December 2006 Ground Water Sampling and Analysis Report
Third Creek Monofill
The City of Statesville
Statesville, North Carolina
February 22, 2007

Received
FEB 2007
Hazardous
Waste Section

Prepared for

The City of Statesville
Statesville, North Carolina

Prepared by

Waters Edge Environmental, LLC
Raleigh, North Carolina

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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: December 2006 Ground Water Sampling and Analysis Report
Third Creek Monofill
City of Statesville
Statesville, North Carolina
Waters Edge Job No. R4-01

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 (919) 859-9987.

Sincerely,

WATERS EDGE ENVIRONMENTAL, LLC

Phillip L. Rahn, P.G.
Senior Project Manager

cc: Mr. Bud McCarty, NCDENR, DWM – Hazardous Waste Section (3 copies)

07-005/PLR/aht

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December 2006 Ground Water Sampling and Analysis Report
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1 Introduction

The City of Statesville operates a wastewater treatment plant at its Third Creek 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 and Natural Resources, (NCDENR) Division of Waste Management (DWM) 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 landfilled sludges were remediated by excavating and stabilizing the sludge and installing a capping system. The sludges were stabilized by adding a fixation chemical in pre-determined percentages to the sludge material. The treated material was staged, covered, and allowed to cure. Following the curing time for the stabilized material, the media was tested for leachable cadmium, placed back into the trenches, and covered with an impermeable cap system.

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 additional 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 along with three existing monitoring wells on a quarterly monitoring schedule until June 1998.

On September 3, 1996, the DWM 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* (SAP) 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 DWM, in a letter dated June 22, 1998, accepted this certification and the post-closure care period began, including semi-annual monitoring of wells MW-2 through MW-8. In a July 7, 1998 correspondence, the DWM 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 DWM 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 2006 annual ground water sampling event of monitoring wells MW-2 through MW-9.

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 20, 2005 (see Figure 2 and Table 1). 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 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-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 6230D/8260, 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 5310B, and nitrate according to EPA Method 353.2 as required under the non-discharge permit. MW-5 and MW-6 could not be sampled due to insufficient ground water in the wells.

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 5310B and nitrate according to EPA Method 353.2 as required under the non-discharge permit.

3 Results

3.1 Aquifer Characteristics

Based upon the December 20, 2006 ground water levels, the direction of ground water flow appears to be to the south/southwest, responding to an approximate horizontal hydraulic gradient of 0.024 foot per foot (see Figure 2). This is consistent with previous ground water sampling events.

3.2 Analytical Results

The recent laboratory analytical results along with the corresponding 15A NCAC 2L.0202 North Carolina Groundwater Standards (NCGS or 2L Standards) are summarized in Table 2. Historical laboratory analytical results are presented in Table 3. No compounds were detected in any of the ground water samples above 2L Standards, with the exception of the following:

- MW-7 had cadmium at 0.0027 mg/L versus a NCGS at 0.00175 mg/L and lead at 0.025 mg/L versus a NCGS at 0.015 mg/L
- MW-8 had cadmium at 0.0036 mg/L versus a NCGS at 0.00175 mg/L and lead at 0.079 mg/L versus a NCGS at 0.015 mg/L
- MW-9 had cadmium at 0.0086 mg/L versus a NCGS at 0.00175 mg/L and lead at 0.053 mg/L versus a NCGS at 0.015 mg/L

The trihalomethanes detected in the 2005 sampling round are now below detection limits (BDL). Therefore, during the 2005 sampling event, such compounds could have been introduced via the sampling equipment or laboratory. The laboratory report is included in Appendix A.

TDS was detected in the four wells sampled ranging from 58 mg/L (MW-8) to 110 mg/L (MW-3); however, none exceeded the NCGS of 500 mg/L. TOC was BDL in all four wells. Nitrate was detected in the four wells sampled ranging from 0.48 mg/L (MW-4) to 5.1 mg/L (MW-2); however, none exceeded the NCGS of 10 mg/L.

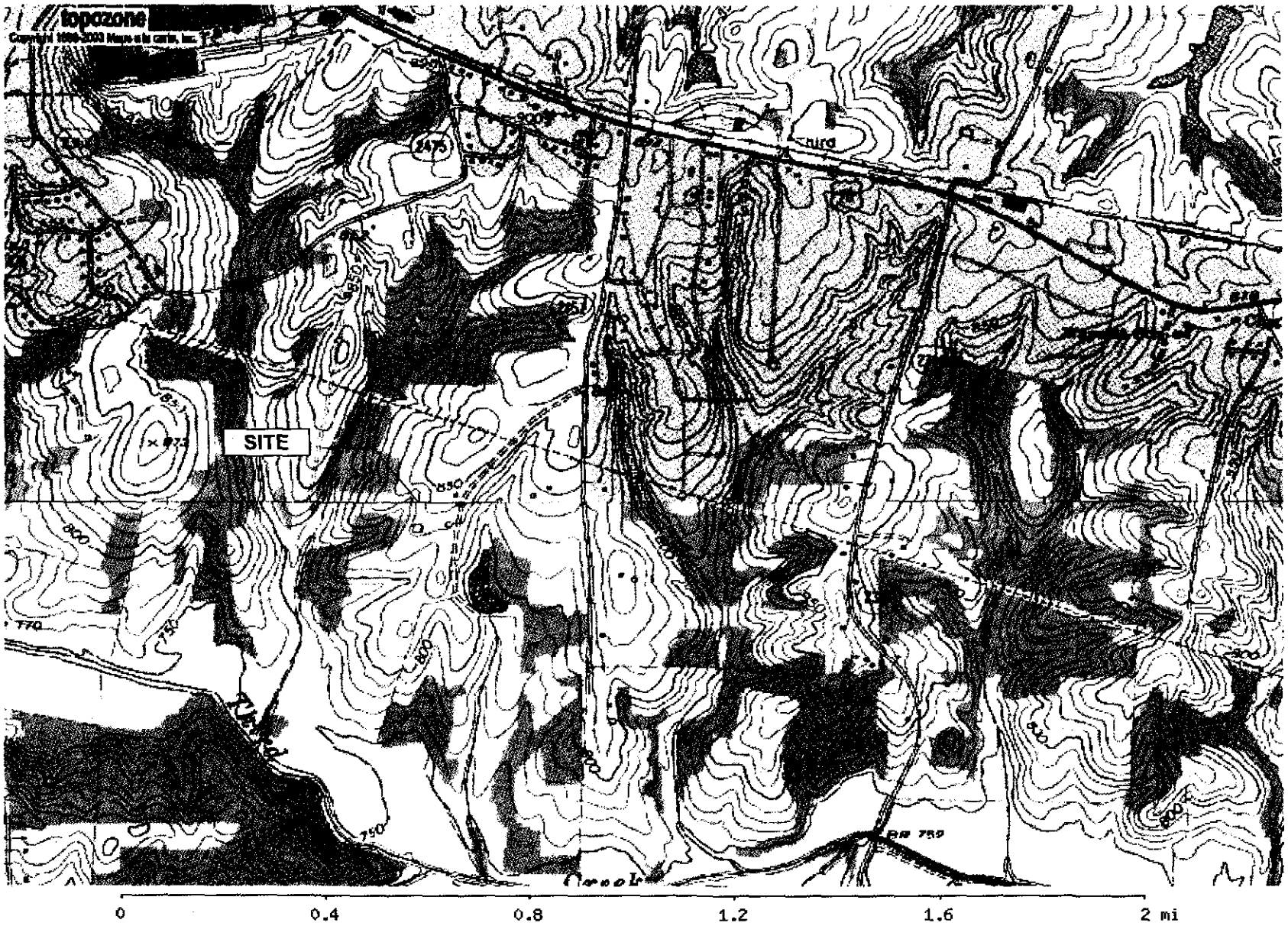
4 Conclusions

Cadmium and lead had slight NCGS exceedances in three of the six wells monitored for this event. Other than cadmium and lead, there were no other compounds detected above 2L Standards. The trihalomethanes detected in the 2005 sampling round are now BDL; therefore, during the previous sampling event, they could have been introduced by the sampling equipment or laboratory.

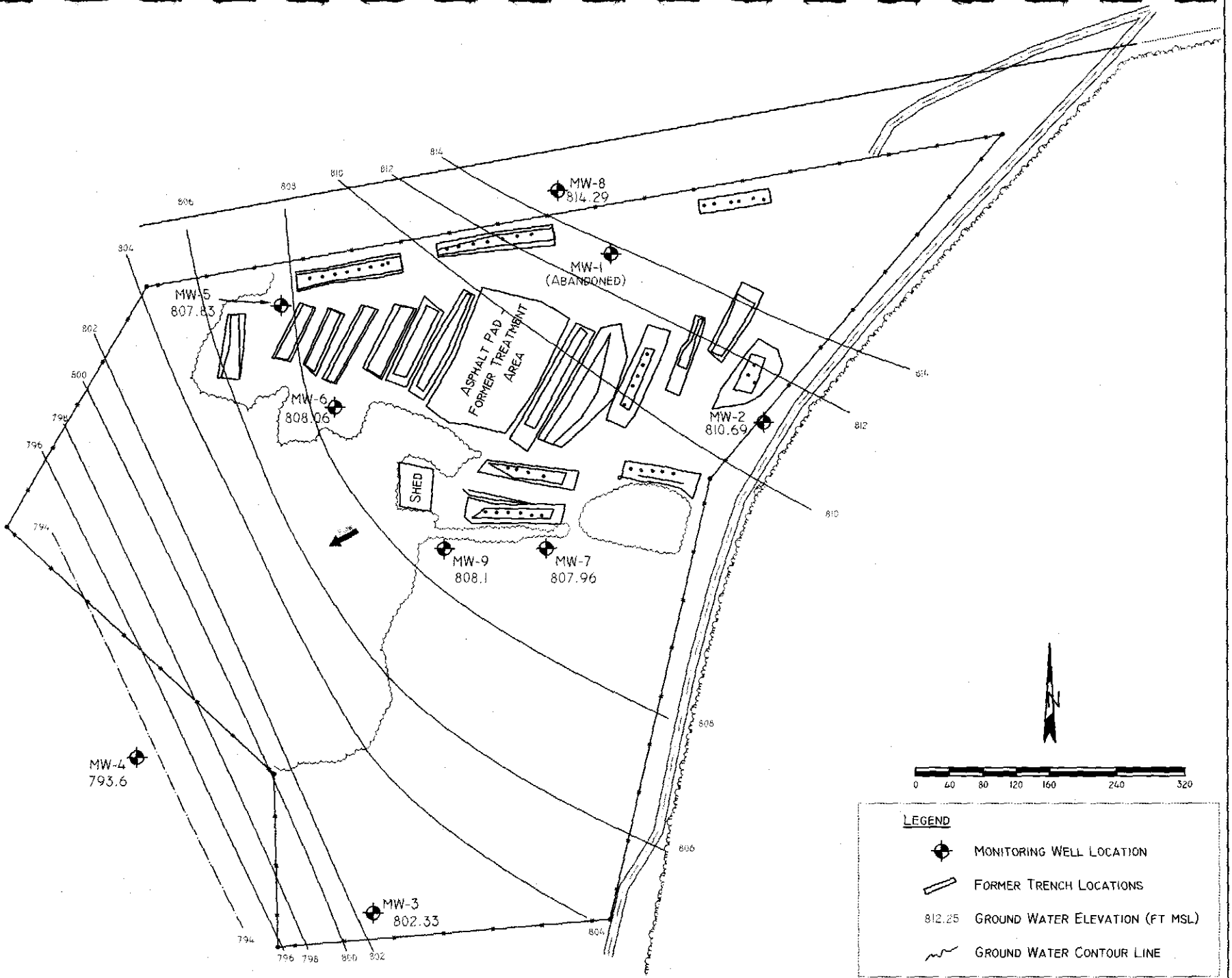
TDS and nitrates are also well below NCGS. TOC was BDL for all four wells.

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 significantly 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 2007. With the exception of the recent anomalous

detection of trihalomethanes that is now BDL, no VOCs or SVOCs have been detected above detection limits for several years. We therefore request that VOCs and SVOCs be eliminated in future sampling efforts. If NCDENR concurs, we will modify the SAP for your review and approval prior to the next sampling event in December 2007.



WATERS EDGE ENVIRONMENTAL, LLC	*Author* jme	*Drawing* R4-01.xls	*Quad* Statesville East	*Quad Date* 1993	*Title* Project Location Map
	Job No. R4-01	*Date*	*Figure* 1	*Scale* as shown	*Project* Third Creek Monofill Statesville, North Carolina



WATERS EDGE ENVIRONMENTAL, LLC	Author	Drawing	Layers	Date	Title
	mbb/jme	07-005 F02		6-19-90	Ground Water Contour Map (Data collected December 20, 2006)
	Job No.	Revision	Figure	Scale	Project
	R4-01	2-21-07	2	1" = 160'	Third Creek Monofill Facility Statesville, North Carolina

Table 1. Ground Water Elevations and Field Parameters for December 20, 2006 Sampling Event

Sample	Top of Casing Elevation (ft)	Depth to Ground Water (ft)	Ground Water Elevation (ft)	pH	Conductivity (umhos/cm)	Temperature (°C)
MW-1	860.08	Well Abandoned	NA	NA	NA	NA
MW-2	847.94	37.25	810.69	NA	NA	NA
MW-3	823.85	21.52	802.33	NA	NA	NA
MW-4	814.68	21.08	793.6	NA	NA	NA
MW-5	847.16	39.33	807.83		Well Not Sampled	
MW-6	850.21	42.15	808.06		Well Not Sampled	
MW-7	847.7	39.74	807.96	NA	NA	NA
MW-8	861.44	47.15	814.29	NA	NA	NA
MW-9	846.48	38.38	808.1	NA	NA	NA

Notes:

Elevations are referenced to previously determined MW-1 elevation
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. R4-01

Table 2 Laboratory Analytical Results for December 20, 2006 Ground Water Sampling Event

Parameter	NCAC 2L	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9
Arsenic	0.05	*<0.005*	*<0.005*	*<0.005*	NC	NC	0.0064	0.027	0.0095
Barium	2	0.49	0.16	0.14	NC	NC	0.94	1.4	1.2
Cadmium	0.00175	*<0.001*	*<0.001*	*<0.001*	NC	NC	**0.0027**	**0.0036**	**0.0086**
Chromium	0.05	*<0.0005*	*<0.0005*	*<0.005*	NC	NC	0.039	0.028	0.03
Lead	0.015	*<0.005*	*<0.005*	*<0.005*	NC	NC	**0.025**	**0.079**	**0.053**
Nickel	0.1	*<0.005*	*<0.005*	*<0.005*	NC	NC	0.016	0.026	0.011
Mercury	0.00105	*<0.0002*	*<0.0002*	*<0.0002*	NC	NC	*<0.0002*	*<0.0002*	*<0.0002*
Nitrogen (as Nitrate)	10	5.1	4.2	0.48	NC	NC	NA	1.3	NA
Selenium	0.05	*<0.01*	*<0.005*	*<0.0050*	NC	NC	*<0.005*	*<0.005*	*<0.005*
Silver	0.0175	*<0.005*	*<0.002*	*<0.0020*	NC	NC	*<0.002*	*<0.002*	*<0.002*
TOC	NS	ND	ND	ND	NC	NC	NA	ND	NA
TDS	500	68	110	70	NC	NC	NA	58	NA
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

DL= Detection Limit

Waters Edge Job No. R4-01

Table 3. Historical Results Metals and Inorganic Parameters

MW-2

Parameter	NCAC 2L	9/29/98	12/15/98	3/2/99	6/29/99	12/13/99	6/29/00	12/19/00	12/13/01	12/3/02	12/16/03	12/27/04
Arsenic	0.05	<0.0017	<0.005	<0.005	<0.005	<0.0053	<0.005	**0.069**	<0.005	<0.005	<0.005	<0.005
Barium	2	0.36	0.48	0.66	0.36	0.88	0.46	**12**	1	0.39	0.49	0.42
Cadmium	0.00175	<0.01	<0.01	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloride	250	2.3	3	1.3	1.2	<5	<5	NA	NA	NA	NA	NA
Chromium	0.05	0.01	0.011	0.02	0.0059	0.024	0.0083	**0.42**	0.019	0.013	0.0074	0.0041
Fluoride, Total	2	<0.2	<0.2	<0.2	<0.2	0.2	<0.20	NA	NA	NA	NA	NA
Iron	0.3	**11**	**23**	**29**	**9.5**	**33**	**12**	NA	NA	NA	NA	NA
Lead	0.015	0.012	0.0093	**0.021**	0.0059	**0.018**	<0.005	**0.27**	**0.017**	0.011	0.0079	<0.005
Manganese	0.05	**0.23**	**0.42**	**0.71**	**0.22**	**0.65**	**0.25**	NA	NA	NA	NA	NA
Mercury	0.00105	<0.0002	<0.0002	<0.0002	<0.0002	0.00079	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Nickel	0.1	IQR	IQR	IQR	IQR	IQR	IQR	IQR	IQR	IQR	IQR	0.0055
Nitrogen, Nitrate	10	6.8	6.2	9.6	7.2	6.3	5.4	4.8	4	3.4	6.6	6.6
Phenol, Low Level	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Silver	0.0175	<0.05	<0.05	<0.05	<0.002	<0.002	0.0028	<0.002	0.0062	<0.002	<0.002	<0.002
Sodium	NS	4.4	3.7	4.8	4.9	4.1	4.3	NA	NA	NA	NA	NA
Sulfate	250	<5	<5.0	<5.0	<5.0	<5	<5	NA	NA	NA	NA	NA
Total Organic Carbon	NS	3.3	1.1	IQR	IQR	IQR	IQR	IQR	<2.0	<2.0	2.8	1.6
Total Organic Halides	NS	0.0011	<0.03	IQR	IQR	IQR	IQR	NA	NA	NA	NA	NA
Gross Alpha[a]	15	2	3.2	4.2	2.9	14.1	1.8	NA	NA	NA	NA	NA
Gross Beta[a]	NS	4.1	6.2	7	6	10.8	5.5	NA	NA	NA	NA	NA
Radium 226[a]	**	0.3	0.6	1.6	1.9	1.3	0.2	NA	NA	NA	NA	NA
Radium 228[a]	**	<0.9	<1.0	0.7	2.6	2.6	1.6	NA	NA	NA	NA	NA

NOTES:
All units are in mg/L unless otherwise specified
NA = Not Analyzed, NS = No Standard
***Bold** Text indicates NCAC 2L Standard exceedance.*
NC = No sample collected due to limited sample volume
[a] Units are in pCi/L

Table 3. Historical Results Metals and Inorganic Parameters

MW-2 (Continued)

