Pace Analytical™
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

QUALITY CONTROL DATA

Waters Edge Environmental
302-L Pomona Drive
Greensboro, NC 27407

Pace Project Number: 9219405
Client Project ID: Statesville-3rd Creek/G1-01

Attn: Mr. Ed Kuhn
Phone: (336)852-5003

QC Batch ID: 36390
Analysis Method: EPA 8260
Associated Pace Samples: 921382636 921382644

QC Batch Method: EPA 8260
Analysis Description: GC/MS VOCs by 8260

METHOD BLANK: 921395992
Associated Pace Samples:
921382636 921382644

Parameter	Units	Method Blank Result	PRL	Footnotes
Dichlorodifluoromethane	ug/l	ND	10	
Chloromethane	ug/l	ND	10	
Vinyl Chloride	ug/l	ND	10	
Bromomethane	ug/l	ND	10	
Chloroethane	ug/l	ND	10	
Trichlorofluoromethane	ug/l	ND	10	
1,1-Dichloroethene	ug/l	ND	5	
Methylene Chloride	ug/l	ND	5	
trans-1,2-Dichloroethene	ug/l	ND	5	
1,1-Dichloroethane	ug/l	ND	5	
cis-1,2-Dichloroethene	ug/l	ND	5	
2,2-Dichloropropane	ug/l	ND	5	
Chloroform	ug/l	ND	5	
Bromochloromethane	ug/l	ND	5	
1,1,1-Trichloroethane	ug/l	ND	5	
1,1-Dichloropropene	ug/l	ND	5	
1,2-Dichloroethane	ug/l	ND	5	
Carbon Tetrachloride	ug/l	ND	5	
Benzene	ug/l	ND	5	
Trichloroethene	ug/l	ND	5	
1,2-Dichloropropane	ug/l	ND	5	
Dibromomethane	ug/l	ND	5	
Bromodichloromethane	ug/l	ND	5	
Toluene	ug/l	ND	5	
1,1,2-Trichloroethane	ug/l	ND	5	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Pace Analytical™
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

QUALITY CONTROL DATA

Pace Project Number: 9219405
Client Project ID: Statesville-3rd Creek/G1-01

METHOD BLANK: 921395992
Associated Pace Samples:
921382636 921382644

Parameter	Units	Method Blank Result	PRL	Footnotes
1,3-Dichloropropane	ug/l	ND	5	
Dibromochloromethane	ug/l	ND	5	
Tetrachloroethene	ug/l	ND	5	
1,2-Dibromoethane	ug/l	ND	5	
Chlorobenzene	ug/l	ND	5	
1,1,1,2-Tetrachloroethane	ug/l	ND	5	
Ethylbenzene	ug/l	ND	5	
m&p-Xylene	ug/l	ND	10	
Styrene	ug/l	ND	5	
o-Xylene (1,2-Dimethylbenzene)	ug/l	ND	5	
Bromoform	ug/l	ND	5	
1,1,2,2-Tetrachloroethane	ug/l	ND	5	
Isopropylbenzene (Cumene)	ug/l	ND	5	
1,2,3-Trichloropropane	ug/l	ND	5	
Bromobenzene	ug/l	ND	5	
n-Propylbenzene	ug/l	ND	5	
2-Chlorotoluene	ug/l	ND	5	
4-Chlorotoluene	ug/l	ND	5	
1,3,5-Trimethylbenzene	ug/l	ND	5	
tert-Butylbenzene	ug/l	ND	5	
1,2,4-Trimethylbenzene	ug/l	ND	5	
sec-Butylbenzene	ug/l	ND	5	
1,3-Dichlorobenzene	ug/l	ND	5	
p-Isopropyltoluene	ug/l	ND	5	
1,4-Dichlorobenzene	ug/l	ND	5	
1,2-Dichlorobenzene	ug/l	ND	5	
n-Butylbenzene	ug/l	ND	5	
1,2-Dibromo-3-Chloropropane	ug/l	ND	5	
1,2,4-Trichlorobenzene	ug/l	ND	5	
Naphthalene	ug/l	ND	5	
Hexachloro-1,3-butadiene	ug/l	ND	5	
1,2,3-Trichlorobenzene	ug/l	ND	5	
Dibromofluoromethane (S)	%	99		
1,2-Dichloroethane-d4 (S)	%	97		
Toluene-d8 (S)	%	99		
4-Bromofluorobenzene (S)	%	104		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078

