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BC	6/14/03	DIN

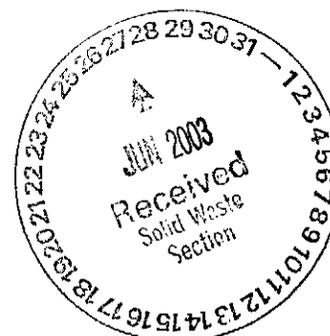
Groundwater and Surface Water Monitoring Report

Old Avery County Landfill
Newland, North Carolina

ETPA Project No: 90-247(E)

-Prepared for-

County of Avery
PO Box 640
Newland, North Carolina 28657



June 12, 2003



Engineering Tectonics, P.A.
Environmental Geotechnical and Drilling Services
1720 Vargrave Street
Winston-Salem, North Carolina 27107
(336) 724-6994

Groundwater Monitoring Well and Stream Sampling

On May 7, 2003 Engineering Tectonics, P.A. (ETPA) personnel mobilized to the former Avery County Sanitary Landfill to sample three (3) groundwater monitoring wells MW-1, MW-2, and MW-3; and to collect two (2) stream samples STR-1 and STR-2, per North Carolina Department of Environment and Natural Resources (NCDENR) permit #06-02. Please refer to Figure 1 for a site location map. The first stream sample (STR-1) was collected upstream of MW-3 from a branch of Brushy Creek immediately bordering the site. The second stream sample (STR-2) was collected from Brushy Creek downstream of the landfill. See Figure 2 for a site map of the landfill with sample locations shown.

The depth to water was measured in each monitoring well, and each well was purged prior to sampling with a new, disposable, Teflon bailer. A minimum of three volumes of water was purged from each well. All water samples were collected according to EPA sampling protocols. The samples were packed on ice, and sent to an analytical laboratory, using EPA approved chain of custody procedures. The samples were submitted for analysis using EPA method 8260, chloride, fluoride, nitrate, TDS, sulfate, arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver. Field measurements of pH and specific conductivity were also collected. Standard Procedures for Groundwater Sampling are included in Appendix A.

Ground Water Static Levels

Static water levels were measured as 8.34, 4.19, and 6.11 feet for monitoring wells MW-1, MW-2, and MW-3, respectively (see Table 1). A groundwater contour map is included as Figure 3.

Laboratory Results

Field measurements and laboratory results for groundwater and stream samples are presented in Tables 2 and 3. Field measurements indicate that all three monitoring wells, MW-1, MW-2, and MW-3, indicated pH readings of 6.2, 5.8 and 6.2, respectively, which are out of the 2L allowable range. The allowable range for a pH measurement is from 6.5 to 8.5 and is set by NCDENR.

Laboratory results indicated that the sample obtained from MW-1 and MW-2 indicated a lead concentration of 0.017 and 0.024 ppm which is above the 2L Standard Limit for lead of 0.015 ppm. All other constituents analyzed for were either below method detection limits or non-detect.

Both stream samples showed no concentrations of any compounds above the appropriate 2L Standards. All well and stream samples were Non-Detect (ND) for EPA Method 8260 for volatile organics. A copy of all laboratory results is included for reference in Appendix B.

Limitations and Certification

This report has been prepared for the exclusive use of **Avery County** for specific application to the subject site. The report was prepared in accordance with generally accepted standards of practice for environmental services in this region of the United States. No other warranty, either expressed or implied, is made. This report is not to be reproduced, either in whole or in part, without written consent from ENGINEERING TECTONICS, P.A.

Our on-site observations pertain only to specific locations, at specific times, on specific dates. Our observations and conclusions do not reflect variations in unverified and/or subsurface conditions that may exist at or between sampling and/or observation locations, or at times other than those represented by our observations.

In providing this report, ENGINEERING TECTONICS, P.A. does not assume any responsibilities of the party, or parties, deemed legally responsible for the subject site. It is not the responsibility of ENGINEERING TECTONICS, P.A. to report our findings to any other person or persons, including conditions that may present a potential danger to public health, safety, or the environment, as may be required by law.

THIS PROJECT HAS BEEN CONDUCTED UNDER THE SUPERVISION OF A NC LICENSED REGISTERED GEOLOGIST PER NORTH CAROLINA REGULATIONS.

Prepared by:



Date:

6-24-03

Kevin Puckett
Staff Geologist



Daniel P. Bowser, P.E.
Environmental Services



Date:

6-24-03

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Tables

Table 1
Groundwater Elevations

MW-1	24'	76.98	8.34	68.64
MW-2	15'	79.29	4.19	75.10
MW-3	15'	100.00	6.11	93.89

Notes:

All measurements are in feet and are taken from each well's top of PVC casing (TOC), with the exception of MW-2, measurements for this point were taken from the top of the metal outer casing of the well.