Parameter	NCAC 2L	12/7/05	12/20/06
Arsenic	0.05	<0.005	<0.005
Barium	2	0.3	0.49
Cadmium	0.00175	<0.001	<0.001
Chloride	250	NA	NA
Chromium	0.05	0.0088	<0.005
Fluoride, Total	2	NA	NA
Iron	0.3	NA	NA
Lead	0.015	<0.005	<0.005
Manganese	0.05	NA	NA
Mercury	0.00105	<0.0002	<0.0002
Nickel	0.1	<0.005	<0.005
Nitrogen, Nitrate	10	6.5	5.1
Phenol, Low Level	0.3	NA	NA
Selenium	0.05	<0.005	<0.005
Silver	0.0175	<0.002	<0.002
Sodium	NS	NA	NA
Sulfate	250	NA	NA
Total Organic Carbon	NS	6.8	ND
Total Organic Halides	NS	NA	NA
Gross Alpha[a]	15	NA	NA
Gross Beta[a]	NS	NA	NA
Radium 226[a]	**	NA	NA
Radium 228[a]	**	NA	NA

NOTES:
All units are in mg/L unless otherwise specified
NA = Not Analyzed, NS = No Standard
***Bold** Text indicates NCAC 2L Standard exceedance.*
NC = No sample collected due to limited sample volume
[a] *Units are in pCi/L*

Table 3. Historical Results Metals and Inorganic Parameters

MW-3

Parameter	NCAC 2L	12/3/02	12/16/03	12/27/04	12/7/05	12/20/06
Arsenic	0.05	<0.005	<0.005	<0.005	<0.005	<0.005
Barium	2	0.33	0.18	0.17	0.14	0.16
Cadmium	0.00175	<0.001	<0.001	<0.001	<0.001	<0.001
Chloride	250	NA	NA	NA	NA	NA
Chromium	0.05	0.024	<0.002	<0.002	0.0042	<0.005
Fluoride, Total	2	NA	NA	NA	NA	NA
Iron	0.3	NA	NA	NA	NA	NA
Lead	0.015	**0.029**	0.0064	<0.005	0.005	<0.005
Manganese	0.05	NA	NA	NA	NA	NA
Mercury	0.00105	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Nickel	0.1	IQR	IQR	<0.005	<0.005	<0.005
Nitrogen, Nitrate	10	4.2	1.8	2.3	3.9	4.2
Phenol, Low Level	0.3	NA	NA	NA	NA	NA
Selenium	0.05	<0.005	<0.005	<0.005	<0.005	<0.005
Silver	0.0175	<0.002	<0.002	<0.002	<0.002	<0.002
Sodium	NS	NA	NA	NA	NA	NA
Sulfate	250	NA	NA	NA	NA	NA
Total Organic Carbon	NS	4.8	2.2	<0.5	4.2	ND
Total Organic Halides	NS	NA	NA	NA	NA	NA
Gross Alpha[a]	15	NA	NA	NA	NA	NA
Gross Beta[a]	NS	NA	NA	NA	NA	NA
Radium 226[a]	**	NA	NA	NA	NA	NA
Radium 228[a]	**	NA	NA	NA	NA	NA

NOTES:
All units are in mg/L unless otherwise specified
NA = Not Analyzed, NS = No Standard
***Bold** Text indicates NCAC 2L Standard exceedance.*
NC = No sample collected due to limited sample volume
[a] *Units are in pCi/L*

Table 3. Historical Results Metals and Inorganic Parameters

MW-4

Parameter	NCAC 2L	12/3/02	12/16/03	12/27/04	12/7/05	12/20/06
Arsenic	0.05	<0.005	0.0057	<0.005	<0.005	<0.005
Barium	2	0.028	0.37	0.16	0.091	0.14
Cadmium	0.00175	<0.001	<0.001	**0.0032**	<0.001	<0.001
Chloride	250	NA	NA	NA	NA	NA
Chromium	0.05	<0.002	0.012	0.0064	0.0045	<0.005
Fluoride, Total	2	NA	NA	NA	NA	NA
Iron	0.3	NA	NA	NA	NA	NA
Lead	0.015	<0.005	**0.025**	0.0095	0.0074	<0.005
Manganese	0.05	NA	NA	NA	NA	NA
Mercury	0.00105	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Nickel	0.1	IQR	IQR	0.0084	<0.005	<0.005
Nitrogen, Nitrate	10	0.61	0.37	0.5	0.42	0.48
Phenol, Low Level	0.3	NA	NA	NA	NA	NA
Selenium	0.05	<0.005	<0.005	0.0066	<0.005	<0.005
Silver	0.0175	<0.002	<0.002	0.0034	<0.002	<0.002
Sodium	NS	NA	NA	NA	NA	NA
Sulfate	250	NA	NA	NA	NA	NA
Total Organic Carbon	NS	1.0	1.5	0.59	3.80	ND
Total Organic Halides	NS	NA	NA	NA	NA	NA
Gross Alpha[a]	15	NA	NA	NA	NA	NA
Gross Beta[a]	NS	NA	NA	NA	NA	NA
Radium 226[a]	**	NA	NA	NA	NA	NA
Radium 228[a]	**	NA	NA	NA	NA	NA

NOTES:
All units are in mg/L unless otherwise specified
NA = Not Analyzed, NS = No Standard
***Bold** Text indicates NCAC 2L Standard exceedance.*
NC = No sample collected due to limited sample volume
[a] *Units are in pCi/L*

Table 3. Historical Results Metals and Inorganic Parameters

MW-5

Parameter	NCAC 2L	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	9/15/97	12/16/97
Arsenic	0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.007
Barium	2	1.99	0.61	0.21	0.039	0.39	0.29	0.43	0.28	0.21	0.31	0.42
Cadmium	0.00175	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Chloride	250	4	6	3.2	3.4	4.9	3.7	4	3.7	3.9	4.8	5
Chromium	0.05	<0.010	0.01	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Fluoride, Total	2	0.14	0.14	<0.10	<0.10	<0.2	<0.2	<0.1	<0.2	<0.2	<0.2	<0.2
Iron	0.3	**61**	**16**	**2.5**	**18**	**3.5**	**6.4**	**0.84**	0.16	**8.4**	**8.3**	**14**
Lead	0.015	**0.1**	<0.10	0.005	0.008	0.007	0.006	<0.005	<0.005	<0.005	0.007	0.011
Manganese	0.05	**7.4**	**14**	**1.7**	**1.3**	**1.9**	**1.1**	**1.2**	**0.85**	**1.5**	**1.4**	**1.4**
Mercury	0.00105	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Nickel	0.1	IQR	IQR	IQR	IQR	IQR	IQR	IQR	IQR	IQR	IQR	IQR
Nitrogen, Nitrate	10	0.6	<0.1	0.49	0.5	0.42	0.3	0.39	0.34	0.31	0.38	0.36
Phenol, Low Level	0.3	<0.002	NC	<0.005	<0.005	0.005	NA	NA	NA	NA	NA	NA
Selenium	0.05	<0.005	0.006	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Silver	0.0175	<0.005	<0.010	<0.005	0.014	<0.010	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Sodium	NS	4.2	8.4	2.5	3.1	3.4	2.3	2.3	1.9	3.1	3.4	4.3
Sulfate	250	2	<1.0	<1.0	2.7	<5	<5	<5	<5	<5	<10	<10
Total Organic Carbon	NS	6	6	3.5	3	3.3	<1	<1	6	3	<1	1.09
Total Organic Halides	NS	0.021	0.14	0.009	0.012	0.0481	0.016	0.019	0.033	0.01	0.014	0.007
Gross Alpha[a]	15	1.2	NC	1.2	11.3	3.7	3.2	4.1	2.9	2	2	2.8
Gross Beta[a]	NS	3	NC	3.5	10.2	4.8	5.3	5.8	4.1	2.8	3.2	4.9
Radium 226[a]	**	1.3	<0.2	1.2	2.8	1.9	1.7	0.6	0.7	1.2	0.4	1.2
Radium 228[a]	**	1.6	<0.9	1.1	2.5	1.2	3	2	0.8	1.2	<0.9	1.8

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
***Bold** Text indicates NCAC 2L Standard exceedance.*
NC = No sample collected due to limited sample volume
[a] *Units are in pCi/L*

Table 3. Historical Results Metals and Inorganic Parameters

MW-5 (Continued)

Parameter	NCAC 2L	3/4/98	6/17/98	12/15/98	12/16/03	12/27/04	12/7/05	12/20/06
Arsenic	0.05	<0.005	<0.005	<0.005	<0.005	NC	NC	NC
Barium	2	0.23	0.23	0.2	0.12	NC	NC	NC
Cadmium	0.00175	<0.010	<0.010	<0.01	**0.0024**	NC	NC	NC
Chloride	250	4	2	NC	NA	NC	NC	NC
Chromium	0.05	<0.010	<0.010	<0.01	<0.002	NC	NC	NC
Fluoride, Total	2	<0.2	<0.2	NC	NA	NC	NC	NC
Iron	0.3	**2.9**	**4.1**	**5.3**	NA	NC	NC	NC
Lead	0.015	<0.005	<0.005	<0.005	<0.005	NC	NC	NC
Manganese	0.05	**0.74**	**1.1**	NC	NA	NC	NC	NC
Mercury	0.00105	<0.0002	<0.0002	<0.0002	<0.0002	NC	NC	NC
Nickel	0.1	IQR	IQR	IQR	IQR	NC	NC	NC
Nitrogen, Nitrate	10	0.35	0.15	NC	NA	NC	NC	NC
Phenol, Low Level	0.3	NA	NA	NA	NA	NC	NC	NC
Selenium	0.05	<0.005	<0.005	<0.005	<0.005	NC	NC	NC
Silver	0.0175	<0.050	<0.050	<0.05	<0.002	NC	NC	NC
Sodium	NS	3.3	2.5	2.7	NA	NC	NC	NC
Sulfate	250	<5	<10	NC	NA	NC	NC	NC
Total Organic Carbon	NS	2.4	2.2	NC	NA	NC	NC	NC
Total Organic Halides	NS	<0.005	<0.005	NC	NA	NC	NC	NC
Gross Alpha[a]	15	1.6	1.8	NC	NA	NC	NC	NC
Gross Beta[a]	NS	3.3	3	NC	NA	NC	NC	NC
Radium 226[a]	**	0.5	0.7	NC	NA	NC	NC	NC
Radium 228[a]	**	<0.9	1.1	NC	NA	NC	NC	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
***Bold** Text indicates NCAC 2L Standard exceedance.*
NC = No sample collected due to limited sample volume
[a] Units are in pCi/L

Table 3. Historical Results Metals and Inorganic Parameters

MW-6

Parameter	NCAC 2L	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	9/15/97	12/16/97
Arsenic	0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Barium	2	0.405	0.192	0.17	0.22	0.23	0.3	0.21	0.23	0.44	0.2	0.27
Cadmium	0.00175	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Chloride	250	3.5	2.5	2.2	3.6	4.8	3.2	2	3.7	5.1	3	2
Chromium	0.05	<0.010	0.01	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.031	<0.010	<0.010
Fluoride, Total	2	0.12	0.14	<0.1	<0.10	<0.2	<0.2	<0.1	<0.2	<0.2	<0.2	<0.2
Iron	0.3	**22**	**2.1**	**0.65**	**6.3**	**6**	**7.5**	0.22	**0.47**	**21**	**3.8**	**8.6**
Lead	0.015	<0.10	<0.10	<0.005	<0.005	<0.005	0.009	<0.005	<0.005	0.01	<0.005	0.008
Manganese	0.05	**0.796**	**0.13**	**0.07**	**0.21**	**0.22**	**0.3**	0.044	**0.093**	**0.66**	**0.18**	**0.3**
Mercury	0.00105	<0.0002	<0.0002	<0.0002	<0.0002	**0.003**	0.0003	0.0002	0.00033	**0.0013**	0.0007	0.0003
Nickel	0.1	IQR	IQR	IQR	IQR	IQR	IQR	IQR	IQR	IQR	IQR	IQR
Nitrogen, Nitrate	10	2.2	3.1	2.1	4.7	4.6	2.4	1.8	2.8	2.4	1.8	1.7
Phenol, Low Level	0.3	<0.002	<0.002	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	NA
Selenium	0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Silver	0.0175	<0.005	<0.010	<0.005	<0.005	<0.010	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Sodium	NS	5.9	5	6.8	5.2	5	5	5	4.8	5.3	5.5	6.5
Sulfate	250	2	2	<1.0	<1.0	<5	<5	<50	<5	<5	<10	<10
Total Organic Carbon	NS	1	<1	2.4	1	2.9	<1	<1	3	1	1	1
Total Organic Halides	NS	0.007	0.018	NC	0.009	0.0311	0.012	0.0272	0.013	0.019	<0.005	0.017
Gross Alpha[a]	15	<1.0	1.7	1.4	2.1	3.7	2.1	1.5	3.5	3.4	2.7	5.1
Gross Beta[a]	NS	3.9	3.5	2.8	4.1	3.4	2.6	3.4	4	3.5	2.3	3.7
Radium 226[a]	**	1.2	0.5	0.5	0.4	0.6	0.2	0.6	0.3	1.7	0.3	1.5
Radium 228[a]	**	1.3	<0.9	1	0.8	1.1	<1.1	0.9	<0.8	1.1	<1.0	<0.8

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
***Bold** Text indicates NCAC 2L Standard exceedance.*
NC = No sample collected due to limited sample volume
[a] Units are in pCi/L

Table 3. Historical Results Metals and Inorganic Parameters

MW-6 (Continued)

Parameter	NCAC 2L	3/4/98	6/16/98	12/16/98	12/16/03	12/27/04	12/7/05	12/20/06
Arsenic	0.05	<0.005	<0.005	<0.005	<0.005	NC	NC	NC
Barium	2	0.21	0.38	0.17	0.32	NC	NC	NC
Cadmium	0.00175	<0.010	<0.010	<0.010	<0.010	NC	NC	NC
Chloride	250	2	3	3	NA	NC	NC	NC
Chromium	0.05	<0.010	0.025	<0.010	0.0043	NC	NC	NC
Fluoride, Total	2	<0.2	<0.2	<0.2	NA	NC	NC	NC
Iron	0.3	**4.7**	**17**	**0.8**	NA	NC	NC	NC
Lead	0.015	<0.005	0.01	<0.005	0.0079	NC	NC	NC
Manganese	0.05	**0.17**	**0.57**	**0.072**	NA	NC	NC	NC
Mercury	0.00105	0.0009	**0.0034**	<0.0002	<0.0002	NC	NC	NC
Nickel	0.1	IQR	IQR	IQR	IQR	NC	NC	NC
Nitrogen, Nitrate	10	1.9	2	1.8	NA	NC	NC	NC
Phenol, Low Level	0.3	NA	NA	NA	NA	NC	NC	NC
Selenium	0.05	<0.005	<0.005	<0.005	<0.005	NC	NC	NC
Silver	0.0175	<0.050	<0.050	<0.050	<0.002	NC	NC	NC
Sodium	NS	5.3	4.7	4.2	NA	NC	NC	NC
Sulfate	250	<5	<10	<5.0	NA	NC	NC	NC
Total Organic Carbon	NS	6.6	2.8	2.2	NA	NC	NC	NC
Total Organic Halides	NS	<0.005	<0.005	<0.030	NA	NC	NC	NC
Gross Alpha[a]	15	1.5	3.2	2.1	NA	NC	NC	NC
Gross Beta[a]	NS	2.3	4	4.5	NA	NC	NC	NC
Radium 226[a]	**	0.3	1	0.5	NA	NC	NC	NC
Radium 228[a]	**	<0.8	1.2	<1.0	NA	NC	NC	NC

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
***Bold** Text indicates NCAC 2L Standard exceedance.*
NC = No sample collected due to limited sample volume
[a] Units are in pCi/L

Table 3. Historical Results Metals and Inorganic Parameters

MW-7

Parameter	NCAC 2L	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	9/16/97	12/16/97
Arsenic	0.05	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Barium	2	**2.43**	**2.6**	1.2	0.7	0.21	0.21	0.13	0.11	0.14	0.33	0.59
Cadmium	0.00175	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Chloride	250	3.5	1.5	<2.7	2.4	2.4	2.7	2	2.9	3.2	3	2
Chromium	0.05	**0.143**	**0.185**	**0.063**	0.048	<0.010	<0.010	<0.010	<0.010	<0.010	0.021	0.039
Fluoride, Total	2	0.12	0.16	0.14	<0.10	<0.2	<0.2	<0.1	<0.2	<0.2	<0.2	<0.2
Iron	0.3	**210**	**190**	**64**	**54**	**13**	**12**	0.21	**0.63**	**8**	**23**	**42**
Lead	0.015	**0.13**	**0.12**	**0.034**	**0.025**	0.006	0.007	<0.005	<0.005	<0.005	0.012	**0.021**
Manganese	0.05	**5.59**	**6.6**	**2.68**	**1.4**	**0.39**	**0.44**	**0.06**	**0.07**	**0.21**	**0.63**	**1.2**
Mercury	0.00105	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Nickel	0.1	IQR	IQR	IQR	IQR	IQR	IQR	IQR	IQR	IQR	IQR	IQR
Nitrogen, Nitrate	10	1.1	2.8	1.4	1.3	1.3	1.7	1.5	1.2	1.6	1.3	1.3
Phenol, Low Level	0.3	<0.002	<0.002	<0.005	<0.005	0.008	NA	NA	NA	NA	NA	NA
Selenium	0.05	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Silver	0.0175	<0.005	<0.010	<0.005	<0.005	<0.01	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Sodium	NS	6.4	6.4	6.3	5.7	5.5	5.9	6.1	6.3	7.4	7.2	8.4
Sulfate	250	<1	<1	<1	<1.0	<5	<5	<5	<5	<5	<10	<10
Total Organic Carbon	NS	2	1	3.2	1	1.3	<1	<1	1.9	<1	<1	<1
Total Organic Halides	NS	0.013	0.012	0.019	<0.005	0.0291	<0.005	0.0326	0.026	<0.005	<0.005	0.009
Gross Alpha[a]	15	10.4	12	8	5.3	2.9	1.7	1.4	<0.9	1	2.6	4.1
Gross Beta[a]	NS	14.1	11.3	6.6	6.6	3.9	2.5	2.6	3.4	2.1	2.8	4.7
Radium 226[a]	**	3.3	0.8	3	0.8	0.5	0.3	0.5	0.2	0.7	1	0.8
Radium 228[a]	**	4.1	<0.9	2.5	1.2	1	<1.2	0.8	<0.8	<0.8	<0.9	<0.8

NOTES: All units are in mg/L unless otherwise specified
NA = Not Analyzed, NS = No Standard
***Bold** Text indicates NCAC 2L Standard exceedance.*
NC = No sample collected due to limited sample volume
[a] *Units are in pCi/L*

Table 3. Historical Results Metals and Inorganic Parameters

MW-7 (Continued)