Phone: 704.875.9092
Fax: 704.875.9091

QUALITY CONTROL DATA

Pace Project Number: 9219405
Client Project ID: Statesville-3rd Creek/G1-01

LABORATORY CONTROL SAMPLE: 921396008

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	Footnotes
Dichlorodifluoromethane	ug/l	50	36.70	73.4	
Chloromethane	ug/l	50	33.63	67.3	
Vinyl Chloride	ug/l	50	42.34	84.7	
Bromomethane	ug/l	50	39.56	79.1	
Chloroethane	ug/l	50	39.42	78.8	
Trichlorofluoromethane	ug/l	50	39.58	79.2	
1,1-Dichloroethene	ug/l	50	50.49	101	
Methylene Chloride	ug/l	50	46.85	93.7	
trans-1,2-Dichloroethene	ug/l	50	50.03	100	
1,1-Dichloroethane	ug/l	50	46.63	93.3	
cis-1,2-Dichloroethene	ug/l	50	48.43	96.9	
2,2-Dichloropropane	ug/l	50	50.32	101	
Chloroform	ug/l	50	45.74	91.5	
Bromochloromethane	ug/l	50	46.82	93.6	
1,1,1-Trichloroethane	ug/l	50	48.75	97.5	
1,1-Dichloropropene	ug/l	50	49.89	99.8	
1,2-Dichloroethane	ug/l	50	44.09	88.2	
Carbon Tetrachloride	ug/l	50	44.47	88.9	
Benzene	ug/l	50	50.43	101	
Trichloroethene	ug/l	50	54.45	109	
1,2-Dichloropropane	ug/l	50	47.66	95.3	
Dibromomethane	ug/l	50	46.95	93.9	
Bromodichloromethane	ug/l	50	42.24	84.5	
Toluene	ug/l	50	49.45	98.9	
1,1,2-Trichloroethane	ug/l	50	48.37	96.7	
1,3-Dichloropropane	ug/l	50	47.97	95.9	
Dibromochloromethane	ug/l	50	37.40	74.8	
Tetrachloroethene	ug/l	50	53.90	108	
1,2-Dibromoethane	ug/l	50	47.67	95.3	
Chlorobenzene	ug/l	50	49.48	99.0	
1,1,1,2-Tetrachloroethane	ug/l	50	48.09	96.2	
Ethylbenzene	ug/l	50	51.99	104	
m&p-Xylene	ug/l	100	106.9	107	
Styrene	ug/l	50	52.95	106	
o-Xylene (1,2-Dimethylbenzene)	ug/l	50	52.82	106	
Bromoform	ug/l	50	30.41	60.8	1
1,1,2,2-Tetrachloroethane	ug/l	50	45.16	90.3	
Isopropylbenzene (Cumene)	ug/l	50	53.04	106	
1,2,3-Trichloropropane	ug/l	50	43.56	87.1	
Bromobenzene	ug/l	50	42.89	85.8	
n-Propylbenzene	ug/l	50	49.60	99.2	

Pace Analytical™
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

QUALITY CONTROL DATA

Pace Project Number: 9219405
Client Project ID: Statesville-3rd Creek/G1-01

LABORATORY CONTROL SAMPLE: 921396008

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	Footnotes
2-Chlorotoluene	ug/l	50	47.50	95.0	
4-Chlorotoluene	ug/l	50	48.94	97.9	
1,3,5-Trimethylbenzene	ug/l	50	50.37	101	
tert-Butylbenzene	ug/l	50	49.02	98.0	
1,2,4-Trimethylbenzene	ug/l	50	49.73	99.5	
sec-Butylbenzene	ug/l	50	50.38	101	
1,3-Dichlorobenzene	ug/l	50	48.15	96.3	
p-Isopropyltoluene	ug/l	50	51.83	104	
1,4-Dichlorobenzene	ug/l	50	48.68	97.4	
1,2-Dichlorobenzene	ug/l	50	49.37	98.7	
n-Butylbenzene	ug/l	50	50.37	101	
1,2-Dibromo-3-Chloropropane	ug/l	50	40.57	81.1	
1,2,4-Trichlorobenzene	ug/l	50	45.44	90.9	
Naphthalene	ug/l	50	43.80	87.6	
Hexachloro-1,3-butadiene	ug/l	50	45.04	90.1	
1,2,3-Trichlorobenzene	ug/l	50	41.68	83.4	
Dibromofluoromethane (S)				97	
1,2-Dichloroethane-d4 (S)				92	
Toluene-d8 (S)				97	
4-Bromofluorobenzene (S)				106	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Pace Analytical™
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078

Phone: 704.875.9092
Fax: 704.875.9091

Pace Project Number: 9219405
Client Project ID: Statesville-3rd Creek/G1-01

QUALITY CONTROL DATA PARAMETER FOOTNOTES

Consistent with EPA guidelines unrounded concentrations are displayed and have been used to calculate % Rec and RPD values.

ND	Not Detected
NC	Not Calculable
PRL	Pace Reporting Limit
RPD	Relative Percent Difference
(S)	Surrogate
[1]	The surrogate and/or spike recovery was outside acceptance limits.