Survey conducted on 10/29/98.

MW-3 was used as a temporary bench mark with an assumed elevation of 100.00 feet

Table 2

Groundwater Monitoring Well Laboratory Results

7-May-03

Chloride	22	13	9.3	250
Fluoride	<1.0	<1.0	<1.0	2
Nitrate	0.14	0.07	0.18	10
pH (Field)	6.2	5.8	6.2	6.5-8.5
Specific Conductivity (Field)	200	70	150	
Total Dissolved Residue	92	55	70	
Sulfate	13	16	12	250
Arsenic	ND	ND	0.01	0.05
Barium	0.46	0.044	0.16	2
Cadmium	0.005	ND	0.009	0.005
Chromium	0.008	ND	0.01	0.05
Lead	0.017	0.024	0.012	0.015
Mercury	0.0004	<0.0002	<0.0002	0.0011
Selenium	ND	ND	ND	0.05
Silver	ND	ND	ND	0.018

*Results are presented in parts per million (ppm) unless otherwise specified.
Results presented in **BOLD** are in violation of 2L standards.
ND = Not Detected at the report limit.*

Table 3

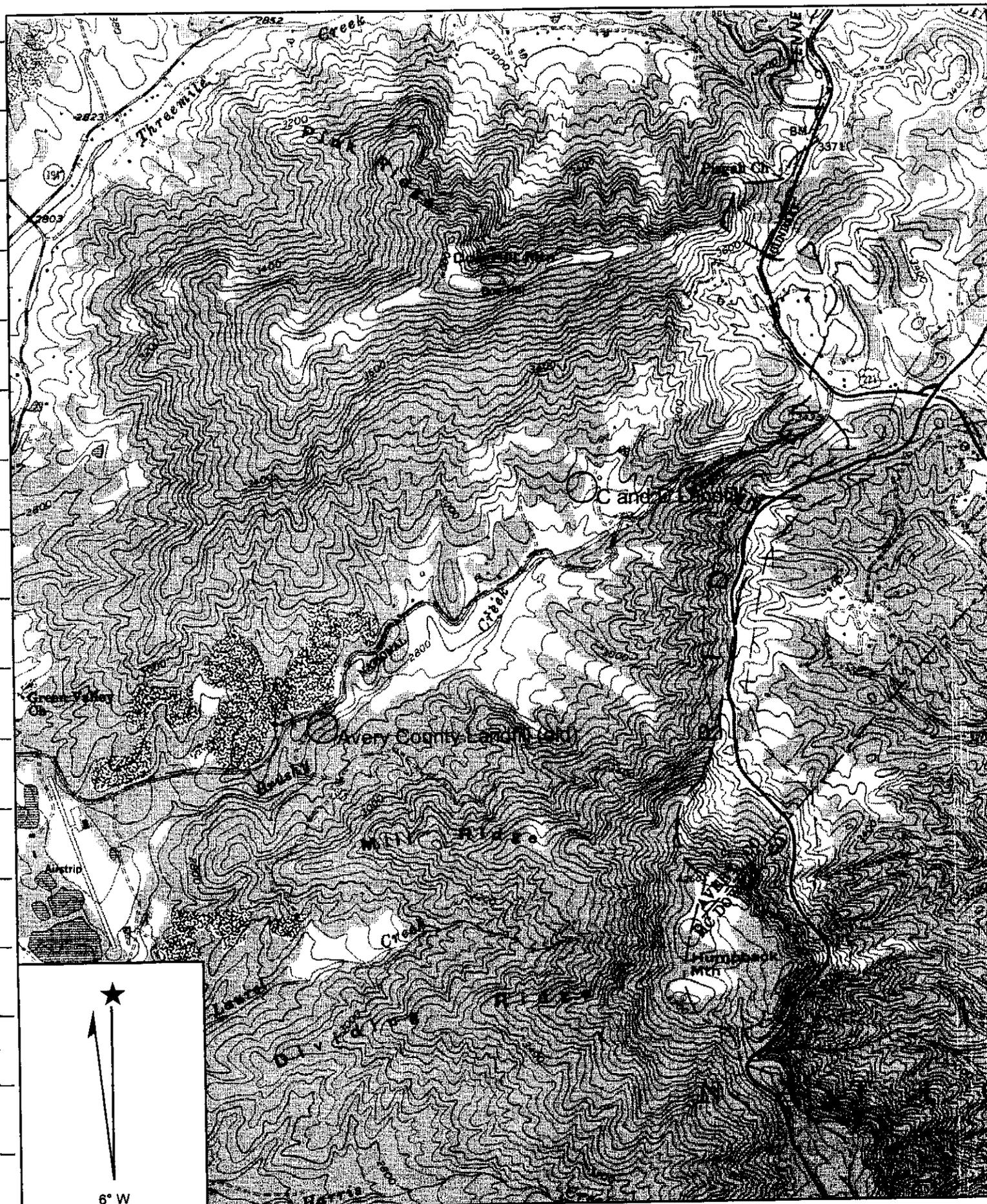
Stream Sampling Laboratory Results

7-May-03

Chloride	1.4	2.2	230
Fluoride	<1.0	<1.0	1.8
Nitrate	1.12	<.25	10
pH	6.9	6.7	6.0-9.0
Specific Conductivity	70	40	
Total Dissolved Residue	42	<25	
Sulfate	14	15	250
Arsenic	ND	ND	0.05
Barium	0.15	0.034	1
Cadmium	ND	ND	0.0004
Chromium	ND	ND	0.05
Lead	0.007	ND	0.025
Mercury	<0.0002	<0.0002	0.000012
Selenium	ND	ND	0.005
Silver	ND	ND	0.00006

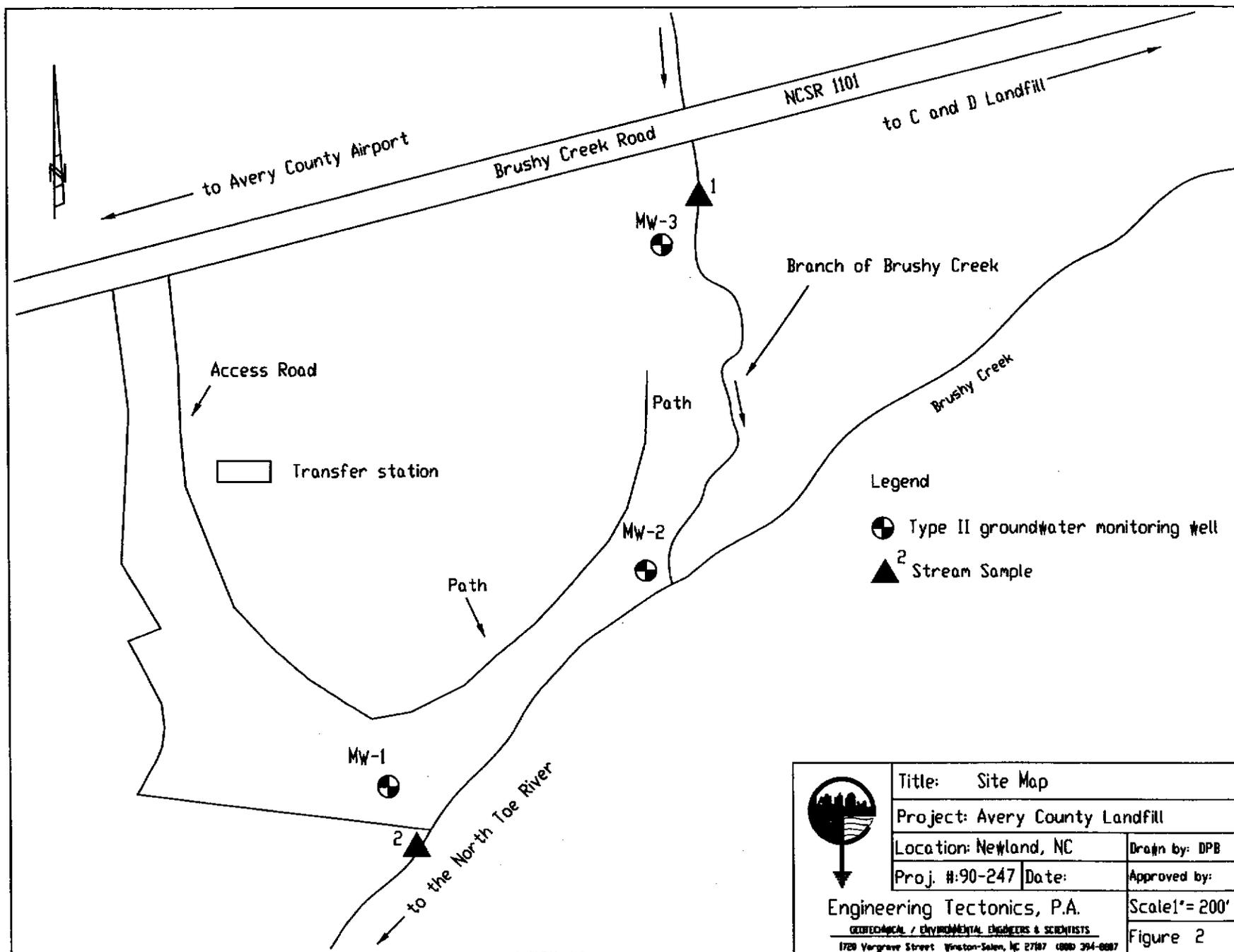
*Results are presented in parts per million (ppm) unless otherwise specified.
Results presented in **BOLD** are in violation of surface water standards.
ND = Not Detected, Below Method Detection Limits.*