Parameter	NCAC 2L	3/6/98	6/17/98	12/16/98	6/29/99	12/14/99	6/29/00	12/19/00	12/13/01	12/3/02	12/16/03	12/27/04
Arsenic	0.05	<0.010	<0.005	<0.005	<0.005	<0.005	<0.005	0.0055	<0.005	<0.005	<0.005	<0.005
Barium	2	0.16	0.14	0.63	0.31	0.48	0.35	0.56	1.4	0.061	0.56	0.44
Cadmium	0.00175	<0.010	<0.010	<0.010	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloride	250	2	2	0.042	<1.0	6.3	5.8	NA	NA	NA	NA	NA
Chromium	0.05	<0.010	<0.010	<0.2	0.02	0.019	0.021	0.035	0.026	0.0035	0.014	0.0091
Fluoride, Total	2	<0.2	<0.2	<0.2	<0.2	0.24	<0.2	NA	NA	NA	NA	NA
Iron	0.3	**9.7**	**7.3**	**51**	**22**	**20**	**26**	NA	NA	NA	NA	NA
Lead	0.015	0.005	<0.005	**0.022**	0.014	0.014	0.0086	**0.017**	**0.016**	<0.005	0.011	<0.005
Manganese	0.05	**0.26**	**0.19**	**1.3**	**0.6**	**0.7**	**0.72**	NA	NA	NA	NA	NA
Mercury	0.00105	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Nickel	0.1	IQR	IQR	IQR	IQR	IQR	IQR	IQR	IQR	IQR	IQR	0.0065
Nitrogen, Nitrate	10	1.5	1.2	1	0.97	0.012	0.079	NA	NA	NA	NA	NA
Phenol, Low Level	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Silver	0.0175	<0.050	<0.050	<0.05	<0.002	<0.002	0.0027	<0.002	<0.002	<0.002	<0.002	<0.002
Sodium	NS	7.7	7.1	5.6	6.8	6.9	6.9	NA	NA	NA	NA	NA
Sulfate	250	<5	<10	<5.0	<5.0	<5	5.5	NA	NA	NA	NA	NA
Total Organic Carbon	NS	1.1	0.97	0.7	IQR	IQR	IQR	NA	NA	NA	NA	NA
Total Organic Halides	NS	<0.005	<0.005	<0.030	IQR	IQR	IQR	NA	NA	NA	NA	NA
Gross Alpha[a]	15	1.5	1.3	3.9	3.3	6.5	3.9	NA	NA	NA	NA	NA
Gross Beta[a]	NS	3.4	1.5	0.8	5.1	7.2	6	NA	NA	NA	NA	NA
Radium 226[a]	**	0.2	0.7	<1.0	1.2	1.3	0.7	NA	NA	NA	NA	NA
Radium 228[a]	**	<0.8	<0.9	<1.0	1.3	<1.0	3.6	NA	NA	NA	NA	NA

NOTES: All units are in mg/L unless otherwise specified
NA = Not Analyzed, NS = No Standard
***Bold** Text indicates NCAC 2L Standard exceedance.*
NC = No sample collected due to limited sample volume
[a] Units are in pCi/L

Table 3. Historical Results Metals and Inorganic Parameters

MW-7 (Continued)

Parameter	NCAC 2L	12/7/05	12/20/06
Arsenic	0.05	<0.005	0.0064
Barium	2	0.55	0.94
Cadmium	0.00175	<0.001	**0.0027**
Chloride	250	NA	NA
Chromium	0.05	0.026	0.039
Fluoride, Total	2	NA	NA
Iron	0.3	NA	NA
Lead	0.015	0.014	**0.025**
Manganese	0.05	NA	NA
Mercury	0.00105	<0.0002	<0.0002
Nickel	0.1	0.013	0.016
Nitrogen, Nitrate	10	NA	NA
Phenol, Low Level	0.3	NA	NA
Selenium	0.05	<0.005	<0.005
Silver	0.0175	<0.002	<0.002
Sodium	NS	NA	NA
Sulfate	250	NA	NA
Total Organic Carbon	NS	NA	NA
Total Organic Halides	NS	NA	NA
Gross Alpha[a]	15	NA	NA
Gross Beta[a]	NS	NA	NA
Radium 226[a]	**	NA	NA
Radium 228[a]	**	NA	NA

NOTES: All units are in mg/L unless otherwise specified
NA = Not Analyzed, NS = No Standard
***Bold** Text indicates NCAC 2L Standard exceedance.*
NC = No sample collected due to limited sample volume
[a] *Units are in pCi/L*

Table 3. Historical Results Metals and Inorganic Parameters

MW-8

Parameter	NCAC 2L	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	9/16/97	12/15/97
Arsenic	0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Barium	2	0.8	0.73	0.74	0.88	0.28	0.17	0.15	0.12	0.11	0.11	0.24
Cadmium	0.00175	<0.010	<0.010	<0.010	<0.010	<0.01	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Chloride	250	2.5	2.5	5	2.2	2.9	3.5	2.2	2.7	3.2	2.3	3
Chromium	0.05	<0.010	0.022	0.017	0.024	<0.01	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Fluoride, Total	2	0.21	0.14	<0.1	<0.10	<0.2	<0.2	<0.1	<0.2	<0.2	<0.2	<0.2
Iron	0.3	**26**	**27**	**27**	**35**	**9.9**	**3**	0.11	0.12	**2.8**	**2.7**	**8.3**
Lead	0.015	<0.10	<0.10	**0.035**	**0.046**	0.013	<0.005	<0.005	<0.005	<0.005	0.006	<0.10
Manganese	0.05	**1.07**	**1.34**	**1.26**	**1.2**	**0.32**	**0.11**	0.026	0.024	**0.077**	**0.07**	**0.23**
Mercury	*0.00105*	0.0002	0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Nickel	0.1	IQR	IQR	IQR	IQR	IQR	IQR	IQR	IQR	IQR	IQR	IQR
Nitrogen, Nitrate	10	1.4	3.4	1.2	1.2	1.6	1.4	1.4	1.3	1.4	1.5	1.4
Phenol, Low Level	0.3	<0.002	<0.002	<0.005	<0.005	0.007	NA	NA	NA	NA	NA	NA
Selenium	0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Silver	0.0175	<0.005	<0.010	<0.005	<0.005	<0.010	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Sodium	NS	2.3	2.6	2.5	2.3	5	3.3	2.3	2.5	5.5	4.9	3.8
Sulfate	250	1	<1.0	<1.0	<1.0	<5	<5	<5	<5	<5	<10	<10
Total Organic Carbon	NS	2	<1.0	2.3	2	1.5	<1	<1	1.1	<1	4	<1
Total Organic Halides	NS	<0.005	0.027	<0.005	<0.005	0.0181	0.023	0.0134	0.01	<0.005	<0.005	<0.005
Gross Alpha[a]	15	4.9	6.3	6.1	5.4	2	1	2	2.3	0.8	1	1.7
Gross Beta[a]	NS	5.6	7.2	5.4	5.7	3.6	2.2	4.3	3.7	2.1	2.9	2.9
Radium 226[a]	**	3.6	0.4	2.4	0.7	0.3	1.1	1.4	1	0.5	0.5	0.6
Radium 228[a]	**	1.8	<0.9	1.2	1.1	0.9	1.2	0.9	<0.8	<0.8	<0.9	<0.8

NOTES: All units are in mg/L unless otherwise specified
NA = Not Analyzed, NS = No Standard
***Bold** Text indicates NCAC 2L Standard exceedance.*
NC = No sample collected due to limited sample volume
[a] Units are in pCi/L

Table 3. Historical Results Metals and Inorganic Parameters

MW-8 (Continued)

Parameter	NCAC 2L	3/5/98	6/17/98	12/15/98	6/30/99	12/14/99	6/29/00	12/19/00	12/13/01	12/3/02	12/16/03	12/27/04
Arsenic	0.05	<0.005	<0.005	<0.005	<0.005	<0.005	0.012	<0.005	<0.005	<0.005	<0.005	<0.005
Barium	2	0.29	0.16	0.41	0.034	0.22	1.1	0.26	0.14	0.06	0.26	0.19
Cadmium	0.00175	<0.010	<0.010	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloride	250	2	2	3.3	1.4	<5	<5	NA	NA	NA	NA	NA
Chromium	0.05	<0.010	<0.010	<0.01	<0.0037	0.0067	0.027	0.0076	0.017	0.0031	0.0034	0.0029
Fluoride, Total	2	<0.2	<0.2	<0.2	<0.2	0.28	<0.2	NA	NA	NA	NA	NA
Iron	0.3	**8.3**	**3.9**	**13**	**6.8**	**5.6**	**42**	NA	NA	NA	NA	NA
Lead	0.015	**0.015**	0.007	**0.019**	**0.017**	0.014	**0.61**	0.01	0.0051	<0.005	0.0074	0.006
Manganese	0.05	**0.23**	**0.12**	**0.33**	**0.26**	**0.15**	**1**	NA	NA	NA	NA	NA
Mercury	0.00105	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Nickel	0.1	IQR	IQR	IQR	IQR	IQR	IQR	IQR	IQR	IQR	IQR	<0.005
Nitrogen, Nitrate	10	1.4	1.4	1.3	1.3	1.1	0.5	1	1.2	1.2	1.1	1.4
Phenol, Low Level	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	0.05	<0.005	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Silver	0.0175	<0.050	<0.050	**2**	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Sodium	NS	3	6.2	<5.0	2.7	3.8	3.3	NA	NA	NA	NA	NA
Sulfate	250	<5	<10	1	<5	<5	5.5	NA	NA	NA	NA	NA
Total Organic Carbon	NS	0.66	0.78	1	IQR	IQR	IQR	2	<2.0	NA	1.8	<0.5
Total Organic Halides	NS	<0.005	7.1	<0.03	NA	NA	NA	NA	NA	NA	NA	NA
Gross Alpha[a]	15	0.9	1.4	2.4	2.4	1.9	**17.7**	NA	NA	NA	NA	NA
Gross Beta[a]	NS	3.1	4.6	3.6	3.6	3.1	19.5	NA	NA	NA	NA	NA
Radium 226[a]	**	0.4	0.8	0.6	1	<0.2	3.7	NA	NA	NA	NA	NA
Radium 228[a]	**	1.3	<0.9	<1.0	1.1	<1.0	6.3	NA	NA	NA	NA	NA

NOTES: All units are in mg/L unless otherwise specified
NA = Not Analyzed, NS = No Standard
***Bold** Text indicates NCAC 2L Standard exceedance.*
NC = No sample collected due to limited sample volume
[a] *Units are in pCi/L*

Table 3. Historical Results Metals and Inorganic Parameters

MW-8 (Continued)

Parameter	NCAC 2L	12/7/05	12/20/06
Arsenic	0.05	<0.005	0.027
Barium	2	0.28	1.4
Cadmium	0.00175	<0.001	**0.0036**
Chloride	250	NA	NA
Chromium	0.05	0.0058	0.028
Fluoride, Total	2	NA	NA
Iron	0.3	NA	NA
Lead	0.015	0.01	**0.079**
Manganese	0.05	NA	NA
Mercury	0.00105	<0.0002	<0.0002
Nickel	0.1	0.0052	0.026
Nitrogen, Nitrate	10	1.1	1.3
Phenol, Low Level	0.3	NA	NA
Selenium	0.05	<0.005	<0.005
Silver	0.0175	<0.002	<0.002
Sodium	NS	NA	NA
Sulfate	250	NA	NA
Total Organic Carbon	NS	2.6	ND
Total Organic Halides	NS	NA	NA
Gross Alpha[a]	15	NA	NA
Gross Beta[a]	NS	NA	NA
Radium 226[a]	**	NA	NA
Radium 228[a]	**	NA	NA

NOTES: All units are in mg/L unless otherwise specified
NA = Not Analyzed, NS = No Standard
***Bold** Text indicates NCAC 2L Standard exceedance.*
NC = No sample collected due to limited sample volume
[a] Units are in pCi/L

Table 3. Historical Results Metals and Inorganic Parameters

MW-9

Parameter	NCAC 2L	9/29/98	12/15/98	3/2/99	6/30/99	12/14/99	6/29/00	12/19/00	12/13/01	12/3/02	12/16/03	12/27/04
Arsenic	0.05	<0.0017	0.0096	<0.005	0.0056	<0.005	0.011	0.0098	<0.005	0.013	<0.005	<0.005
Barium	2	1.2	**6**	**2.5**	0.83	1.5	1.1	0.91	1.8	1.9	1.1	1.5
Cadmium	0.00175	<0.05	<0.1	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloride	250	2.6	4.3	1	<1.0	<5	<5	NA	NA	NA	NA	NA
Chromium	0.05	<0.05	<0.1	0.039	0.04	0.0094	0.022	0.016	0.017	0.036	0.0025	0.014
Fluoride, Total	2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	NA	NA	NA	NA	NA
Iron	0.3	**170**	**600**	**220**	**69**	**37**	**120**	NA	NA	NA	NA	NA
Lead	0.015	0.0095	**0.068**	**0.097**	**0.03**	**0.016**	**0.038**	**0.024**	**0.028**	**0.068**	0.014	**0.024**
Manganese	0.05	**5.9**	**20**	**8.4**	**2.7**	**1.3**	**3.5**	NA	NA	NA	NA	NA
Mercury	0.00105	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Nickel	0.1	IQR	IQR	IQR	IQR	IQR	IQR	IQR	IQR	IQR	IQR	0.011
Nitrogen, Nitrate	10	0.55	0.77	1.2	0.57	1.1	0.63	NA	NA	NA	NA	NA
Phenol, Low Level	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Silver	0.0175	<0.25	<0.5	<0.5	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Sodium	NS	5	7.4	5.5	5.2	5.1	4.9	NA	NA	NA	NA	NA
Sulfate	250	<5.0	<5.0	<5.0	<5.0	<5	<5	NA	NA	NA	NA	NA
Total Organic Carbon	NS	3	1.6	IQR	IQR	IQR	IQR	NA	NA	NA	NA	NA
Total Organic Halides	NS	0.004	<0.03	IQR	IQR	IQR	IQR	NA	NA	NA	NA	NA
Gross Alpha[a]	15	11.4	**21.7**	14	12	**16.3**	11	NA	NA	NA	NA	NA
Gross Beta[a]	NS	8	17	11.8	9.5	12.8	9.3	NA	NA	NA	NA	NA
Radium 226[a]	**	1.1	4	2.1	3.4	2.3	2	NA	NA	NA	NA	NA
Radium 228[a]	**	2.3	3.1	2	2.9	3.2	2.5	NA	NA	NA	NA	NA

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
***Bold** Text indicates NCAC 2L Standard exceedance.*
NC = No sample collected due to limited sample volume
[a] *Units are in pCi/L*

Table 3. Historical Results Metals and Inorganic Parameters

MW-9 (Continued)

Parameter	NCAC 2L	12/7/05	12/20/06
Arsenic	0.05	<0.005	0.0095
Barium	2	0.7	1.2
Cadmium	0.00175	<0.001	**0.086**
Chloride	250	NA	NA
Chromium	0.05	0.0064	0.03
Fluoride, Total	2	NA	NA
Iron	0.3	NA	NA
Lead	0.015	0.012	**0.053**
Manganese	0.05	NA	NA
Mercury	0.00105	<0.0002	<0.0002
Nickel	0.1	<0.005	0.011
Nitrogen, Nitrate	10	NA	NA
Phenol, Low Level	0.3	NA	NA
Selenium	0.05	<0.005	<0.005
Silver	0.0175	<0.002	<0.002
Sodium	NS	NA	NA
Sulfate	250	NA	NA
Total Organic Carbon	NS	NA	NA
Total Organic Halides	NS	NA	NA
Gross Alpha[a]	15	NA	NA
Gross Beta[a]	NS	NA	NA
Radium 226[a]	**	NA	NA
Radium 228[a]	**	NA	NA

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
***Bold** Text indicates NCAC 2L Standard exceedance.*
NC = No sample collected due to limited sample volume
IQR = Data Included in Quarterly Report - Table 4
[a] *Units are in pCi/L*

Ground Water Monitoring Program Data

WATERS EDGE ENVIRONMENTAL, LLC

Project Name: City of Statesville Crk

Sheet 1 of 1

Job No: R4-01

Date(s): 12-19-06

Sampler(s) Signature: [illegible]

Remarks:

Well I.D.	MW-2	MW-3	MW-4	MW-5	MW-6	[redacted]	MW-8	MW-9	MW-7	
Well Casing Inside Diameter (in.)	2"	2"	2"	2"	2"	[redacted]	2"	2"	2"	
Total Well Depth (ft.)	53'	36'	36'	39'	42'	[redacted]	54'	43'	46'	
Depth To Water (ft.)	37.25	21.52'	21.08'	39.33'	42.15'		47.15'	38.38'	[redacted]	39.74'
Water Column (Total Depth - DTW)	15.75	14.48'	8.92'				6.85'	4.62'	[redacted]	6.26'
Well Volume (gal.) (* see below)	2.52gal.	2.3gal.	1.4gal.	D	D		1.1gal.	0.74gal.	[redacted]	1.0gal.
Purge Volume (3 to 5 well volumes)	7.56gal.	7.0gal.	4.3gal.				3.3gal.	2.2gal.	[redacted]	3.0gal.
Bailer I.D. / Pump I.D.	Bailer	Bailer	Bailer	R	R		Bailer	Bailer	Bailer	
Volume Purged (purged to dryness?)	7.5gal	7gal.	4gal.	Y	Y		3.5gal.	2.5gal	3gal.	
Ground Water Sampling Data										
Sample I.D.	MW-2	MW-3	MW-4				MW-8	MW-9	MW-7	
Date	12-19-06	12-19-06	12-19-06				12-19-06	12-19-06	12-19-06	
Time	1245	1200	1100	A	N		1330	1430	1530	
Parameters	6230 TOC	6230 TOC	6230 TOC				[redacted]	8260 BTEX	8260 BTEX	
	TOC, 8260	TOC, 8260	TOC, 8260	O	O		[redacted]	8260 Alk	8260 Alk	
	Alk, Nitrate	Alk, Nitrate	Alk, Nitrate				6230 TOC TDS			
	Nitr, 9270						8260 Nitr			
pH 1st Volume	5.73	6.39	5.67	S	S		6.42	6.67	6.43	
2nd Volume	5.69	6.13	5.73				6.38	6.61	6.40	
3rd Volume	5.62	5.97	5.74				6.34	6.59	6.38	
Conductivity 1st Volume	77.4	191.6	77.8	A	A		155.8	101.9	159.9	
(µS) 2nd Volume	75.6	189.5	75.9				149.7	103.1	155.4	
3rd Volume	73.3	183.3	69.3	M	M		144.3	100.8	148.3	
Temperature 1st Volume	17.2°	17.3°	17.1°	P	P		17.1°	17.3°	17.4°	
(°C) 2nd Volume	17.1°	17.1°	16.8°				17.0°	17.1°	17.2°	
3rd Volume	17.1°	17.1°	16.9°				16.9°	17.1°	17.1°	
Other:				L	L					
				E	F					

Notes:

* Volumes per foot of water column: 2" well = 0.17 gal/ft 4" well = 0.65 gal/ft 6" well = 1.5 gal/ft

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Pace Analytical Services, Inc.
370 West Meadow Road
Eden, NC 27288
Phone: 336.623.8921
Fax: 336.623.5878

January 03, 2007

Mr. Phil Rahn
Waters Edge Environmental
4901 Water's Edge Drive
Suite 201
Raleigh, NC 27606

RE: Lab Project Number: 92134506
Client Project ID: R4-01 City Of Statesville 3rd

Dear Mr. Rahn:

Enclosed are the analytical results for sample(s) received by the laboratory on December 20, 2006. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals Analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Charlotte laboratory unless otherwise footnoted.