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
54 Ravenscroft Drive
Asheville, NC 28801
Phone: 828.254.7176
Fax: 828.252.4618

QUALITY CONTROL DATA

PASI Inc. Charlotte
9800 Kincey Ave.
Suite 100
Huntersville, NC 28078

Pace Project Number: 9317264
Client Project ID: WATERS EDGE - 9219405

Attn: Project Management
Phone: (704)875-9092

QC Batch ID: 16937
Analysis Method: SM 5310C
Associated Pace Samples: 921382651 921382669 921382677 921382685

QC Batch Method: SM 5310C
Analysis Description: Total Organic Carbon

METHOD BLANK: 93754760
Associated Pace Samples:
921382651 921382669 921382677 921382685

Parameter	Units	Method Blank Result	PRL	Footnotes
Total Organic Carbon	mg/l	ND	2	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 93754778 93754786

Parameter	Units	921377966	Spike Conc.	Matrix Spike Result	Spike % Rec	Matrix Sp. Dup. Result	Spike Dup % Rec	RPD	Footnotes
Total Organic Carbon	mg/l	2.600	20	4.600	10.0	4.600	10.0	0	

LABORATORY CONTROL SAMPLE: 93754802

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	Footnotes
Total Organic Carbon	mg/l	20	18.20	91.0	

SAMPLE DUPLICATE: 93754794

Parameter	Units	921377974	Dup. Result	RPD	Footnotes
Total Organic Carbon	mg/l	24.00	2.400	164	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Pace Analytical™
www.pacelabs.com

Pace Analytical Services, Inc.
54 Ravenscroft Drive
Asheville, NC 28801
Phone: 828.254.7176
Fax: 828.252.4618

Pace Project Number: 9317264
Client Project ID: WATERS EDGE - 9219405

QUALITY CONTROL DATA PARAMETER FOOTNOTES

Consistent with EPA guidelines unrounded concentrations are displayed and have been used to calculate % Rec and RPD values.

ND	Not Detected
NC	Not Calculable
PRL	Pace Reporting Limit
RPD	Relative Percent Difference

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Pace Analytical

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

565392

Page: 1 of 1

Required Client Information: Section A

Company: WATERSHED ENVIRONMENTAL
Address: Greensboro, N.C.
Phone: 336-552-5003 Fax:

Required Client Information: Section B

Report To: Ed Kulon
Invoice To: Ed Kulon
P.O.: [illegible]
Project Name: City of Statesville Creek
Project Number: 01-01

Client Information (Check quote/contract):
Requested Due Date: TAT:

* Turn around times less than 14 days subject to laboratory and contractual obligations and may result in a Rush Turnaround Surcharge.
Turn Around Time (TAT) in calendar days.

To Be Completed by Pace Analytical and Client: Section C

Quote Reference:
Project Manager:
Project #: 19405
Profile #:

Section D Required Client Information:

Valid Matrix Codes:

MATRIX	CODE
WATER	WT
SOIL	SL
OIL	OL
WIPE	WP
AIR	AR
TISSUE	TS
OTHER	OT

ITEM #	SAMPLE ID (One character per box. (A–Z, 0–9 / ,–) Sample IDs MUST BE UNIQUE)	MATRIX CODE	DATE COLLECTED mm / dd / yy	TIME COLLECTED hh: mm a/p	# Containers	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	537D	624D	624D (Acetone+Methanol)	TDS	TOC	Nitrate-Nitrite N		Remarks / Lab
1	MW-9	WT	12-17-00	1415	7	2		1	4			✓	✓		✓				92138263
2	MW-8	WT	12-17-00	1325	8	2	1	1	4					✓	✓	✓	✓	✓	92138265
3	MW-5				7	2		1	4			✓	✓		✓				
4	MW-7	WT	12-17-00	1445	7	2		1	4			✓	✓		✓				92138264
5	MW-3	WT	12-17-00	1140	8	2	1	1	4					✓	✓	✓	✓	✓	92138266
6	MW-6				7	2		1	4			✓	✓		✓				
7	MW-2	WT	12-17-00	1245	10	4	1	1	4			✓		✓	✓	✓	✓	✓	92138267
8	MW-4	WT	12-17-00	1035	8	2	1	1	4					✓	✓	✓	✓	✓	92138265
9																			
10																			
11																			
12																			

NOT SAMPLED

NOT SAMPLED

Sample Condition		Sample Notes	Item No.	Relinquished By / Company	Date	Time	Accepted By / Company	Date	Time
Temp in °C:	0.0			Thomas Hayes / WATERSHED	12-17-00	1540	[illegible]	[illegible]	[illegible]
Received on ICE:	Y / N								
Sealed Cooler:	Y / N								
Samples Intact:	Y / N								

Additional Comments:

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Thomas Hayes

SIGNATURE of SAMPLER: Thomas Hayes

DATE Signed: 12-17-00 (MM / DD / YY)

SEE REVERSE SIDE FOR INSTRUCTIONS