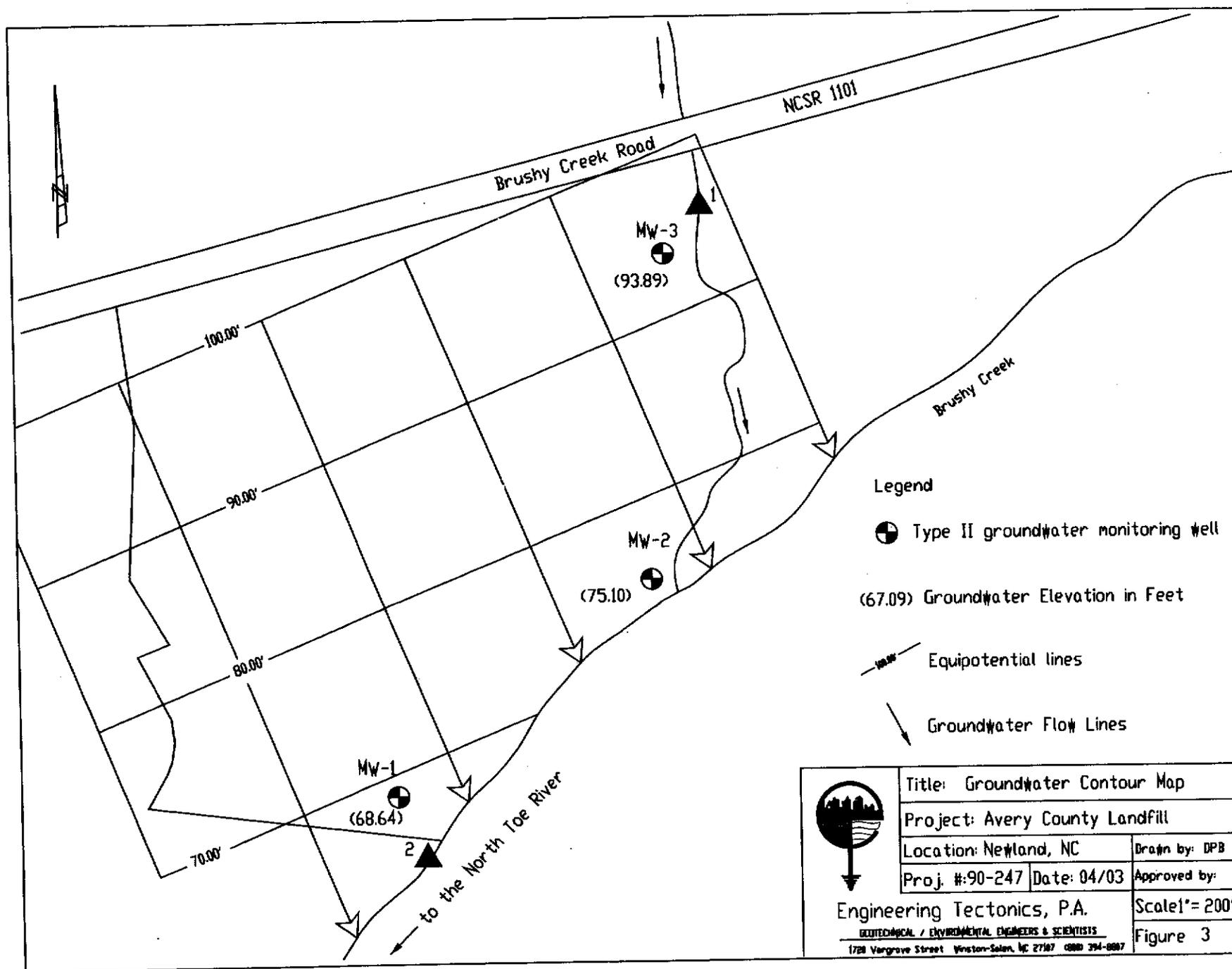
Figures



Name: LINVILLE FALLS
Date: 5/30/2003
Scale: 1 inch equals 2000 feet

Location: 035° 57' 22.5" N 081° 58' 23.1" W
Caption: FIGURE 1 SITE LOCATION MAP





Appendix A

ENGINEERING TECTONICS, PA

Standard Procedures SP-7

Field Procedures For Collection of Ground Water Samples



Engineering Tectonics, P.A.
Environmental, Geotechnical, and Drilling Services
1720 Vargrave Street
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Field Procedures for the Collection of Groundwater Samples

1.0 PURPOSE

To establish a standard procedure for collection of groundwater samples.

2.0 SCOPE

The following procedure describes the logistics, collection techniques and documentation requirements for collecting ground water samples.

3.0 RESPONSIBILITY

Project Manager, Project Hydrogeologist, and Field Sampling Technicians.

4.0 SUPPORTING PROCEDURES

SP-2 Chain-of-Custody Procedures.

SP-4 Soil and Water Sample Preservation Procedures

5.0 REQUIRED FORMS

Chain-of-Custody forms.

6.0 PROCEDURE

6.1 Selection of Sampling Locations

Groundwater sampling locations in and around a contaminated site are typically existing domestic, production, and groundwater monitoring wells. The location of new groundwater sampling points will be based upon the review of existing site geohydrological data, the results of preliminary site surveys, and the initial estimates of the extent of contamination. The groundwater sampling locations will be chosen by the project geologist/engineer. If possible, one upgradient and three downgradient samples from the uppermost aquifer will be taken.

6.2 Equipment List

1. Latex gloves and any other personal safety equipment specified in the Site Health and Safety Plan.
2. Sample containers. Number and kind will depend on the analytical requirements.
3. Device to measure water levels in wells to within 0.01 feet. Typically an electronic water level indicator, is used.
4. Field notebook.
5. Sample bottle labels.
6. A disposable bailer or pump to evacuate the wells.
7. Teflon or PVC bailer with polypropylene or stainless steel cable or a peristaltic pump with Teflon tubing, as appropriate.
8. 50-foot length of garden hose (needed only when sampling from domestic, production and other wells where the sample will be obtained from the existing well pump).

6.3 Sample Collection