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

Sincerely,

Kyle Pickard
for

Tammie Easter
tammie.easter@pacelabs.com
(336) 623-8921
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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Asheville Certification IDs	
NC Wastewater	40
NC Drinking Water	37712
SC Environmental	99030

Burlington Certification IDs	
NC Drinking Water	37743
NC Wastewater	85
VA Drinking Water	00018

Eden Certification IDs	
NC Drinking Water	37738
VA Drinking Water	00424

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

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Eden, NC 27288
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Fax: 336.623.5878

Lab Project Number: 92134506
Client Project ID: R4-01 City Of Statesville 3rd

Lab Sample No: 927815993 | Project Sample Number: 92134506-001 | Date Collected: 12/19/06 12:45
Client Sample ID: MW-2 | Matrix: Water | Date Received: 12/20/06 09:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Metals								
Trace ICP Metals	Prep/Method: EPA 200.7 / EPA 200.7							
Arsenic	ND	mg/l	0.00500	12/26/06 18:10	EWS	7440-38-2		
Barium	0.49	mg/l	0.00500	12/26/06 18:10	EWS	7440-39-3		
Cadmium	ND	mg/l	0.00100	12/26/06 18:10	EWS	7440-43-9		
Chromium	ND	mg/l	0.00500	12/26/06 18:10	EWS	7440-47-3		
Lead	ND	mg/l	0.00500	12/26/06 18:10	EWS	7439-92-1		
Nickel	ND	mg/l	0.00500	12/26/06 18:10	EWS	7440-02-0		
Selenium	ND	mg/l	0.01000	12/26/06 18:10	EWS	7782-49-2		
Silver	ND	mg/l	0.00500	12/26/06 18:10	EWS	7440-22-4		
Date Digested	12/22/06 16:15			12/22/06 16:15				
Mercury, CVAAS, in Water	Method: EPA 245.1							
Mercury	ND	mg/l	0.00020	12/27/06 13:45	ALV	7439-97-6		
Wet Chemistry								
Total Dissolved Solids	Method: EPA 160.1							
Total Dissolved Solids	68.	mg/l	20.	12/22/06 14:35	JMW			
28 day NOX	Method: EPA 353.2							
Nitrate-Nitrite (as N)	5.1	mg/l	0.10	12/26/06 13:25	JDA1	7727-37-9		
Total Organic Carbon	Method: SM 5310B							
Total Organic Carbon	ND	mg/l	1.0	12/26/06 12:57	JDA1	7440-44-0		
GC/MS Semivolatiles								
Semivolatile Organics	Prep/Method: EPA 3510 / EPA 8270							
Acenaphthene	ND	mg/l	0.01000	12/28/06 00:30	BET	83-32-9		
Acenaphthylene	ND	mg/l	0.01000	12/28/06 00:30	BET	208-96-8		
Aniline	ND	mg/l	0.01000	12/28/06 00:30	BET	62-53-3		
Anthracene	ND	mg/l	0.01000	12/28/06 00:30	BET	120-12-7		
Benzo(k)fluoranthene	ND	mg/l	0.01000	12/28/06 00:30	BET	207-08-9		
Benzo(b)fluoranthene	ND	mg/l	0.01000	12/28/06 00:30	BET	205-99-2		
Benzo(a)anthracene	ND	mg/l	0.01000	12/28/06 00:30	BET	56-55-3		
Benzoic acid	ND	mg/l	0.05000	12/28/06 00:30	BET	65-85-0		
Benzo(g,h,i)perylene	ND	mg/l	0.01000	12/28/06 00:30	BET	191-24-2		
Benzyl alcohol	ND	mg/l	0.02000	12/28/06 00:30	BET	100-51-6		
Benzo(a)pyrene	ND	mg/l	0.01000	12/28/06 00:30	BET	50-32-8		
4-Bromophenylphenyl ether	ND	mg/l	0.01000	12/28/06 00:30	BET	101-55-3		

REPORT OF LABORATORY ANALYSIS

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Asheville Certification IDs		Burlington Certification IDs		Eden Certification IDs		Charlotte Certification IDs	
NC Wastewater	40	NC Drinking Water	37743	NC Drinking Water	37738	NC Wastewater	12
NC Drinking Water	37712	NC Wastewater	85	VA Drinking Water	00424	NC Drinking Water	37706
SC Environmental	99030	VA Drinking Water	00018			SC	99006

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Eden, NC 27288
Phone: 336.623.8921
Fax: 336.623.5878

Lab Project Number: 92134506
Client Project ID: R4-01 City Of Statesville 3rd

Lab Sample No: 927815993 | Project Sample Number: 92134506-001 | Date Collected: 12/19/06 12:45
Client Sample ID: MW-2 | Matrix: Water | Date Received: 12/20/06 09:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Metals								
Trace ICP Metals	Prep/Method: EPA 200.7 / EPA 200.7							
Arsenic	ND	mg/l	0.00500	12/26/06 18:10	EWS	7440-38-2		
Barium	0.49	mg/l	0.00500	12/26/06 18:10	EWS	7440-39-3		
Cadmium	ND	mg/l	0.00100	12/26/06 18:10	EWS	7440-43-9		
Chromium	ND	mg/l	0.00500	12/26/06 18:10	EWS	7440-47-3		
Lead	ND	mg/l	0.00500	12/26/06 18:10	EWS	7439-92-1		
Nickel	ND	mg/l	0.00500	12/26/06 18:10	EWS	7440-02-0		
Selenium	ND	mg/l	0.01000	12/26/06 18:10	EWS	7782-49-2		
Silver	ND	mg/l	0.00500	12/26/06 18:10	EWS	7440-22-4		
Date Digested	12/22/06 16:15			12/22/06 16:15				
Mercury, CVAAS, in Water	Method: EPA 245.1							
Mercury	ND	mg/l	0.00020	12/27/06 13:45	ALV	7439-97-6		
Wet Chemistry								
Total Dissolved Solids	Method: EPA 160.1							
Total Dissolved Solids	68.	mg/l	20.	12/22/06 14:35	JMW			
28 day NOX	Method: EPA 353.2							
Nitrate-Nitrite (as N)	5.1	mg/l	0.10	12/26/06 13:25	JDA1	7727-37-9		
Total Organic Carbon	Method: SM 5310B							
Total Organic Carbon	ND	mg/l	1.0	12/26/06 12:57	JDA1	7440-44-0		
GC/MS Semivolatiles								
Semivolatile Organics	Prep/Method: EPA 3510 / EPA 8270							
Acenaphthene	ND	mg/l	0.01000	12/28/06 00:30	BET	83-32-9		
Acenaphthylene	ND	mg/l	0.01000	12/28/06 00:30	BET	208-96-8		
Aniline	ND	mg/l	0.01000	12/28/06 00:30	BET	62-53-3		
Anthracene	ND	mg/l	0.01000	12/28/06 00:30	BET	120-12-7		
Benzo(k)fluoranthene	ND	mg/l	0.01000	12/28/06 00:30	BET	207-08-9		
Benzo(b)fluoranthene	ND	mg/l	0.01000	12/28/06 00:30	BET	205-99-2		
Benzo(a)anthracene	ND	mg/l	0.01000	12/28/06 00:30	BET	56-55-3		
Benzoic acid	ND	mg/l	0.05000	12/28/06 00:30	BET	65-85-0		
Benzo(g,h,i)perylene	ND	mg/l	0.01000	12/28/06 00:30	BET	191-24-2		
Benzyl alcohol	ND	mg/l	0.02000	12/28/06 00:30	BET	100-51-6		
Benzo(a)pyrene	ND	mg/l	0.01000	12/28/06 00:30	BET	50-32-8		
4-Bromophenylphenyl ether	ND	mg/l	0.01000	12/28/06 00:30	BET	101-55-3		

REPORT OF LABORATORY ANALYSIS

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Asheville Certification IDs		Burlington Certification IDs		Eden Certification IDs		Charlotte Certification IDs	
NC Wastewater	40	NC Drinking Water	37743	NC Drinking Water	37738	NC Wastewater	12
NC Drinking Water	37712	NC Wastewater	85	VA Drinking Water	00424	NC Drinking Water	37706
SC Environmental	99030	VA Drinking Water	00018			SC	99006

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Phone: 336.623.8921
Fax: 336.623.5878

Lab Project Number: 92134506
Client Project ID: R4-01 City Of Statesville 3rd

Lab Sample No: 927815993 | Project Sample Number: 92134506-001 | Date Collected: 12/19/06 12:45
Client Sample ID: MW-2 | Matrix: Water | Date Received: 12/20/06 09:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Butylbenzylphthalate	ND	mg/l	0.01000	12/28/06 00:30	BET	85-68-7		
4-Chloro-3-methylphenol	ND	mg/l	0.02000	12/28/06 00:30	BET	59-50-7		
4-Chloroaniline	ND	mg/l	0.02000	12/28/06 00:30	BET	106-47-8		
bis(2-Chloroethoxy)methane	ND	mg/l	0.01000	12/28/06 00:30	BET	111-91-1		
bis(2-Chloroethyl) ether	ND	mg/l	0.01000	12/28/06 00:30	BET	111-44-4		
bis(2-Chloroisopropyl) ether	ND	mg/l	0.01000	12/28/06 00:30	BET	39638-32-9		
2-Chloronaphthalene	ND	mg/l	0.01000	12/28/06 00:30	BET	91-58-7		
2-Chlorophenol	ND	mg/l	0.01000	12/28/06 00:30	BET	95-57-8		
4-Chlorophenylphenyl ether	ND	mg/l	0.01000	12/28/06 00:30	BET	7005-72-3		
Chrysene	ND	mg/l	0.01000	12/28/06 00:30	BET	218-01-9		
Dibenz(a,h)anthracene	ND	mg/l	0.01000	12/28/06 00:30	BET	53-70-3		
Dibenzofuran	ND	mg/l	0.01000	12/28/06 00:30	BET	132-64-9		
1,2-Dichlorobenzene	ND	mg/l	0.01000	12/28/06 00:30	BET	95-50-1		
1,3-Dichlorobenzene	ND	mg/l	0.01000	12/28/06 00:30	BET	541-73-1		
1,4-Dichlorobenzene	ND	mg/l	0.01000	12/28/06 00:30	BET	106-46-7		
3,3'-Dichlorobenzidine	ND	mg/l	0.02000	12/28/06 00:30	BET	91-94-1		
2,4-Dichlorophenol	ND	mg/l	0.01000	12/28/06 00:30	BET	120-83-2		
Diethylphthalate	ND	mg/l	0.01000	12/28/06 00:30	BET	84-66-2		
2,4-Dimethylphenol	ND	mg/l	0.01000	12/28/06 00:30	BET	105-67-9		
Dimethylphthalate	ND	mg/l	0.01000	12/28/06 00:30	BET	131-11-3		
Di-n-butylphthalate	ND	mg/l	0.01000	12/28/06 00:30	BET	84-74-2		
4,6-Dinitro-2-methylphenol	ND	mg/l	0.05000	12/28/06 00:30	BET	534-52-1		
2,4-Dinitrophenol	ND	mg/l	0.05000	12/28/06 00:30	BET	51-28-5		
2,4-Dinitrotoluene	ND	mg/l	0.01000	12/28/06 00:30	BET	121-14-2		
2,6-Dinitrotoluene	ND	mg/l	0.01000	12/28/06 00:30	BET	606-20-2		
Di-n-octylphthalate	ND	mg/l	0.01000	12/28/06 00:30	BET	117-84-0		
1,2-Diphenylhydrazine	ND	mg/l	0.02000	12/28/06 00:30	BET	122-66-7		
bis(2-Ethylhexyl)phthalate	ND	mg/l	0.01000	12/28/06 00:30	BET	117-81-7		
Fluoranthene	ND	mg/l	0.01000	12/28/06 00:30	BET	206-44-0		
Fluorene	ND	mg/l	0.01000	12/28/06 00:30	BET	86-73-7		
Hexachloro-1,3-butadiene	ND	mg/l	0.01000	12/28/06 00:30	BET	87-68-3		
Hexachlorobenzene	ND	mg/l	0.01000	12/28/06 00:30	BET	118-74-1		
Hexachlorocyclopentadiene	ND	mg/l	0.01000	12/28/06 00:30	BET	77-47-4		
Hexachloroethane	ND	mg/l	0.01000	12/28/06 00:30	BET	67-72-1		
Indeno(1,2,3-cd)pyrene	ND	mg/l	0.01000	12/28/06 00:30	BET	193-39-5		
Isophorone	ND	mg/l	0.01000	12/28/06 00:30	BET	78-59-1		
1-Methylnaphthalene	ND	mg/l	0.01000	12/28/06 00:30	BET	90-12-0		
2-Methylnaphthalene	ND	mg/l	0.01000	12/28/06 00:30	BET	91-57-6		
2-Methylphenol (o-Cresol)	ND	mg/l	0.01000	12/28/06 00:30	BET	95-48-7		

REPORT OF LABORATORY ANALYSIS

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NC Drinking Water	37712	NC Wastewater	85	VA Drinking Water	00424	NC Drinking Water	37706
SC Environmental	99030	VA Drinking Water	00018			SC	99006

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Phone: 336.623.8921
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Lab Project Number: 92134506
Client Project ID: R4-01 City Of Statesville 3rd

Lab Sample No: 927815993
Client Sample ID: MW-2

Project Sample Number: 92134506-001
Matrix: Water

Date Collected: 12/19/06 12:45
Date Received: 12/20/06 09:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
3&4-Methylphenol	ND	mg/l	0.01000	12/28/06 00:30	BET			
Naphthalene	ND	mg/l	0.01000	12/28/06 00:30	BET	91-20-3		
2-Nitroaniline	ND	mg/l	0.05000	12/28/06 00:30	BET	88-74-4		
3-Nitroaniline	ND	mg/l	0.05000	12/28/06 00:30	BET	99-09-2		
4-Nitroaniline	ND	mg/l	0.05000	12/28/06 00:30	BET	100-01-6		
Nitrobenzene	ND	mg/l	0.01000	12/28/06 00:30	BET	98-95-3		
2-Nitrophenol	ND	mg/l	0.01000	12/28/06 00:30	BET	88-75-5		
4-Nitrophenol	ND	mg/l	0.05000	12/28/06 00:30	BET	100-02-7		
N-Nitrosodimethylamine	ND	mg/l	0.01000	12/28/06 00:30	BET	62-75-9		
N-Nitroso-di-n-propylamine	ND	mg/l	0.01000	12/28/06 00:30	BET	621-64-7		
N-Nitrosodiphenylamine	ND	mg/l	0.01000	12/28/06 00:30	BET	86-30-6		
Pentachlorophenol	ND	mg/l	0.05000	12/28/06 00:30	BET	87-86-5		
Phenanthrene	ND	mg/l	0.01000	12/28/06 00:30	BET	85-01-8		
Phenol	ND	mg/l	0.01000	12/28/06 00:30	BET	108-95-2		
Pyrene	ND	mg/l	0.01000	12/28/06 00:30	BET	129-00-0		
1,2,4-Trichlorobenzene	ND	mg/l	0.01000	12/28/06 00:30	BET	120-82-1		
2,4,5-Trichlorophenol	ND	mg/l	0.05000	12/28/06 00:30	BET	95-95-4		
2,4,6-Trichlorophenol	ND	mg/l	0.01000	12/28/06 00:30	BET	88-06-2		
Nitrobenzene-d5 (S)	48	%		12/28/06 00:30	BET	4165-60-0		
2-Fluorobiphenyl (S)	54	%		12/28/06 00:30	BET	321-60-8		
Terphenyl-d14 (S)	53	%		12/28/06 00:30	BET	1718-51-0		
Phenol-d5 (S)	20	%		12/28/06 00:30	BET	4165-62-2		
2-Fluorophenol (S)	40	%		12/28/06 00:30	BET	367-12-4		
2,4,6-Tribromophenol (S)	58	%		12/28/06 00:30	BET	118-79-6		
Date Extracted	12/21/06			12/21/06				

GC Volatiles

GC VOCs in Water	Method: SM 6230D							
Benzene	ND	mg/l	0.00050	12/28/06 19:18	PPM	71-43-2		
Bromobenzene	ND	mg/l	0.00050	12/28/06 19:18	PPM	108-86-1		
Bromochloromethane	ND	mg/l	0.00050	12/28/06 19:18	PPM	74-97-5		
Bromodichloromethane	ND	mg/l	0.00050	12/28/06 19:18	PPM	75-27-4		
Bromoform	ND	mg/l	0.00050	12/28/06 19:18	PPM	75-25-2		
Bromomethane	ND	mg/l	0.00050	12/28/06 19:18	PPM	74-83-9		
n-Butylbenzene	ND	mg/l	0.0010	12/28/06 19:18	PPM	104-51-8		
sec-Butylbenzene	ND	mg/l	0.00050	12/28/06 19:18	PPM	135-98-8		
tert-Butylbenzene	ND	mg/l	0.00050	12/28/06 19:18	PPM	98-06-6		
Carbon tetrachloride	ND	mg/l	0.00050	12/28/06 19:18	PPM	56-23-5		
Chlorobenzene	ND	mg/l	0.00050	12/28/06 19:18	PPM	108-90-7		

REPORT OF LABORATORY ANALYSIS

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NC Wastewater	40
NC Drinking Water	37712
SC Environmental	99030

Burlington Certification IDs	
NC Drinking Water	37743
NC Wastewater	85
VA Drinking Water	00018

Eden Certification IDs	
NC Drinking Water	37738
VA Drinking Water	00424

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

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Lab Project Number: 92134506
Client Project ID: R4-01 City Of Statesville 3rd