Prior to the evacuation of groundwater from any well, the depth to water shall be measured to the nearest 0.01 feet. An electric water sensing device shall be used for this purpose. The device must be decontaminated to avoid cross-contamination of the well. The depth to water is typically measured from a reference point established on the top of the inner well casing and is recorded. The depth of the well bottom shall be sounded and the depth recorded to ascertain the well's integrity and any siltation problems.

To introduce fresh formation water into the well, a minimum of three well volumes must be evacuated from the well prior to sampling. If a well is evacuated dry prior to removing four well volumes, the evacuation is considered complete and the well is allowed to recharge. Evacuation is accomplished by bailing with a large volume (1.5 liter) bailer, or by pumping.. Whichever method is used, it must be assured that any materials (hose, bailer, tubing, pumps, rope, etc.) entering the well be clean. If the same device is being used to evacuate a number of wells, the device must be cleaned with detergent and water, and deionized water between each well to prevent cross-contamination.

The sampling procedure for groundwater is as follows:

Prior to collecting any water samples, place a waterproof sample label on each clean container with the following information:

- Project Number
- Project Name
- Sample No.
- Date
- Analysis Required
- Preservative:
- Collection Time
- Initials of Collector

Fill in the information with a waterproof ink pen. This will prevent difficulty in filling out labels on a wet jar after it is filled.

Collect the groundwater sample using a clean bailer. Latex gloves shall be worn during this procedure.

The vials for volatile organic analysis should always be filled with the initial bailer of water. When filling the 40 ml septum vials, care should be exercised to eliminate the formation of air bubbles. Slightly over-fill the vial, and screw on the cap. Then turn the vial upside down and tap lightly to check for air bubbles. Air bubbles of any size should not rise to the bottom of the vial. Air bubbles can introduce error in the final laboratory results. If air bubbles are present, top off the vial and close the cap, repeat until no air is present.

Fill all the remaining containers directly from the bailer, unless the well is to be sampled in duplicate. If a duplicate water sample is required, the water should be composited in a large clean container, prior to filling the sample bottles. Samples requiring volatile organic analysis should not be composited, however, an attempt should be made to fill all the vials with the initial bailer of water.

Avoid overflow of the bottles or jars already containing preservative (pre-preserved).

If dissolved metals analysis are required, an extra bottle (no preservative) will be filled and the metals container (pre-preserved with nitric acid) will remain empty.

If samples have not been pre-preserved, preserve them as soon as possible after collection and preparation.

Place all sample containers into a shipping container, cool with ice packs and complete the Chain-of-Custody form.

Detail in the field notebook the following:

- Sample identification number
- Time and date of sampling
- Personnel performing task
- Depth to water table
- Amount evacuated from well
- Other pertinent observations

Make sure the well is secured after sampling.

If sampling devices are to be dedicated to a particular sample location, they will be placed in a plastic bag after their use and marked or tagged:

DEDICATED TO PROJECT NO.

SAMPLE LOCATION NO.

Calibration of field instruments and field chemistry measurements such as pH shall be recorded.



Appendix B

5/20/03

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ETPA
Kevin Puckett
1720 Vargrave Street
Winston-Salem, NC 27107

Customer Project ID: **AVERY COUNTY**
Customer Sample ID: **STREAM-1**
Prism Sample ID: **AC81882**
Login Group: **AO516K8**
Sample Collection Date/Time: **5/7/03 11:15**
Lab Submittal Date/Time: **5/8/03 17:00**

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
ARSENIC	Not detected	mg/L	0.010	6010B	5/12/03 18:14	MSC
BARIUM	0.15	mg/L	0.010	6010B	5/12/03 18:14	MSC
CADMIUM	Not detected	mg/L	0.001	6010B	5/12/03 18:14	MSC
CHROMIUM	Not detected	mg/L	0.005	6010B	5/12/03 18:14	MSC
LEAD	0.007	mg/L	0.005	6010B	5/12/03 18:14	MSC
SELENIUM	Not detected	mg/L	0.010	6010B	5/12/03 18:14	MSC
SILVER	Not detected	mg/L	0.005	6010B	5/12/03 18:14	MSC
MERCURY DIGESTION	Completed			EPA 245.1	5/16/03 08:35	MBS
MERCURY, TOTAL	Less than	mg/L	0.0002	EPA 245.1	5/16/03 16:03	MSC
CHLORIDE	1.4	mg/L	1.0	EPA 300.0	5/13/03 02:44	MLL
FLUORIDE	Less than	mg/L	1.0	EPA 300.0	5/13/03 02:44	MLL
SULFATE	14	mg/L	1.0	EPA 300.0	5/13/03 02:44	MLL
TOTAL DISSOLVED RESIDUE	42	mg/L	20	SM 2540C	5/9/03 21:57	AJR
NITRATE BY AA3	1.12	mg/L	0.25	SM 4500 NO3 F	5/9/03 22:33	BCF
METALS DIGEST-SURFACE/GROUNDW	Completed			SW846-3010A	5/12/03 09:30	LRD
BENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 19:30	LNE
BROMOBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 19:30	LNE
BROMOCHLOROMETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 19:30	LNE
BROMODICHLOROMETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 19:30	LNE
BROMOFORM	Not detected	ug/L	5.0	SW846-8260B	5/12/03 19:30	LNE
BROMOMETHANE	Not detected	ug/L	10	SW846-8260B	5/12/03 19:30	LNE
N-BUTYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 19:30	LNE
SEC-BUTYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 19:30	LNE
TERT-BUTYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 19:30	LNE
CHLOROBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 19:30	LNE
CHLORODIBROMOMETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 19:30	LNE
CHLOROETHANE	Not detected	ug/L	10	SW846-8260B	5/12/03 19:30	LNE
CHLOROFORM	Not detected	ug/L	5.0	SW846-8260B	5/12/03 19:30	LNE
CHLOROMETHANE	Not detected	ug/L	10	SW846-8260B	5/12/03 19:30	LNE