Lab Sample No: 927815993 | Project Sample Number: 92134506-001 | Date Collected: 12/19/06 12:45
Client Sample ID: MW-2 | Matrix: Water | Date Received: 12/20/06 09:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Chloroethane	ND	mg/l	0.00050	12/28/06 19:18	PPM	75-00-3		
Chloroform	ND	mg/l	0.00050	12/28/06 19:18	PPM	67-66-3		
Chloromethane	ND	mg/l	0.0020	12/28/06 19:18	PPM	74-87-3		
2-Chlorotoluene	ND	mg/l	0.00050	12/28/06 19:18	PPM	95-49-8		
4-Chlorotoluene	ND	mg/l	0.00050	12/28/06 19:18	PPM	106-43-4		
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0020	12/28/06 19:18	PPM	96-12-8		
Dibromochloromethane	ND	mg/l	0.00050	12/28/06 19:18	PPM	124-48-1		
1,2-Dibromoethane (EDB)	ND	mg/l	0.00050	12/28/06 19:18	PPM	106-93-4		
Dibromomethane	ND	mg/l	0.00050	12/28/06 19:18	PPM	74-95-3		
1,2-Dichlorobenzene	ND	mg/l	0.0010	12/28/06 19:18	PPM	95-50-1		
1,3-Dichlorobenzene	ND	mg/l	0.0010	12/28/06 19:18	PPM	541-73-1		
1,4-Dichlorobenzene	ND	mg/l	0.0010	12/28/06 19:18	PPM	106-46-7		
Dichlorodifluoromethane	ND	mg/l	0.00050	12/28/06 19:18	PPM	75-71-8		
1,1-Dichloroethane	ND	mg/l	0.00050	12/28/06 19:18	PPM	75-34-3		
1,2-Dichloroethane	ND	mg/l	0.00050	12/28/06 19:18	PPM	107-06-2		
1,1-Dichloroethene	ND	mg/l	0.00050	12/28/06 19:18	PPM	75-35-4		
cis-1,2-Dichloroethene	ND	mg/l	0.00050	12/28/06 19:18	PPM	156-59-2		
trans-1,2-Dichloroethene	ND	mg/l	0.00050	12/28/06 19:18	PPM	156-60-5		
1,2-Dichloropropane	ND	mg/l	0.00050	12/28/06 19:18	PPM	78-87-5		
1,3-Dichloropropane	ND	mg/l	0.00050	12/28/06 19:18	PPM	142-28-9		
2,2-Dichloropropane	ND	mg/l	0.00050	12/28/06 19:18	PPM	594-20-7		
1,1-Dichloropropene	ND	mg/l	0.00050	12/28/06 19:18	PPM	563-58-6		
cis-1,3-Dichloropropene	ND	mg/l	0.00050	12/28/06 19:18	PPM	10061-01-5		
trans-1,3-Dichloropropene	ND	mg/l	0.00050	12/28/06 19:18	PPM	10061-02-6		
Diisopropyl ether	ND	mg/l	0.00050	12/28/06 19:18	PPM	108-20-3		
Ethylbenzene	ND	mg/l	0.00050	12/28/06 19:18	PPM	100-41-4		
Hexachloro-1,3-butadiene	ND	mg/l	0.0020	12/28/06 19:18	PPM	87-68-3		
Isopropylbenzene (Cumene)	ND	mg/l	0.00050	12/28/06 19:18	PPM	98-82-8		
p-Isopropyltoluene	ND	mg/l	0.0010	12/28/06 19:18	PPM	99-87-6		
Methylene chloride	ND	mg/l	0.0020	12/28/06 19:18	PPM	75-09-2		
Methyl-tert-butyl ether	ND	mg/l	0.00050	12/28/06 19:18	PPM	1634-04-4		
Naphthalene	ND	mg/l	0.0020	12/28/06 19:18	PPM	91-20-3		
n-Propylbenzene	ND	mg/l	0.00050	12/28/06 19:18	PPM	103-65-1		
Styrene	ND	mg/l	0.00050	12/28/06 19:18	PPM	100-42-5		
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00050	12/28/06 19:18	PPM	630-20-6		
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00050	12/28/06 19:18	PPM	79-34-5		
Tetrachloroethene	ND	mg/l	0.00050	12/28/06 19:18	PPM	127-18-4		
Toluene	ND	mg/l	0.00050	12/28/06 19:18	PPM	108-88-3		
1,2,3-Trichlorobenzene	ND	mg/l	0.0020	12/28/06 19:18	PPM	87-61-6		

REPORT OF LABORATORY ANALYSIS

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NC Drinking Water	37712	NC Wastewater	85	VA Drinking Water	00424	NC Drinking Water	37706
SC Environmental	99030	VA Drinking Water	00018			SC	99006

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Lab Project Number: 92134506
Client Project ID: R4-01 City Of Statesville 3rd

Lab Sample No: 927815993 | Project Sample Number: 92134506-001 | Date Collected: 12/19/06 12:45
Client Sample ID: MW-2 | Matrix: Water | Date Received: 12/20/06 09:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
1,2,4-Trichlorobenzene	ND	mg/l	0.0020	12/28/06 19:18	PPM	120-82-1		
1,1,1-Trichloroethane	ND	mg/l	0.00050	12/28/06 19:18	PPM	71-55-6		
1,1,2-Trichloroethane	ND	mg/l	0.00050	12/28/06 19:18	PPM	79-00-5		
Trichloroethene	ND	mg/l	0.00050	12/28/06 19:18	PPM	79-01-6		
Trichlorofluoromethane	ND	mg/l	0.00050	12/28/06 19:18	PPM	75-69-4		
1,2,3-Trichloropropane	ND	mg/l	0.00050	12/28/06 19:18	PPM	96-18-4		
1,2,4-Trimethylbenzene	ND	mg/l	0.00050	12/28/06 19:18	PPM	95-63-6		
1,3,5-Trimethylbenzene	ND	mg/l	0.00050	12/28/06 19:18	PPM	108-67-8		
Vinyl chloride	ND	mg/l	0.00050	12/28/06 19:18	PPM	75-01-4		
m&p-Xylene	ND	mg/l	0.00050	12/28/06 19:18	PPM			
o-Xylene	ND	mg/l	0.00050	12/28/06 19:18	PPM	95-47-6		
1-Chloro-3-fluorobenzene (S)	119	%		12/28/06 19:18	PPM	625-98-9		

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NC Drinking Water	37712	NC Wastewater	85	VA Drinking Water	00424	NC Drinking Water	37706
SC Environmental	99030	VA Drinking Water	00018			SC	99006

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Lab Project Number: 92134506
Client Project ID: R4-01 City Of Statesville 3rd

Lab Sample No: 927816009 | Project Sample Number: 92134506-002 | Date Collected: 12/19/06 12:00
Client Sample ID: MW-3 | Matrix: Water | Date Received: 12/20/06 09:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Metals								
Trace ICP Metals	Prep/Method: EPA 200.7 / EPA 200.7							
Arsenic	ND	mg/l	0.00500	12/26/06 18:14	EWS	7440-38-2		
Barium	0.16	mg/l	0.00500	12/26/06 18:14	EWS	7440-39-3		
Cadmium	ND	mg/l	0.00100	12/26/06 18:14	EWS	7440-43-9		
Chromium	ND	mg/l	0.00500	12/26/06 18:14	EWS	7440-47-3		
Lead	ND	mg/l	0.00500	12/26/06 18:14	EWS	7439-92-1		
Nickel	ND	mg/l	0.00500	12/26/06 18:14	EWS	7440-02-0		
Selenium	ND	mg/l	0.01000	12/26/06 18:14	EWS	7782-49-2		
Silver	ND	mg/l	0.00500	12/26/06 18:14	EWS	7440-22-4		
Date Digested	12/22/06 16:15			12/22/06 16:15				
Mercury, CVAAS, in Water	Method: EPA 245.1							
Mercury	ND	mg/l	0.00020	12/27/06 13:48	ALV	7439-97-6		
Wet Chemistry								
Total Dissolved Solids	Method: EPA 160.1							
Total Dissolved Solids	110	mg/l	20.	12/22/06 14:37	JMW			
28 day NOX	Method: EPA 353.2							
Nitrate-Nitrite (as N)	4.2	mg/l	0.10	12/26/06 13:25	JDA1	7727-37-9		
Total Organic Carbon	Method: SM 5310B							
Total Organic Carbon	ND	mg/l	1.0	12/26/06 12:57	JDA1	7440-44-0		
GC Volatiles								
GC VOCs in Water	Method: SM 6230D							
Benzene	ND	mg/l	0.00050	12/28/06 19:59	PPM	71-43-2		
Bromobenzene	ND	mg/l	0.00050	12/28/06 19:59	PPM	108-86-1		
Bromochloromethane	ND	mg/l	0.00050	12/28/06 19:59	PPM	74-97-5		
Bromodichloromethane	ND	mg/l	0.00050	12/28/06 19:59	PPM	75-27-4		
Bromoform	ND	mg/l	0.00050	12/28/06 19:59	PPM	75-25-2		
Bromomethane	ND	mg/l	0.00050	12/28/06 19:59	PPM	74-83-9		
n-Butylbenzene	ND	mg/l	0.0010	12/28/06 19:59	PPM	104-51-8		
sec-Butylbenzene	ND	mg/l	0.00050	12/28/06 19:59	PPM	135-98-8		
tert-Butylbenzene	ND	mg/l	0.00050	12/28/06 19:59	PPM	98-06-6		
Carbon tetrachloride	ND	mg/l	0.00050	12/28/06 19:59	PPM	56-23-5		
Chlorobenzene	ND	mg/l	0.00050	12/28/06 19:59	PPM	108-90-7		
Chloroethane	ND	mg/l	0.00050	12/28/06 19:59	PPM	75-00-3		

REPORT OF LABORATORY ANALYSIS

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Asheville Certification IDs	
NC Wastewater	40
NC Drinking Water	37712
SC Environmental	99030

Burlington Certification IDs	
NC Drinking Water	37743
NC Wastewater	85
VA Drinking Water	00018

Eden Certification IDs	
NC Drinking Water	37738
VA Drinking Water	00424

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

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Fax: 336.623.5878

Lab Project Number: 92134506
Client Project ID: R4-01 City Of Statesville 3rd

Lab Sample No: 927816009 | Project Sample Number: 92134506-002 | Date Collected: 12/19/06 12:00
Client Sample ID: MW-3 | Matrix: Water | Date Received: 12/20/06 09:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Chloroform	ND	mg/l	0.00050	12/28/06 19:59	PPM	67-66-3		
Chloromethane	ND	mg/l	0.0020	12/28/06 19:59	PPM	74-87-3		
2-Chlorotoluene	ND	mg/l	0.00050	12/28/06 19:59	PPM	95-49-8		
4-Chlorotoluene	ND	mg/l	0.00050	12/28/06 19:59	PPM	106-43-4		
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0020	12/28/06 19:59	PPM	96-12-8		
Dibromochloromethane	ND	mg/l	0.00050	12/28/06 19:59	PPM	124-48-1		
1,2-Dibromoethane (EDB)	ND	mg/l	0.00050	12/28/06 19:59	PPM	106-93-4		
Dibromomethane	ND	mg/l	0.00050	12/28/06 19:59	PPM	74-95-3		
1,2-Dichlorobenzene	ND	mg/l	0.0010	12/28/06 19:59	PPM	95-50-1		
1,3-Dichlorobenzene	ND	mg/l	0.0010	12/28/06 19:59	PPM	541-73-1		
1,4-Dichlorobenzene	ND	mg/l	0.0010	12/28/06 19:59	PPM	106-46-7		
Dichlorodifluoromethane	ND	mg/l	0.00050	12/28/06 19:59	PPM	75-71-8		
1,1-Dichloroethane	ND	mg/l	0.00050	12/28/06 19:59	PPM	75-34-3		
1,2-Dichloroethane	ND	mg/l	0.00050	12/28/06 19:59	PPM	107-06-2		
1,1-Dichloroethene	ND	mg/l	0.00050	12/28/06 19:59	PPM	75-35-4		
cis-1,2-Dichloroethene	ND	mg/l	0.00050	12/28/06 19:59	PPM	156-59-2		
trans-1,2-Dichloroethene	ND	mg/l	0.00050	12/28/06 19:59	PPM	156-60-5		
1,2-Dichloropropane	ND	mg/l	0.00050	12/28/06 19:59	PPM	78-87-5		
1,3-Dichloropropane	ND	mg/l	0.00050	12/28/06 19:59	PPM	142-28-9		
2,2-Dichloropropane	ND	mg/l	0.00050	12/28/06 19:59	PPM	594-20-7		
1,1-Dichloropropene	ND	mg/l	0.00050	12/28/06 19:59	PPM	563-58-6		
cis-1,3-Dichloropropene	ND	mg/l	0.00050	12/28/06 19:59	PPM	10061-01-5		
trans-1,3-Dichloropropene	ND	mg/l	0.00050	12/28/06 19:59	PPM	10061-02-6		
Diisopropyl ether	ND	mg/l	0.00050	12/28/06 19:59	PPM	108-20-3		
Ethylbenzene	ND	mg/l	0.00050	12/28/06 19:59	PPM	100-41-4		
Hexachloro-1,3-butadiene	ND	mg/l	0.0020	12/28/06 19:59	PPM	87-68-3		
Isopropylbenzene (Cumene)	ND	mg/l	0.00050	12/28/06 19:59	PPM	98-82-8		
p-Isopropyltoluene	ND	mg/l	0.0010	12/28/06 19:59	PPM	99-87-6		
Methylene chloride	ND	mg/l	0.0020	12/28/06 19:59	PPM	75-09-2		
Methyl-tert-butyl ether	ND	mg/l	0.00050	12/28/06 19:59	PPM	1634-04-4		
Naphthalene	ND	mg/l	0.0020	12/28/06 19:59	PPM	91-20-3		
n-Propylbenzene	ND	mg/l	0.00050	12/28/06 19:59	PPM	103-65-1		
Styrene	ND	mg/l	0.00050	12/28/06 19:59	PPM	100-42-5		
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00050	12/28/06 19:59	PPM	630-20-6		
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00050	12/28/06 19:59	PPM	79-34-5		
Tetrachloroethene	ND	mg/l	0.00050	12/28/06 19:59	PPM	127-18-4		
Toluene	ND	mg/l	0.00050	12/28/06 19:59	PPM	108-88-3		
1,2,3-Trichlorobenzene	ND	mg/l	0.0020	12/28/06 19:59	PPM	87-61-6		
1,2,4-Trichlorobenzene	ND	mg/l	0.0020	12/28/06 19:59	PPM	120-82-1		

REPORT OF LABORATORY ANALYSIS

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Asheville Certification IDs		Burlington Certification IDs		Eden Certification IDs		Charlotte Certification IDs	
NC Wastewater	40	NC Drinking Water	37743	NC Drinking Water	37738	NC Wastewater	12
NC Drinking Water	37712	NC Wastewater	85	VA Drinking Water	00424	NC Drinking Water	37706
SC Environmental	99030	VA Drinking Water	00018			SC	99006

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Fax: 336.623.5878

Lab Project Number: 92134506
Client Project ID: R4-01 City Of Statesville 3rd

Lab Sample No: 927816009 | Project Sample Number: 92134506-002 | Date Collected: 12/19/06 12:00
Client Sample ID: MW-3 | Matrix: Water | Date Received: 12/20/06 09:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
1,1,1-Trichloroethane	ND	mg/l	0.00050	12/28/06 19:59	PPM	71-55-6		
1,1,2-Trichloroethane	ND	mg/l	0.00050	12/28/06 19:59	PPM	79-00-5		
Trichloroethene	ND	mg/l	0.00050	12/28/06 19:59	PPM	79-01-6		
Trichlorofluoromethane	ND	mg/l	0.00050	12/28/06 19:59	PPM	75-69-4		
1,2,3-Trichloropropane	ND	mg/l	0.00050	12/28/06 19:59	PPM	96-18-4		
1,2,4-Trimethylbenzene	ND	mg/l	0.00050	12/28/06 19:59	PPM	95-63-6		
1,3,5-Trimethylbenzene	ND	mg/l	0.00050	12/28/06 19:59	PPM	108-67-8		
Vinyl chloride	ND	mg/l	0.00050	12/28/06 19:59	PPM	75-01-4		
m&p-Xylene	ND	mg/l	0.00050	12/28/06 19:59	PPM			
o-Xylene	ND	mg/l	0.00050	12/28/06 19:59	PPM	95-47-6		
1-Chloro-3-fluorobenzene (S)	120	%		12/28/06 19:59	PPM	625-98-9		

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Asheville Certification IDs	
NC Wastewater	40
NC Drinking Water	37712
SC Environmental	99030

Burlington Certification IDs	
NC Drinking Water	37743
NC Wastewater	85
VA Drinking Water	00018

Eden Certification IDs	
NC Drinking Water	37738
VA Drinking Water	00424

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

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Lab Project Number: 92134506
Client Project ID: R4-01 City Of Statesville 3rd

Lab Sample No: 927816017 | Project Sample Number: 92134506-003 | Date Collected: 12/19/06 11:00
Client Sample ID: MW-4 | Matrix: Water | Date Received: 12/20/06 09:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Metals								
Trace ICP Metals	Prep/Method: EPA 200.7 / EPA 200.7							
Arsenic	ND	mg/l	0.00500	12/26/06 18:17	EWS	7440-38-2		
Barium	0.14	mg/l	0.00500	12/26/06 18:17	EWS	7440-39-3		
Cadmium	ND	mg/l	0.00100	12/26/06 18:17	EWS	7440-43-9		
Chromium	ND	mg/l	0.00500	12/26/06 18:17	EWS	7440-47-3		
Lead	ND	mg/l	0.00500	12/26/06 18:17	EWS	7439-92-1		
Nickel	ND	mg/l	0.00500	12/26/06 18:17	EWS	7440-02-0		
Selenium	ND	mg/l	0.01000	12/26/06 18:17	EWS	7782-49-2		
Silver	ND	mg/l	0.00500	12/26/06 18:17	EWS	7440-22-4		
Date Digested	12/22/06 16:15			12/22/06 16:15				
Mercury, CVAAS, in Water	Method: EPA 245.1							
Mercury	ND	mg/l	0.00020	12/27/06 13:50	ALV	7439-97-6		
Wet Chemistry								
Total Dissolved Solids	Method: EPA 160.1							
Total Dissolved Solids	70.	mg/l	20.	12/22/06 14:38	JMW			
28 day NOX	Method: EPA 353.2							
Nitrate-Nitrite (as N)	0.48	mg/l	0.10	12/26/06 13:25	JDA1	7727-37-9		
Total Organic Carbon	Method: SM 5310B							
Total Organic Carbon	ND	mg/l	1.0	12/26/06 12:57	JDA1	7440-44-0		
GC Volatiles								
GC VOCs in Water	Method: SM 6230D							
Benzene	ND	mg/l	0.00050	12/28/06 20:40	PPM	71-43-2		
Bromobenzene	ND	mg/l	0.00050	12/28/06 20:40	PPM	108-86-1		
Bromochloromethane	ND	mg/l	0.00050	12/28/06 20:40	PPM	74-97-5		
Bromodichloromethane	ND	mg/l	0.00050	12/28/06 20:40	PPM	75-27-4		
Bromoform	ND	mg/l	0.00050	12/28/06 20:40	PPM	75-25-2		
Bromomethane	ND	mg/l	0.00050	12/28/06 20:40	PPM	74-83-9		
n-Butylbenzene	ND	mg/l	0.0010	12/28/06 20:40	PPM	104-51-8		
sec-Butylbenzene	ND	mg/l	0.00050	12/28/06 20:40	PPM	135-98-8		
tert-Butylbenzene	ND	mg/l	0.00050	12/28/06 20:40	PPM	98-06-6		
Carbon tetrachloride	ND	mg/l	0.00050	12/28/06 20:40	PPM	56-23-5		
Chlorobenzene	ND	mg/l	0.00050	12/28/06 20:40	PPM	108-90-7		
Chloroethane	ND	mg/l	0.00050	12/28/06 20:40	PPM	75-00-3		

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Asheville Certification IDs		Burlington Certification IDs		Eden Certification IDs		Charlotte Certification IDs	
NC Wastewater	40	NC Drinking Water	37743	NC Drinking Water	37738	NC Wastewater	12
NC Drinking Water	37712	NC Wastewater	85	VA Drinking Water	00424	NC Drinking Water	37706
SC Environmental	99030	VA Drinking Water	00018			SC	99006