5/20/03

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ETPA

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1720 Vargrave Street

Winston-Salem, NC 27107

Customer Project ID: AVERY COUNTY

Customer Sample ID: STREAM-1

Prism Sample ID: AC81882

Login Group: AO516K8

Sample Collection Date/Time: 5/7/03 11:15

Lab Submittal Date/Time: 5/8/03 17:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
2-CHLOROTOLUENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 19:30	LNE
4-CHLOROTOLUENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 19:30	LNE
1,2-DIBROMO-3-CHLOROPROPANE	Not detected	ug/L	10	SW846-8260B	5/12/03 19:30	LNE
1,2-DIBROMOETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 19:30	LNE
DIBROMOMETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 19:30	LNE
1,2-DICHLOROBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 19:30	LNE
1,3-DICHLOROBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 19:30	LNE
1,4-DICHLOROBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 19:30	LNE
DICHLORODIFLUOROMETHANE	Not detected	ug/L	10	SW846-8260B	5/12/03 19:30	LNE
1,1-DICHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 19:30	LNE
1,2-DICHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 19:30	LNE
1,1-DICHLOROETHENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 19:30	LNE
CIS-1,2-DICHLOROETHENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 19:30	LNE
TRANS-1,2-DICHLOROETHENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 19:30	LNE
1,2-DICHLOROPROPANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 19:30	LNE
1,3-DICHLOROPROPANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 19:30	LNE
2,2-DICHLOROPROPANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 19:30	LNE
1,1-DICHLOROPROPENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 19:30	LNE
ETHYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 19:30	LNE
HEXACHLOROBUTADIENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 19:30	LNE
ISOPROPYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 19:30	LNE
P-ISOPROPYLTOLUENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 19:30	LNE
METHYLENE CHLORIDE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 19:30	LNE
NAPHTHALENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 19:30	LNE
N-PROPYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 19:30	LNE
STYRENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 19:30	LNE
1,1,1,2-TETRACHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 19:30	LNE
1,1,2,2-TETRACHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 19:30	LNE
TETRACHLOROETHENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 19:30	LNE
TOLUENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 19:30	LNE
1,2,3-TRICHLOROBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 19:30	LNE

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

5/20/03

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ETPA
 Kevin Puckett
 1720 Vargrave Street
 Winston-Salem, NC 27107

Customer Project ID: **AVERY COUNTY**
 Customer Sample ID: **STREAM-1**
 Prism Sample ID: **AC81882**
 Login Group: **AO516K8**
 Sample Collection Date/Time: 5/7/03 11:15
 Lab Submittal Date/Time: 5/8/03 17:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
1,2,4-TRICHLOROBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 19:30	LNE
1,1,1-TRICHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 19:30	LNE
1,1,2-TRICHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 19:30	LNE
TRICHLOROETHENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 19:30	LNE
TRICHLOROFLUOROMETHANE	Not detected	ug/L	10	SW846-8260B	5/12/03 19:30	LNE
1,2,3-TRICHLOROPROPANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 19:30	LNE
1,2,4-TRIMETHYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 19:30	LNE
1,3,5-TRIMETHYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 19:30	LNE
VINYL CHLORIDE	Not detected	ug/L	10	SW846-8260B	5/12/03 19:30	LNE
TOTAL XYLENES	Not detected	ug/L	5.0	SW846-8260B	5/12/03 19:30	LNE
cis-1,3-DICHLOROPROPENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 19:30	LNE
trans-1,3-DICHLOROPROPENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 19:30	LNE
ACETONE	Not detected	ug/L	50	SW846-8260B	5/12/03 19:30	LNE
2-BUTANONE (MEK)	Not detected	ug/L	10	SW846-8260B	5/12/03 19:30	LNE
CARBON DISULFIDE	Not detected	ug/L	50	SW846-8260B	5/12/03 19:30	LNE
CARBON TETRACHLORIDE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 19:30	LNE
2-CHLOROETHYLVINYLEETHER	Not detected	ug/L	10	SW846-8260B	5/12/03 19:30	LNE
2-HEXANONE	Not detected	ug/L	10	SW846-8260B	5/12/03 19:30	LNE
4-METHYL-2-PENTANONE (MIBK)	Not detected	ug/L	10	SW846-8260B	5/12/03 19:30	LNE
MTBE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 19:30	LNE
IPE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 19:30	LNE

5/20/03

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ETPA

Kevin Puckett

1720 Vargrave Street

Winston-Salem, NC 27107

Customer Project ID: **AVERY COUNTY**

Customer Sample ID: **STREAM-1**

Prism Sample ID: **AC81882**

Login Group: **AO516K8**

Sample Collection Date/Time: **5/7/03 11:15**

Lab Submittal Date/Time: **5/8/03 17:00**

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
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Sample Comments:

Nitrate Notation: The sample portion for nitrate was analyzed for nitrite within the 48 hour holding time for the test. The sample was then preserved and the total nitrate/nitrite analysis performed later, within the holding time for a preserved sample. The nitrate value was calculated from the total nitrate/nitrite and nitrite results.

Nitrate: Matrix Spikes for this sample batch were out of acceptable limits at 64%. All other QC criteria for the batch were within acceptable limits. Matrix interference is suspected.

Fluoride Comment: Samples were run undistilled due to limited sample volume.