Lab Sample No: 927816017 Project Sample Number: 92134506-003 Date Collected: 12/19/06 11:00
Client Sample ID: MW-4 Matrix: Water Date Received: 12/20/06 09:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Chloroform	ND	mg/l	0.00050	12/28/06 20:40	PPM	67-66-3		
Chloromethane	ND	mg/l	0.0020	12/28/06 20:40	PPM	74-87-3		
2-Chlorotoluene	ND	mg/l	0.00050	12/28/06 20:40	PPM	95-49-8		
4-Chlorotoluene	ND	mg/l	0.00050	12/28/06 20:40	PPM	106-43-4		
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0020	12/28/06 20:40	PPM	96-12-8		
Dibromochloromethane	ND	mg/l	0.00050	12/28/06 20:40	PPM	124-48-1		
1,2-Dibromoethane (EDB)	ND	mg/l	0.00050	12/28/06 20:40	PPM	106-93-4		
Dibromomethane	ND	mg/l	0.00050	12/28/06 20:40	PPM	74-95-3		
1,2-Dichlorobenzene	ND	mg/l	0.0010	12/28/06 20:40	PPM	95-50-1		
1,3-Dichlorobenzene	ND	mg/l	0.0010	12/28/06 20:40	PPM	541-73-1		
1,4-Dichlorobenzene	ND	mg/l	0.0010	12/28/06 20:40	PPM	106-46-7		
Dichlorodifluoromethane	ND	mg/l	0.00050	12/28/06 20:40	PPM	75-71-8		
1,1-Dichloroethane	ND	mg/l	0.00050	12/28/06 20:40	PPM	75-34-3		
1,2-Dichloroethane	ND	mg/l	0.00050	12/28/06 20:40	PPM	107-06-2		
1,1-Dichloroethene	ND	mg/l	0.00050	12/28/06 20:40	PPM	75-35-4		
cis-1,2-Dichloroethene	ND	mg/l	0.00050	12/28/06 20:40	PPM	156-59-2		
trans-1,2-Dichloroethene	ND	mg/l	0.00050	12/28/06 20:40	PPM	156-60-5		
1,2-Dichloropropane	ND	mg/l	0.00050	12/28/06 20:40	PPM	78-87-5		
1,3-Dichloropropane	ND	mg/l	0.00050	12/28/06 20:40	PPM	142-28-9		
2,2-Dichloropropane	ND	mg/l	0.00050	12/28/06 20:40	PPM	594-20-7		
1,1-Dichloropropene	ND	mg/l	0.00050	12/28/06 20:40	PPM	563-58-6		
cis-1,3-Dichloropropene	ND	mg/l	0.00050	12/28/06 20:40	PPM	10061-01-5		
trans-1,3-Dichloropropene	ND	mg/l	0.00050	12/28/06 20:40	PPM	10061-02-6		
Diisopropyl ether	ND	mg/l	0.00050	12/28/06 20:40	PPM	108-20-3		
Ethylbenzene	ND	mg/l	0.00050	12/28/06 20:40	PPM	100-41-4		
Hexachloro-1,3-butadiene	ND	mg/l	0.0020	12/28/06 20:40	PPM	87-68-3		
Isopropylbenzene (Cumene)	ND	mg/l	0.00050	12/28/06 20:40	PPM	98-82-8		
p-Isopropyltoluene	ND	mg/l	0.0010	12/28/06 20:40	PPM	99-87-6		
Methylene chloride	ND	mg/l	0.0020	12/28/06 20:40	PPM	75-09-2		
Methyl-tert-butyl ether	ND	mg/l	0.00050	12/28/06 20:40	PPM	1634-04-4		
Naphthalene	ND	mg/l	0.0020	12/28/06 20:40	PPM	91-20-3		
n-Propylbenzene	ND	mg/l	0.00050	12/28/06 20:40	PPM	103-65-1		
Styrene	ND	mg/l	0.00050	12/28/06 20:40	PPM	100-42-5		
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00050	12/28/06 20:40	PPM	630-20-6		
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00050	12/28/06 20:40	PPM	79-34-5		
Tetrachloroethene	ND	mg/l	0.00050	12/28/06 20:40	PPM	127-18-4		
Toluene	ND	mg/l	0.00050	12/28/06 20:40	PPM	108-88-3		
1,2,3-Trichlorobenzene	ND	mg/l	0.0020	12/28/06 20:40	PPM	87-61-6		
1,2,4-Trichlorobenzene	ND	mg/l	0.0020	12/28/06 20:40	PPM	120-82-1		

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NC Wastewater	40	NC Drinking Water	37743	NC Drinking Water	37738	NC Wastewater	12
NC Drinking Water	37712	NC Wastewater	85	VA Drinking Water	00424	NC Drinking Water	37706
SC Environmental	99030	VA Drinking Water	00018			SC	99006

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Lab Project Number: 92134506
Client Project ID: R4-01 City Of Statesville 3rd

Lab Sample No: 927816025 | Project Sample Number: 92134506-004 | Date Collected: 12/19/06 15:30
Client Sample ID: MW-7 | Matrix: Water | Date Received: 12/20/06 09:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Metals								
Trace ICP Metals	Prep/Method: EPA 200.7 / EPA 200.7							
Arsenic	0.0064	mg/l	0.00500	12/26/06 18:21	EWS	7440-38-2		
Barium	0.94	mg/l	0.00500	12/26/06 18:21	EWS	7440-39-3		
Cadmium	0.0027	mg/l	0.00100	12/26/06 18:21	EWS	7440-43-9		
Chromium	0.039	mg/l	0.00500	12/26/06 18:21	EWS	7440-47-3		
Lead	0.025	mg/l	0.00500	12/26/06 18:21	EWS	7439-92-1		
Nickel	0.016	mg/l	0.00500	12/26/06 18:21	EWS	7440-02-0		
Selenium	ND	mg/l	0.01000	12/26/06 18:21	EWS	7782-49-2		
Silver	ND	mg/l	0.00500	12/26/06 18:21	EWS	7440-22-4		
Date Digested	12/22/06 16:15			12/22/06 16:15				
Mercury, CVAAS, in Water	Method: EPA 245.1							
Mercury	ND	mg/l	0.00020	12/27/06 13:53	ALV	7439-97-6		
GC/MS Semivolatiles								
Semivolatile Organics	Prep/Method: EPA 3510 / EPA 8270							
Acenaphthene	ND	mg/l	0.01100	12/27/06 22:49	BET	83-32-9		
Acenaphthylene	ND	mg/l	0.01100	12/27/06 22:49	BET	208-96-8		
Aniline	ND	mg/l	0.01100	12/27/06 22:49	BET	62-53-3		
Anthracene	ND	mg/l	0.01100	12/27/06 22:49	BET	120-12-7		
Benzo(k)fluoranthene	ND	mg/l	0.01100	12/27/06 22:49	BET	207-08-9		
Benzo(b)fluoranthene	ND	mg/l	0.01100	12/27/06 22:49	BET	205-99-2		
Benzo(a)anthracene	ND	mg/l	0.01100	12/27/06 22:49	BET	56-55-3		
Benzoic acid	ND	mg/l	0.05600	12/27/06 22:49	BET	65-85-0		
Benzo(g,h,i)perylene	ND	mg/l	0.01100	12/27/06 22:49	BET	191-24-2		
Benzyl alcohol	ND	mg/l	0.02200	12/27/06 22:49	BET	100-51-6		
Benzo(a)pyrene	ND	mg/l	0.01100	12/27/06 22:49	BET	50-32-8		
4-Bromophenylphenyl ether	ND	mg/l	0.01100	12/27/06 22:49	BET	101-55-3		
Butylbenzylphthalate	ND	mg/l	0.01100	12/27/06 22:49	BET	85-68-7		
4-Chloro-3-methylphenol	ND	mg/l	0.02200	12/27/06 22:49	BET	59-50-7		
4-Chloroaniline	ND	mg/l	0.02200	12/27/06 22:49	BET	106-47-8		
bis(2-Chloroethoxy)methane	ND	mg/l	0.01100	12/27/06 22:49	BET	111-91-1		
bis(2-Chloroethyl) ether	ND	mg/l	0.01100	12/27/06 22:49	BET	111-44-4		
bis(2-Chloroisopropyl) ether	ND	mg/l	0.01100	12/27/06 22:49	BET	39638-32-9		
2-Chloronaphthalene	ND	mg/l	0.01100	12/27/06 22:49	BET	91-58-7		
2-Chlorophenol	ND	mg/l	0.01100	12/27/06 22:49	BET	95-57-8		
4-Chlorophenylphenyl ether	ND	mg/l	0.01100	12/27/06 22:49	BET	7005-72-3		
Chrysene	ND	mg/l	0.01100	12/27/06 22:49	BET	218-01-9		

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NC Wastewater	40	NC Drinking Water	37743	NC Drinking Water	37738	NC Wastewater	12
NC Drinking Water	37712	NC Wastewater	85	VA Drinking Water	00424	NC Drinking Water	37706
SC Environmental	99030	VA Drinking Water	00018			SC	99006

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Fax: 336.623.5878

Lab Project Number: 92134506
Client Project ID: R4-01 City Of Statesville 3rd

Lab Sample No: 927816025 | Project Sample Number: 92134506-004 | Date Collected: 12/19/06 15:30
Client Sample ID: MW-7 | Matrix: Water | Date Received: 12/20/06 09:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Dibenz(a,h)anthracene	ND	mg/l	0.01100	12/27/06 22:49	BET	53-70-3		
Dibenzofuran	ND	mg/l	0.01100	12/27/06 22:49	BET	132-64-9		
1,2-Dichlorobenzene	ND	mg/l	0.01100	12/27/06 22:49	BET	95-50-1		
1,3-Dichlorobenzene	ND	mg/l	0.01100	12/27/06 22:49	BET	541-73-1		
1,4-Dichlorobenzene	ND	mg/l	0.01100	12/27/06 22:49	BET	106-46-7		
3,3'-Dichlorobenzidine	ND	mg/l	0.02200	12/27/06 22:49	BET	91-94-1		
2,4-Dichlorophenol	ND	mg/l	0.01100	12/27/06 22:49	BET	120-83-2		
Diethylphthalate	ND	mg/l	0.01100	12/27/06 22:49	BET	84-66-2		
2,4-Dimethylphenol	ND	mg/l	0.01100	12/27/06 22:49	BET	105-67-9		
Dimethylphthalate	ND	mg/l	0.01100	12/27/06 22:49	BET	131-11-3		
Di-n-butylphthalate	ND	mg/l	0.01100	12/27/06 22:49	BET	84-74-2		
4,6-Dinitro-2-methylphenol	ND	mg/l	0.05600	12/27/06 22:49	BET	534-52-1		
2,4-Dinitrophenol	ND	mg/l	0.05600	12/27/06 22:49	BET	51-28-5		
2,4-Dinitrotoluene	ND	mg/l	0.01100	12/27/06 22:49	BET	121-14-2		
2,6-Dinitrotoluene	ND	mg/l	0.01100	12/27/06 22:49	BET	606-20-2		
Di-n-octylphthalate	ND	mg/l	0.01100	12/27/06 22:49	BET	117-84-0		
1,2-Diphenylhydrazine	ND	mg/l	0.02200	12/27/06 22:49	BET	122-66-7		
bis(2-Ethylhexyl)phthalate	ND	mg/l	0.01100	12/27/06 22:49	BET	117-81-7		
Fluoranthene	ND	mg/l	0.01100	12/27/06 22:49	BET	206-44-0		
Fluorene	ND	mg/l	0.01100	12/27/06 22:49	BET	86-73-7		
Hexachloro-1,3-butadiene	ND	mg/l	0.01100	12/27/06 22:49	BET	87-68-3		
Hexachlorobenzene	ND	mg/l	0.01100	12/27/06 22:49	BET	118-74-1		
Hexachlorocyclopentadiene	ND	mg/l	0.01100	12/27/06 22:49	BET	77-47-4		
Hexachloroethane	ND	mg/l	0.01100	12/27/06 22:49	BET	67-72-1		
Indeno(1,2,3-cd)pyrene	ND	mg/l	0.01100	12/27/06 22:49	BET	193-39-5		
Isophorone	ND	mg/l	0.01100	12/27/06 22:49	BET	78-59-1		
1-Methylnaphthalene	ND	mg/l	0.01100	12/27/06 22:49	BET	90-12-0		
2-Methylnaphthalene	ND	mg/l	0.01100	12/27/06 22:49	BET	91-57-6		
2-Methylphenol (o-Cresol)	ND	mg/l	0.01100	12/27/06 22:49	BET	95-48-7		
3&4-Methylphenol	ND	mg/l	0.01100	12/27/06 22:49	BET			
Naphthalene	ND	mg/l	0.01100	12/27/06 22:49	BET	91-20-3		
2-Nitroaniline	ND	mg/l	0.05600	12/27/06 22:49	BET	88-74-4		
3-Nitroaniline	ND	mg/l	0.05600	12/27/06 22:49	BET	99-09-2		
4-Nitroaniline	ND	mg/l	0.05600	12/27/06 22:49	BET	100-01-6		
Nitrobenzene	ND	mg/l	0.01100	12/27/06 22:49	BET	98-95-3		
2-Nitrophenol	ND	mg/l	0.01100	12/27/06 22:49	BET	88-75-5		
4-Nitrophenol	ND	mg/l	0.05600	12/27/06 22:49	BET	100-02-7		
N-Nitrosodimethylamine	ND	mg/l	0.01100	12/27/06 22:49	BET	62-75-9		
N-Nitroso-di-n-propylamine	ND	mg/l	0.01100	12/27/06 22:49	BET	621-64-7		

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Asheville Certification IDs	
NC Wastewater	40
NC Drinking Water	37712
SC Environmental	99030

Burlington Certification IDs	
NC Drinking Water	37743
NC Wastewater	85
VA Drinking Water	00018

Eden Certification IDs	
NC Drinking Water	37738
VA Drinking Water	00424

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

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370 West Meadow Road
Eden, NC 27288
Phone: 336.623.8921
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Lab Project Number: 92134506
Client Project ID: R4-01 City Of Statesville 3rd

Lab Sample No: 927816025 Project Sample Number: 92134506-004 Date Collected: 12/19/06 15:30
Client Sample ID: MW-7 Matrix: Water Date Received: 12/20/06 09:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
N-Nitrosodiphenylamine	ND	mg/l	0.01100	12/27/06 22:49	BET	86-30-6		
Pentachlorophenol	ND	mg/l	0.05600	12/27/06 22:49	BET	87-86-5		
Phenanthrene	ND	mg/l	0.01100	12/27/06 22:49	BET	85-01-8		
Phenol	ND	mg/l	0.01100	12/27/06 22:49	BET	108-95-2		
Pyrene	ND	mg/l	0.01100	12/27/06 22:49	BET	129-00-0		
1,2,4-Trichlorobenzene	ND	mg/l	0.01100	12/27/06 22:49	BET	120-82-1		
2,4,5-Trichlorophenol	ND	mg/l	0.05600	12/27/06 22:49	BET	95-95-4		
2,4,6-Trichlorophenol	ND	mg/l	0.01100	12/27/06 22:49	BET	88-06-2		
Nitrobenzene-d5 (S)	38	%		12/27/06 22:49	BET	4165-60-0		
2-Fluorobiphenyl (S)	46	%		12/27/06 22:49	BET	321-60-8		
Terphenyl-d14 (S)	44	%		12/27/06 22:49	BET	1718-51-0		
Phenol-d5 (S)	17	%		12/27/06 22:49	BET	4165-62-2		
2-Fluorophenol (S)	35	%		12/27/06 22:49	BET	367-12-4		
2,4,6-Tribromophenol (S)	46	%		12/27/06 22:49	BET	118-79-6		
Date Extracted	12/21/06			12/21/06				

GC/MS Volatiles

GC/MS VOCs by 8260 Method: EPA 8260

Acetone	ND	mg/l	0.02500	01/02/07 16:24	DLK	67-64-1		
Benzene	ND	mg/l	0.00500	01/02/07 16:24	DLK	71-43-2		
Bromobenzene	ND	mg/l	0.00500	01/02/07 16:24	DLK	108-86-1		
Bromochloromethane	ND	mg/l	0.00500	01/02/07 16:24	DLK	74-97-5		
Bromodichloromethane	ND	mg/l	0.00500	01/02/07 16:24	DLK	75-27-4		
Bromoform	ND	mg/l	0.00500	01/02/07 16:24	DLK	75-25-2		
Bromomethane	ND	mg/l	0.00500	01/02/07 16:24	DLK	74-83-9		
2-Butanone (MEK)	ND	mg/l	0.01000	01/02/07 16:24	DLK	78-93-3		
n-Butylbenzene	ND	mg/l	0.00500	01/02/07 16:24	DLK	104-51-8		
sec-Butylbenzene	ND	mg/l	0.00500	01/02/07 16:24	DLK	135-98-8		
tert-Butylbenzene	ND	mg/l	0.00500	01/02/07 16:24	DLK	98-06-6		
Carbon tetrachloride	ND	mg/l	0.00500	01/02/07 16:24	DLK	56-23-5		
Chlorobenzene	ND	mg/l	0.00500	01/02/07 16:24	DLK	108-90-7		
Chloroethane	ND	mg/l	0.01000	01/02/07 16:24	DLK	75-00-3		
Chloroform	ND	mg/l	0.00500	01/02/07 16:24	DLK	67-66-3		
Chloromethane	ND	mg/l	0.00500	01/02/07 16:24	DLK	74-87-3		
2-Chlorotoluene	ND	mg/l	0.00500	01/02/07 16:24	DLK	95-49-8		
4-Chlorotoluene	ND	mg/l	0.00500	01/02/07 16:24	DLK	106-43-4		
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	01/02/07 16:24	DLK	96-12-8		
Dibromochloromethane	ND	mg/l	0.00500	01/02/07 16:24	DLK	124-48-1		
1,2-Dibromoethane (EDB)	ND	mg/l	0.00500	01/02/07 16:24	DLK	106-93-4		

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NC Wastewater	40	NC Drinking Water	37743	NC Drinking Water	37738	NC Wastewater	12
NC Drinking Water	37712	NC Wastewater	85	VA Drinking Water	00424	NC Drinking Water	37706
SC Environmental	99030	VA Drinking Water	00018			SC	99006

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Phone: 336.623.8921
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Lab Project Number: 92134506
Client Project ID: R4-01 City Of Statesville 3rd

Lab Sample No: 927816025 | Project Sample Number: 92134506-004 | Date Collected: 12/19/06 15:30
Client Sample ID: MW-7 | Matrix: Water | Date Received: 12/20/06 09:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Dibromomethane	ND	mg/l	0.00500	01/02/07 16:24	DLK	74-95-3		
1,2-Dichlorobenzene	ND	mg/l	0.00500	01/02/07 16:24	DLK	95-50-1		
1,3-Dichlorobenzene	ND	mg/l	0.00500	01/02/07 16:24	DLK	541-73-1		
1,4-Dichlorobenzene	ND	mg/l	0.00500	01/02/07 16:24	DLK	106-46-7		
Dichlorodifluoromethane	ND	mg/l	0.00500	01/02/07 16:24	DLK	75-71-8		
1,1-Dichloroethane	ND	mg/l	0.00500	01/02/07 16:24	DLK	75-34-3		
1,2-Dichloroethane	ND	mg/l	0.00500	01/02/07 16:24	DLK	107-06-2		
1,1-Dichloroethene	ND	mg/l	0.00500	01/02/07 16:24	DLK	75-35-4		
cis-1,2-Dichloroethene	ND	mg/l	0.00500	01/02/07 16:24	DLK	156-59-2		
trans-1,2-Dichloroethene	ND	mg/l	0.00500	01/02/07 16:24	DLK	156-60-5		
1,2-Dichloropropane	ND	mg/l	0.00500	01/02/07 16:24	DLK	78-87-5		
1,3-Dichloropropane	ND	mg/l	0.00500	01/02/07 16:24	DLK	142-28-9		
2,2-Dichloropropane	ND	mg/l	0.00500	01/02/07 16:24	DLK	594-20-7		
1,1-Dichloropropene	ND	mg/l	0.00500	01/02/07 16:24	DLK	563-58-6		
cis-1,3-Dichloropropene	ND	mg/l	0.00500	01/02/07 16:24	DLK	10061-01-5		
trans-1,3-Dichloropropene	ND	mg/l	0.00500	01/02/07 16:24	DLK	10061-02-6		
Diisopropyl ether	ND	mg/l	0.00500	01/02/07 16:24	DLK	108-20-3		
Ethylbenzene	ND	mg/l	0.00500	01/02/07 16:24	DLK	100-41-4		
Hexachloro-1,3-butadiene	ND	mg/l	0.00500	01/02/07 16:24	DLK	87-68-3		
2-Hexanone	ND	mg/l	0.01000	01/02/07 16:24	DLK	591-78-6		
Isopropylbenzene (Cumene)	ND	mg/l	0.00500	01/02/07 16:24	DLK	98-82-8		
p-Isopropyltoluene	ND	mg/l	0.00500	01/02/07 16:24	DLK	99-87-6		
Methylene chloride	ND	mg/l	0.00500	01/02/07 16:24	DLK	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	mg/l	0.01000	01/02/07 16:24	DLK	108-10-1		
Methyl-tert-butyl ether	ND	mg/l	0.00500	01/02/07 16:24	DLK	1634-04-4		
Naphthalene	ND	mg/l	0.00500	01/02/07 16:24	DLK	91-20-3		
n-Propylbenzene	ND	mg/l	0.00500	01/02/07 16:24	DLK	103-65-1		
Styrene	ND	mg/l	0.00500	01/02/07 16:24	DLK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00500	01/02/07 16:24	DLK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00500	01/02/07 16:24	DLK	79-34-5		
Tetrachloroethene	ND	mg/l	0.00500	01/02/07 16:24	DLK	127-18-4		
Toluene	ND	mg/l	0.00500	01/02/07 16:24	DLK	108-88-3		
1,2,3-Trichlorobenzene	ND	mg/l	0.00500	01/02/07 16:24	DLK	87-61-6		
1,2,4-Trichlorobenzene	ND	mg/l	0.00500	01/02/07 16:24	DLK	120-82-1		
1,1,1-Trichloroethane	ND	mg/l	0.00500	01/02/07 16:24	DLK	71-55-6		
1,1,2-Trichloroethane	ND	mg/l	0.00500	01/02/07 16:24	DLK	79-00-5		
Trichloroethene	ND	mg/l	0.00500	01/02/07 16:24	DLK	79-01-6		
Trichlorofluoromethane	ND	mg/l	0.01000	01/02/07 16:24	DLK	75-69-4		
1,2,3-Trichloropropane	ND	mg/l	0.00500	01/02/07 16:24	DLK	96-18-4		

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NC Drinking Water	37712	NC Wastewater	85	VA Drinking Water	00424	NC Drinking Water	37706
SC Environmental	99030	VA Drinking Water	00018			SC	99006

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Phone: 336.623.8921
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Lab Project Number: 92134506
Client Project ID: R4-01 City Of Statesville 3rd

Lab Sample No: 927816025 | Project Sample Number: 92134506-004 | Date Collected: 12/19/06 15:30
Client Sample ID: MW-7 | Matrix: Water | Date Received: 12/20/06 09:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
1,2,4-Trimethylbenzene	ND	mg/l	0.00500	01/02/07 16:24	DLK	95-63-6		
1,3,5-Trimethylbenzene	ND	mg/l	0.00500	01/02/07 16:24	DLK	108-67-8		
Vinyl acetate	ND	mg/l	0.01000	01/02/07 16:24	DLK	108-05-4		
Vinyl chloride	ND	mg/l	0.00500	01/02/07 16:24	DLK	75-01-4		
m&p-Xylene	ND	mg/l	0.01000	01/02/07 16:24	DLK			
o-Xylene	ND	mg/l	0.00500	01/02/07 16:24	DLK	95-47-6		
Toluene-d8 (S)	95	%		01/02/07 16:24	DLK	2037-26-5		
4-Bromofluorobenzene (S)	91	%		01/02/07 16:24	DLK	460-00-4		
Dibromofluoromethane (S)	112	%		01/02/07 16:24	DLK	1868-53-7		
1,2-Dichloroethane-d4 (S)	105	%		01/02/07 16:24	DLK	17060-07-0		

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NC Drinking Water	37712	NC Wastewater	85	VA Drinking Water	00424	NC Drinking Water	37706
SC Environmental	99030	VA Drinking Water	00018			SC	99006

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Lab Project Number: 92134506
Client Project ID: R4-01 City Of Statesville 3rd

Lab Sample No: 927816033 | Project Sample Number: 92134506-005 | Date Collected: 12/19/06 13:30
Client Sample ID: MW-8 | Matrix: Water | Date Received: 12/20/06 09:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Metals								
Trace ICP Metals	Prep/Method: EPA 200.7 / EPA 200.7							
Arsenic	0.027	mg/l	0.00500	12/26/06 16:11	EWS	7440-38-2		
Barium	1.4	mg/l	0.00500	12/26/06 16:11	EWS	7440-39-3		
Cadmium	0.0036	mg/l	0.00100	12/26/06 16:11	EWS	7440-43-9		
Chromium	0.028	mg/l	0.00500	12/26/06 16:11	EWS	7440-47-3		
Lead	0.079	mg/l	0.00500	12/26/06 16:11	EWS	7439-92-1		
Nickel	0.026	mg/l	0.00500	12/26/06 16:11	EWS	7440-02-0		
Selenium	ND	mg/l	0.01000	12/26/06 16:11	EWS	7782-49-2		
Silver	ND	mg/l	0.00500	12/26/06 16:11	EWS	7440-22-4		
Date Digested	12/26/06 08:40			12/26/06 08:40				
Mercury, CVAAS, in Water	Method: EPA 245.1							
Mercury	ND	mg/l	0.00020	12/27/06 13:55	ALV	7439-97-6		
Wet Chemistry								
Total Dissolved Solids	Method: EPA 160.1							
Total Dissolved Solids	58.	mg/l	20.	12/22/06 14:40	JMW			
28 day NOX	Method: EPA 353.2							
Nitrate-Nitrite (as N)	1.3	mg/l	0.10	12/26/06 13:25	JDA1	7727-37-9		
Total Organic Carbon	Method: SM 5310B							
Total Organic Carbon	ND	mg/l	1.0	12/26/06 12:57	JDA1	7440-44-0		
GC Volatiles								
GC VOCs in Water	Method: SM 6230D							
Benzene	ND	mg/l	0.00050	12/28/06 21:22	PPM	71-43-2		
Bromobenzene	ND	mg/l	0.00050	12/28/06 21:22	PPM	108-86-1		
Bromochloromethane	ND	mg/l	0.00050	12/28/06 21:22	PPM	74-97-5		
Bromodichloromethane	ND	mg/l	0.00050	12/28/06 21:22	PPM	75-27-4		
Bromoform	ND	mg/l	0.00050	12/28/06 21:22	PPM	75-25-2		
Bromomethane	ND	mg/l	0.00050	12/28/06 21:22	PPM	74-83-9		
n-Butylbenzene	ND	mg/l	0.0010	12/28/06 21:22	PPM	104-51-8		
sec-Butylbenzene	ND	mg/l	0.00050	12/28/06 21:22	PPM	135-98-8		
tert-Butylbenzene	ND	mg/l	0.00050	12/28/06 21:22	PPM	98-06-6		
Carbon tetrachloride	ND	mg/l	0.00050	12/28/06 21:22	PPM	56-23-5		
Chlorobenzene	ND	mg/l	0.00050	12/28/06 21:22	PPM	108-90-7		
Chloroethane	ND	mg/l	0.00050	12/28/06 21:22	PPM	75-00-3		

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NC Drinking Water	37712	NC Wastewater	85	VA Drinking Water	00424	NC Drinking Water	37706
SC Environmental	99030	VA Drinking Water	00018			SC	99006

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Lab Project Number: 92134506
Client Project ID: R4-01 City Of Statesville 3rd

Lab Sample No: 927816033 | Project Sample Number: 92134506-005 | Date Collected: 12/19/06 13:30
Client Sample ID: MW-8 | Matrix: Water | Date Received: 12/20/06 09:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Chloroform	ND	mg/l	0.00050	12/28/06 21:22	PPM	67-66-3		
Chloromethane	ND	mg/l	0.0020	12/28/06 21:22	PPM	74-87-3		
2-Chlorotoluene	ND	mg/l	0.00050	12/28/06 21:22	PPM	95-49-8		
4-Chlorotoluene	ND	mg/l	0.00050	12/28/06 21:22	PPM	106-43-4		
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0020	12/28/06 21:22	PPM	96-12-8		
Dibromochloromethane	ND	mg/l	0.00050	12/28/06 21:22	PPM	124-48-1		
1,2-Dibromoethane (EDB)	ND	mg/l	0.00050	12/28/06 21:22	PPM	106-93-4		
Dibromomethane	ND	mg/l	0.00050	12/28/06 21:22	PPM	74-95-3		
1,2-Dichlorobenzene	ND	mg/l	0.0010	12/28/06 21:22	PPM	95-50-1		
1,3-Dichlorobenzene	ND	mg/l	0.0010	12/28/06 21:22	PPM	541-73-1		
1,4-Dichlorobenzene	ND	mg/l	0.0010	12/28/06 21:22	PPM	106-46-7		
Dichlorodifluoromethane	ND	mg/l	0.00050	12/28/06 21:22	PPM	75-71-8		
1,1-Dichloroethane	ND	mg/l	0.00050	12/28/06 21:22	PPM	75-34-3		
1,2-Dichloroethane	ND	mg/l	0.00050	12/28/06 21:22	PPM	107-06-2		
1,1-Dichloroethene	ND	mg/l	0.00050	12/28/06 21:22	PPM	75-35-4		
cis-1,2-Dichloroethene	ND	mg/l	0.00050	12/28/06 21:22	PPM	156-59-2		
trans-1,2-Dichloroethene	ND	mg/l	0.00050	12/28/06 21:22	PPM	156-60-5		
1,2-Dichloropropane	ND	mg/l	0.00050	12/28/06 21:22	PPM	78-87-5		
1,3-Dichloropropane	ND	mg/l	0.00050	12/28/06 21:22	PPM	142-28-9		
2,2-Dichloropropane	ND	mg/l	0.00050	12/28/06 21:22	PPM	594-20-7		
1,1-Dichloropropene	ND	mg/l	0.00050	12/28/06 21:22	PPM	563-58-6		
cis-1,3-Dichloropropene	ND	mg/l	0.00050	12/28/06 21:22	PPM	10061-01-5		
trans-1,3-Dichloropropene	ND	mg/l	0.00050	12/28/06 21:22	PPM	10061-02-6		
Diisopropyl ether	ND	mg/l	0.00050	12/28/06 21:22	PPM	108-20-3		
Ethylbenzene	ND	mg/l	0.00050	12/28/06 21:22	PPM	100-41-4		
Hexachloro-1,3-butadiene	ND	mg/l	0.0020	12/28/06 21:22	PPM	87-68-3		
Isopropylbenzene (Cumene)	ND	mg/l	0.00050	12/28/06 21:22	PPM	98-82-8		
p-Isopropyltoluene	ND	mg/l	0.0010	12/28/06 21:22	PPM	99-87-6		
Methylene chloride	ND	mg/l	0.0020	12/28/06 21:22	PPM	75-09-2		
Methyl-tert-butyl ether	ND	mg/l	0.00050	12/28/06 21:22	PPM	1634-04-4		
Naphthalene	ND	mg/l	0.0020	12/28/06 21:22	PPM	91-20-3		
n-Propylbenzene	ND	mg/l	0.00050	12/28/06 21:22	PPM	103-65-1		
Styrene	ND	mg/l	0.00050	12/28/06 21:22	PPM	100-42-5		
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00050	12/28/06 21:22	PPM	630-20-6		
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00050	12/28/06 21:22	PPM	79-34-5		
Tetrachloroethene	ND	mg/l	0.00050	12/28/06 21:22	PPM	127-18-4		
Toluene	ND	mg/l	0.00050	12/28/06 21:22	PPM	108-88-3		
1,2,3-Trichlorobenzene	ND	mg/l	0.0020	12/28/06 21:22	PPM	87-61-6		
1,2,4-Trichlorobenzene	ND	mg/l	0.0020	12/28/06 21:22	PPM	120-82-1		

REPORT OF LABORATORY ANALYSIS

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NC Wastewater	40	NC Drinking Water	37743	NC Drinking Water	37738	NC Wastewater	12
NC Drinking Water	37712	NC Wastewater	85	VA Drinking Water	00424	NC Drinking Water	37706
SC Environmental	99030	VA Drinking Water	00018			SC	99006

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Lab Project Number: 92134506
Client Project ID: R4-01 City Of Statesville 3rd

Lab Sample No: 927816033 | Project Sample Number: 92134506-005 | Date Collected: 12/19/06 13:30
Client Sample ID: MW-8 | Matrix: Water | Date Received: 12/20/06 09:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
1,1,1-Trichloroethane	ND	mg/l	0.00050	12/28/06 21:22	PPM	71-55-6		
1,1,2-Trichloroethane	ND	mg/l	0.00050	12/28/06 21:22	PPM	79-00-5		
Trichloroethene	ND	mg/l	0.00050	12/28/06 21:22	PPM	79-01-6		
Trichlorofluoromethane	ND	mg/l	0.00050	12/28/06 21:22	PPM	75-69-4		
1,2,3-Trichloropropane	ND	mg/l	0.00050	12/28/06 21:22	PPM	96-18-4		
1,2,4-Trimethylbenzene	ND	mg/l	0.00050	12/28/06 21:22	PPM	95-63-6		
1,3,5-Trimethylbenzene	ND	mg/l	0.00050	12/28/06 21:22	PPM	108-67-8		
Vinyl chloride	ND	mg/l	0.00050	12/28/06 21:22	PPM	75-01-4		
m&p-Xylene	ND	mg/l	0.00050	12/28/06 21:22	PPM			
o-Xylene	ND	mg/l	0.00050	12/28/06 21:22	PPM	95-47-6		
1-Chloro-3-fluorobenzene (S)	116	%		12/28/06 21:22	PPM	625-98-9		

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Asheville Certification IDs	
NC Wastewater	40
NC Drinking Water	37712
SC Environmental	99030

Burlington Certification IDs	
NC Drinking Water	37743
NC Wastewater	85
VA Drinking Water	00018

Eden Certification IDs	
NC Drinking Water	37738
VA Drinking Water	00424

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

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Lab Project Number: 92134506
Client Project ID: R4-01 City Of Statesville 3rd

Lab Sample No: 927816058 | Project Sample Number: 92134506-006 | Date Collected: 12/19/06 14:30
Client Sample ID: MW-9 | Matrix: Water | Date Received: 12/20/06 09:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Metals								
Trace ICP Metals	Prep/Method: EPA 200.7 / EPA 200.7							
Arsenic	0.0095	mg/l	0.00500	12/26/06 16:22	EWS	7440-38-2		
Barium	1.2	mg/l	0.00500	12/26/06 16:22	EWS	7440-39-3		
Cadmium	0.0086	mg/l	0.00100	12/26/06 16:22	EWS	7440-43-9		
Chromium	0.030	mg/l	0.00500	12/26/06 16:22	EWS	7440-47-3		
Lead	0.053	mg/l	0.00500	12/26/06 16:22	EWS	7439-92-1		
Nickel	0.011	mg/l	0.00500	12/26/06 16:22	EWS	7440-02-0		
Selenium	ND	mg/l	0.01000	12/26/06 16:22	EWS	7782-49-2		
Silver	ND	mg/l	0.00500	12/26/06 16:22	EWS	7440-22-4		
Date Digested	12/26/06 08:40			12/26/06 08:40				
Mercury, CVAAS, in Water	Method: EPA 245.1							
Mercury	ND	mg/l	0.00020	12/27/06 13:58	ALV	7439-97-6		
GC/MS Semivolatiles								
Semivolatile Organics	Prep/Method: EPA 3510 / EPA 8270							
Acenaphthene	ND	mg/l	0.01100	12/27/06 23:22	BET	83-32-9		
Acenaphthylene	ND	mg/l	0.01100	12/27/06 23:22	BET	208-96-8		
Aniline	ND	mg/l	0.01100	12/27/06 23:22	BET	62-53-3		
Anthracene	ND	mg/l	0.01100	12/27/06 23:22	BET	120-12-7		
Benzo(k)fluoranthene	ND	mg/l	0.01100	12/27/06 23:22	BET	207-08-9		
Benzo(b)fluoranthene	ND	mg/l	0.01100	12/27/06 23:22	BET	205-99-2		
Benzo(a)anthracene	ND	mg/l	0.01100	12/27/06 23:22	BET	56-55-3		
Benzoic acid	ND	mg/l	0.05300	12/27/06 23:22	BET	65-85-0		
Benzo(g,h,i)perylene	ND	mg/l	0.01100	12/27/06 23:22	BET	191-24-2		
Benzyl alcohol	ND	mg/l	0.02100	12/27/06 23:22	BET	100-51-6		
Benzo(a)pyrene	ND	mg/l	0.01100	12/27/06 23:22	BET	50-32-8		
4-Bromophenylphenyl ether	ND	mg/l	0.01100	12/27/06 23:22	BET	101-55-3		
Butylbenzylphthalate	ND	mg/l	0.01100	12/27/06 23:22	BET	85-68-7		
4-Chloro-3-methylphenol	ND	mg/l	0.02100	12/27/06 23:22	BET	59-50-7		
4-Chloroaniline	ND	mg/l	0.02100	12/27/06 23:22	BET	106-47-8		
bis(2-Chloroethoxy)methane	ND	mg/l	0.01100	12/27/06 23:22	BET	111-91-1		
bis(2-Chloroethyl) ether	ND	mg/l	0.01100	12/27/06 23:22	BET	111-44-4		
bis(2-Chloroisopropyl) ether	ND	mg/l	0.01100	12/27/06 23:22	BET	39638-32-9		
2-Chloronaphthalene	ND	mg/l	0.01100	12/27/06 23:22	BET	91-58-7		
2-Chlorophenol	ND	mg/l	0.01100	12/27/06 23:22	BET	95-57-8		
4-Chlorophenylphenyl ether	ND	mg/l	0.01100	12/27/06 23:22	BET	7005-72-3		
Chrysene	ND	mg/l	0.01100	12/27/06 23:22	BET	218-01-9		

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NC Drinking Water	37712	NC Wastewater	85	VA Drinking Water	00424	NC Drinking Water	37706
SC Environmental	99030	VA Drinking Water	00018			SC	99006

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Lab Project Number: 92134506
Client Project ID: R4-01 City Of Statesville 3rd

Lab Sample No: 927816058 | Project Sample Number: 92134506-006 | Date Collected: 12/19/06 14:30
Client Sample ID: MW-9 | Matrix: Water | Date Received: 12/20/06 09:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Dibenz(a,h)anthracene	ND	mg/l	0.01100	12/27/06 23:22	BET	53-70-3		
Dibenzofuran	ND	mg/l	0.01100	12/27/06 23:22	BET	132-64-9		
1,2-Dichlorobenzene	ND	mg/l	0.01100	12/27/06 23:22	BET	95-50-1		
1,3-Dichlorobenzene	ND	mg/l	0.01100	12/27/06 23:22	BET	541-73-1		
1,4-Dichlorobenzene	ND	mg/l	0.01100	12/27/06 23:22	BET	106-46-7		
3,3'-Dichlorobenzidine	ND	mg/l	0.02100	12/27/06 23:22	BET	91-94-1		
2,4-Dichlorophenol	ND	mg/l	0.01100	12/27/06 23:22	BET	120-83-2		
Diethylphthalate	ND	mg/l	0.01100	12/27/06 23:22	BET	84-66-2		
2,4-Dimethylphenol	ND	mg/l	0.01100	12/27/06 23:22	BET	105-67-9		
Dimethylphthalate	ND	mg/l	0.01100	12/27/06 23:22	BET	131-11-3		
Di-n-butylphthalate	ND	mg/l	0.01100	12/27/06 23:22	BET	84-74-2		
4,6-Dinitro-2-methylphenol	ND	mg/l	0.05300	12/27/06 23:22	BET	534-52-1		
2,4-Dinitrophenol	ND	mg/l	0.05300	12/27/06 23:22	BET	51-28-5		
2,4-Dinitrotoluene	ND	mg/l	0.01100	12/27/06 23:22	BET	121-14-2		
2,6-Dinitrotoluene	ND	mg/l	0.01100	12/27/06 23:22	BET	606-20-2		
Di-n-octylphthalate	ND	mg/l	0.01100	12/27/06 23:22	BET	117-84-0		
1,2-Diphenylhydrazine	ND	mg/l	0.02100	12/27/06 23:22	BET	122-66-7		
bis(2-Ethylhexyl)phthalate	ND	mg/l	0.01100	12/27/06 23:22	BET	117-81-7		
Fluoranthene	ND	mg/l	0.01100	12/27/06 23:22	BET	206-44-0		
Fluorene	ND	mg/l	0.01100	12/27/06 23:22	BET	86-73-7		
Hexachloro-1,3-butadiene	ND	mg/l	0.01100	12/27/06 23:22	BET	87-68-3		
Hexachlorobenzene	ND	mg/l	0.01100	12/27/06 23:22	BET	118-74-1		
Hexachlorocyclopentadiene	ND	mg/l	0.01100	12/27/06 23:22	BET	77-47-4		
Hexachloroethane	ND	mg/l	0.01100	12/27/06 23:22	BET	67-72-1		
Indeno(1,2,3-cd)pyrene	ND	mg/l	0.01100	12/27/06 23:22	BET	193-39-5		
Isophorone	ND	mg/l	0.01100	12/27/06 23:22	BET	78-59-1		
1-Methylnaphthalene	ND	mg/l	0.01100	12/27/06 23:22	BET	90-12-0		
2-Methylnaphthalene	ND	mg/l	0.01100	12/27/06 23:22	BET	91-57-6		
2-Methylphenol (o-Cresol)	ND	mg/l	0.01100	12/27/06 23:22	BET	95-48-7		
3&4-Methylphenol	ND	mg/l	0.01100	12/27/06 23:22	BET			
Naphthalene	ND	mg/l	0.01100	12/27/06 23:22	BET	91-20-3		
2-Nitroaniline	ND	mg/l	0.05300	12/27/06 23:22	BET	88-74-4		
3-Nitroaniline	ND	mg/l	0.05300	12/27/06 23:22	BET	99-09-2		
4-Nitroaniline	ND	mg/l	0.05300	12/27/06 23:22	BET	100-01-6		
Nitrobenzene	ND	mg/l	0.01100	12/27/06 23:22	BET	98-95-3		
2-Nitrophenol	ND	mg/l	0.01100	12/27/06 23:22	BET	88-75-5		
4-Nitrophenol	ND	mg/l	0.05300	12/27/06 23:22	BET	100-02-7		
N-Nitrosodimethylamine	ND	mg/l	0.01100	12/27/06 23:22	BET	62-75-9		
N-Nitroso-di-n-propylamine	ND	mg/l	0.01100	12/27/06 23:22	BET	621-64-7		

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NC Drinking Water	37712	NC Wastewater	85	VA Drinking Water	00424	NC Drinking Water	37706
SC Environmental	99030	VA Drinking Water	00018			SC	99006

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Phone: 336.623.8921
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Lab Project Number: 92134506
Client Project ID: R4-01 City Of Statesville 3rd

Lab Sample No: 927816058 | Project Sample Number: 92134506-006 | Date Collected: 12/19/06 14:30
Client Sample ID: MW-9 | Matrix: Water | Date Received: 12/20/06 09:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
N-Nitrosodiphenylamine	ND	mg/l	0.01100	12/27/06 23:22	BET	86-30-6		
Pentachlorophenol	ND	mg/l	0.05300	12/27/06 23:22	BET	87-86-5		
Phenanthrene	ND	mg/l	0.01100	12/27/06 23:22	BET	85-01-8		
Phenol	ND	mg/l	0.01100	12/27/06 23:22	BET	108-95-2		
Pyrene	ND	mg/l	0.01100	12/27/06 23:22	BET	129-00-0		
1,2,4-Trichlorobenzene	ND	mg/l	0.01100	12/27/06 23:22	BET	120-82-1		
2,4,5-Trichlorophenol	ND	mg/l	0.05300	12/27/06 23:22	BET	95-95-4		
2,4,6-Trichlorophenol	ND	mg/l	0.01100	12/27/06 23:22	BET	88-06-2		
Nitrobenzene-d5 (S)	34	%		12/27/06 23:22	BET	4165-60-0		
2-Fluorobiphenyl (S)	41	%		12/27/06 23:22	BET	321-60-8		
Terphenyl-d14 (S)	41	%		12/27/06 23:22	BET	1718-51-0		
Phenol-d5 (S)	14	%		12/27/06 23:22	BET	4165-62-2		
2-Fluorophenol (S)	29	%		12/27/06 23:22	BET	367-12-4		
2,4,6-Tribromophenol (S)	42	%		12/27/06 23:22	BET	118-79-6		
Date Extracted	12/21/06			12/21/06				

GC/MS Volatiles

GC/MS VOCs by 8260 — Method: EPA 8260

Acetone	ND	mg/l	0.02500	01/02/07 15:48	DLK	67-64-1		
Benzene	ND	mg/l	0.00500	01/02/07 15:48	DLK	71-43-2		
Bromobenzene	ND	mg/l	0.00500	01/02/07 15:48	DLK	108-86-1		
Bromochloromethane	ND	mg/l	0.00500	01/02/07 15:48	DLK	74-97-5		
Bromodichloromethane	ND	mg/l	0.00500	01/02/07 15:48	DLK	75-27-4		
Bromoform	ND	mg/l	0.00500	01/02/07 15:48	DLK	75-25-2		
Bromomethane	ND	mg/l	0.00500	01/02/07 15:48	DLK	74-83-9		
2-Butanone (MEK)	ND	mg/l	0.01000	01/02/07 15:48	DLK	78-93-3		
n-Butylbenzene	ND	mg/l	0.00500	01/02/07 15:48	DLK	104-51-8		
sec-Butylbenzene	ND	mg/l	0.00500	01/02/07 15:48	DLK	135-98-8		
tert-Butylbenzene	ND	mg/l	0.00500	01/02/07 15:48	DLK	98-06-6		
Carbon tetrachloride	ND	mg/l	0.00500	01/02/07 15:48	DLK	56-23-5		
Chlorobenzene	ND	mg/l	0.00500	01/02/07 15:48	DLK	108-90-7		
Chloroethane	ND	mg/l	0.01000	01/02/07 15:48	DLK	75-00-3		
Chloroform	ND	mg/l	0.00500	01/02/07 15:48	DLK	67-66-3		
Chloromethane	ND	mg/l	0.00500	01/02/07 15:48	DLK	74-87-3		
2-Chlorotoluene	ND	mg/l	0.00500	01/02/07 15:48	DLK	95-49-8		
4-Chlorotoluene	ND	mg/l	0.00500	01/02/07 15:48	DLK	106-43-4		
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	01/02/07 15:48	DLK	96-12-8		
Dibromochloromethane	ND	mg/l	0.00500	01/02/07 15:48	DLK	124-48-1		
1,2-Dibromoethane (EDB)	ND	mg/l	0.00500	01/02/07 15:48	DLK	106-93-4		

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Lab Project Number: 92134506
Client Project ID: R4-01 City Of Statesville 3rd

Lab Sample No: 927816058 | Project Sample Number: 92134506-006 | Date Collected: 12/19/06 14:30
Client Sample ID: MW-9 | Matrix: Water | Date Received: 12/20/06 09:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Dibromomethane	ND	mg/l	0.00500	01/02/07 15:48	DLK	74-95-3		
1,2-Dichlorobenzene	ND	mg/l	0.00500	01/02/07 15:48	DLK	95-50-1		
1,3-Dichlorobenzene	ND	mg/l	0.00500	01/02/07 15:48	DLK	541-73-1		
1,4-Dichlorobenzene	ND	mg/l	0.00500	01/02/07 15:48	DLK	106-46-7		
Dichlorodifluoromethane	ND	mg/l	0.00500	01/02/07 15:48	DLK	75-71-8		
1,1-Dichloroethane	ND	mg/l	0.00500	01/02/07 15:48	DLK	75-34-3		
1,2-Dichloroethane	ND	mg/l	0.00500	01/02/07 15:48	DLK	107-06-2		
1,1-Dichloroethene	ND	mg/l	0.00500	01/02/07 15:48	DLK	75-35-4		
cis-1,2-Dichloroethene	ND	mg/l	0.00500	01/02/07 15:48	DLK	156-59-2		
trans-1,2-Dichloroethene	ND	mg/l	0.00500	01/02/07 15:48	DLK	156-60-5		
1,2-Dichloropropane	ND	mg/l	0.00500	01/02/07 15:48	DLK	78-87-5		
1,3-Dichloropropane	ND	mg/l	0.00500	01/02/07 15:48	DLK	142-28-9		
2,2-Dichloropropane	ND	mg/l	0.00500	01/02/07 15:48	DLK	594-20-7		
1,1-Dichloropropene	ND	mg/l	0.00500	01/02/07 15:48	DLK	563-58-6		
cis-1,3-Dichloropropene	ND	mg/l	0.00500	01/02/07 15:48	DLK	10061-01-5		
trans-1,3-Dichloropropene	ND	mg/l	0.00500	01/02/07 15:48	DLK	10061-02-6		
Diisopropyl ether	ND	mg/l	0.00500	01/02/07 15:48	DLK	108-20-3		
Ethylbenzene	ND	mg/l	0.00500	01/02/07 15:48	DLK	100-41-4		
Hexachloro-1,3-butadiene	ND	mg/l	0.00500	01/02/07 15:48	DLK	87-68-3		
2-Hexanone	ND	mg/l	0.01000	01/02/07 15:48	DLK	591-78-6		
Isopropylbenzene (Cumene)	ND	mg/l	0.00500	01/02/07 15:48	DLK	98-82-8		
p-Isopropyltoluene	ND	mg/l	0.00500	01/02/07 15:48	DLK	99-87-6		
Methylene chloride	ND	mg/l	0.00500	01/02/07 15:48	DLK	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	mg/l	0.01000	01/02/07 15:48	DLK	108-10-1		
Methyl-tert-butyl ether	ND	mg/l	0.00500	01/02/07 15:48	DLK	1634-04-4		
Naphthalene	ND	mg/l	0.00500	01/02/07 15:48	DLK	91-20-3		
n-Propylbenzene	ND	mg/l	0.00500	01/02/07 15:48	DLK	103-65-1		
Styrene	ND	mg/l	0.00500	01/02/07 15:48	DLK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00500	01/02/07 15:48	DLK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00500	01/02/07 15:48	DLK	79-34-5		
Tetrachloroethene	ND	mg/l	0.00500	01/02/07 15:48	DLK	127-18-4		
Toluene	ND	mg/l	0.00500	01/02/07 15:48	DLK	108-88-3		
1,2,3-Trichlorobenzene	ND	mg/l	0.00500	01/02/07 15:48	DLK	87-61-6		
1,2,4-Trichlorobenzene	ND	mg/l	0.00500	01/02/07 15:48	DLK	120-82-1		
1,1,1-Trichloroethane	ND	mg/l	0.00500	01/02/07 15:48	DLK	71-55-6		
1,1,2-Trichloroethane	ND	mg/l	0.00500	01/02/07 15:48	DLK	79-00-5		
Trichloroethene	ND	mg/l	0.00500	01/02/07 15:48	DLK	79-01-6		
Trichlorofluoromethane	ND	mg/l	0.01000	01/02/07 15:48	DLK	75-69-4		
1,2,3-Trichloropropane	ND	mg/l	0.00500	01/02/07 15:48	DLK	96-18-4		

REPORT OF LABORATORY ANALYSIS

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Asheville Certification IDs	
NC Wastewater	40
NC Drinking Water	37712
SC Environmental	99030

Burlington Certification IDs	
NC Drinking Water	37743
NC Wastewater	85
VA Drinking Water	00018

Eden Certification IDs	
NC Drinking Water	37738
VA Drinking Water	00424

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

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
370 West Meadow Road
Eden, NC 27288
Phone: 336.623.8921
Fax: 336.623.5878

Lab Project Number: 92134506
Client Project ID: R4-01 City Of Statesville 3rd

Lab Sample No: 927816058 | Project Sample Number: 92134506-006 | Date Collected: 12/19/06 14:30
Client Sample ID: MW-9 | Matrix: Water | Date Received: 12/20/06 09:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
1,2,4-Trimethylbenzene	ND	mg/l	0.00500	01/02/07 15:48	DLK	95-63-6		
1,3,5-Trimethylbenzene	ND	mg/l	0.00500	01/02/07 15:48	DLK	108-67-8		
Vinyl acetate	ND	mg/l	0.01000	01/02/07 15:48	DLK	108-05-4		
Vinyl chloride	ND	mg/l	0.00500	01/02/07 15:48	DLK	75-01-4		
m&p-Xylene	ND	mg/l	0.01000	01/02/07 15:48	DLK			
o-Xylene	ND	mg/l	0.00500	01/02/07 15:48	DLK	95-47-6		
Toluene-d8 (S)	96	%		01/02/07 15:48	DLK	2037-26-5		
4-Bromofluorobenzene (S)	93	%		01/02/07 15:48	DLK	460-00-4		
Dibromofluoromethane (S)	110	%		01/02/07 15:48	DLK	1868-53-7		
1,2-Dichloroethane-d4 (S)	108	%		01/02/07 15:48	DLK	17060-07-0		

REPORT OF LABORATORY ANALYSIS

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Asheville Certification IDs		Burlington Certification IDs		Eden Certification IDs		Charlotte Certification IDs	
NC Wastewater	40	NC Drinking Water	37743	NC Drinking Water	37738	NC Wastewater	12
NC Drinking Water	37712	NC Wastewater	85	VA Drinking Water	00424	NC Drinking Water	37706
SC Environmental	99030	VA Drinking Water	00018			SC	99006

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Lab Project Number: 92134506
Client Project ID: R4-01 City Of Statesville 3rd

PARAMETER FOOTNOTES

Method 9071B modified to use ASE.

All pH, Free Chlorine, Total Chlorine and Ferrous Iron analyses conducted outside of EPA recommended immediate hold time.

Depending on the moisture content the PRLs can be elevated for all soil samples reported on a dry weight basis.

2-Chloroethyl vinyl ether has been shown to degrade in the presence of acid.

ND	Not detected at or above adjusted reporting limit
NC	Not Calculable
J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL	Adjusted Method Detection Limit
(S)	Surrogate

REPORT OF LABORATORY ANALYSIS

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SC	99006

CHAIN-OF-CUSTODY / Analytical Request Document

Pace Analytical®

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

Page: 1 of 1

1043807

Section A Required Client Information:

Company: WATERS EAE ENV.
Address: Raleigh, N.C.
Email To: Phil Rahn
Phone: 919-859-9987 Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Phil Rahn
Copy To: "
Purchase Order No.: R4-01
Project Name: City of Statesville 3 Crk
Project Number: R4-01

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☑ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ Other_____

SITE LOCATION ☐GA ☐IL ☐IN ☐MI ☐MN ☑NC ☐OH ☐SC ☐WI ☐OTHER_____

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

92134506

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / .-) Samples IDs MUST BE UNIQUE)	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	8260	8270	624.2 TOC	TDS	5-BOD+N	Nitrate - Nitrogen	Residual Chlorine (Y/N)	Pace Project Number Lab I.D
1	MW-2	WT	G	12-19-06	1245				10	4	3	1	3					✓	✓	✓	✓	✓			927815993
2	MW-3	WT	G	12-19-06	1200				8	2	3	1	3						✓	✓	✓	✓			927816009
3	MW-4	WT	G	12-19-06	1100				8	2	3	1	3						✓	✓	✓	✓			927816017
4	MW-7	WT	G	12-19-06	1530				6	2		1	3					✓	✓			✓			927816025
5	MW-8	WT	G	12-19-06	1330				8	2	3	1	3						✓	✓	✓	✓			927816033
6	MW-9	WT	G	12-19-06	1430				6	2		1	3					✓	✓			✓			927816058
7																									
8																									
9																									
10																									
11																									
12																									

Preservatives

Additional Comments:

2 GL
5 GV
1 MCL
2 IGN
1 INT

2 GL
3 GV
1 MCL

3 GV
1 GN
1 MCL
1 INT
12-20-06

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Thomas F. Haynes / WATERS EAE	12-20-06	0900	Lewis Tage	12/20	910

SAMPLE CONDITION

	Y/N	Y/N	Y/N	Y/N
Temp in °C	5			
Received on Ice	Y/N	Y/N	Y/N	Y/N
Custody Sealed Cooler	Y/N	Y/N	Y/N	Y/N
Samples Intact	Y/N	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Thomas F. Haynes

SIGNATURE of SAMPLER: Thomas F. Haynes

DATE Signed (MM / DD / YY): 12-19-06

SEE REVERSE SIDE FOR INSTRUCTIONS

ORIGINAL

AI-0020rev.3.31Mar05