Angela D. Overcash, V.P. Laboratory Services

5/20/03

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ETPA

Kevin Puckett

1720 Vargrave Street

Winston-Salem, NC 27107

Customer Project ID: AVERY COUNTY

Customer Sample ID: STREAM-2

Prism Sample ID: AC81883

Login Group: AO516K8

Sample Collection Date/Time: 5/7/03 12:00

Lab Submittal Date/Time: 5/8/03 17:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
ARSENIC	Not detected	mg/L	0.010	6010B	5/12/03 18:19	MSC
BARIUM	0.034	mg/L	0.010	6010B	5/12/03 18:19	MSC
CADMIUM	Not detected	mg/L	0.001	6010B	5/12/03 18:19	MSC
CHROMIUM	Not detected	mg/L	0.005	6010B	5/12/03 18:19	MSC
LEAD	Not detected	mg/L	0.005	6010B	5/12/03 18:19	MSC
SELENIUM	Not detected	mg/L	0.010	6010B	5/12/03 18:19	MSC
SILVER	Not detected	mg/L	0.005	6010B	5/12/03 18:19	MSC

MERCURY DIGESTION	Completed			EPA 245.1	5/16/03 08:35	MBS
MERCURY, TOTAL	Less than	mg/L	0.0002	EPA 245.1	5/16/03 16:07	MSC
CHLORIDE	2.2	mg/L	1.0	EPA 300.0	5/13/03 03:02	MLL
FLUORIDE	Less than	mg/L	1.0	EPA 300.0	5/13/03 03:02	MLL
SULFATE	15	mg/L	1.0	EPA 300.0	5/13/03 03:02	MLL
TOTAL DISSOLVED RESIDUE	Less than	mg/L	25	SM 2540C	5/9/03 22:05	AJR
NITRATE BY AA3	Less than	mg/L	0.25	SM 4500 NO3 F	5/9/03 22:33	BCF
METALS DIGEST-SURFACE/GROUNDW	Completed			SW846-3010A	5/12/03 09:30	LRD
BENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 20:04	LNE
BROMOBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 20:04	LNE
BROMOCHLOROMETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 20:04	LNE
BROMODICHLOROMETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 20:04	LNE
BROMOFORM	Not detected	ug/L	5.0	SW846-8260B	5/12/03 20:04	LNE
BROMOMETHANE	Not detected	ug/L	10	SW846-8260B	5/12/03 20:04	LNE
N-BUTYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 20:04	LNE
SEC-BUTYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 20:04	LNE
TERT-BUTYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 20:04	LNE
CHLOROENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 20:04	LNE
CHLORODIBROMOMETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 20:04	LNE
CHLOROETHANE	Not detected	ug/L	10	SW846-8260B	5/12/03 20:04	LNE
CHLOROFORM	Not detected	ug/L	5.0	SW846-8260B	5/12/03 20:04	LNE
CHLOROMETHANE	Not detected	ug/L	10	SW846-8260B	5/12/03 20:04	LNE

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Customer Project ID: AVERY COUNTY

Kevin Puckett

Customer Sample ID: STREAM-2

1720 Vargrave Street

Prism Sample ID: AC81883

Winston-Salem, NC 27107

Login Group: AO516K8

Sample Collection Date/Time: 5/7/03 12:00

Lab Submittal Date/Time: 5/8/03 17:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
2-CHLOROTOLUENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 20:04	LNE
4-CHLOROTOLUENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 20:04	LNE
1,2-DIBROMO-3-CHLOROPROPANE	Not detected	ug/L	10	SW846-8260B	5/12/03 20:04	LNE
1,2-DIBROMOETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 20:04	LNE
DIBROMOMETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 20:04	LNE
1,2-DICHLOROBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 20:04	LNE
1,3-DICHLOROBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 20:04	LNE
1,4-DICHLOROBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 20:04	LNE
DICHLORODIFLUOROMETHANE	Not detected	ug/L	10	SW846-8260B	5/12/03 20:04	LNE
1,1-DICHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 20:04	LNE
1,2-DICHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 20:04	LNE
1,1-DICHLOROETHENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 20:04	LNE
CIS-1,2-DICHLOROETHENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 20:04	LNE
TRANS-1,2-DICHLOROETHENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 20:04	LNE
1,2-DICHLOROPROPANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 20:04	LNE
1,3-DICHLOROPROPANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 20:04	LNE
2,2-DICHLOROPROPANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 20:04	LNE
1,1-DICHLOROPROPENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 20:04	LNE
ETHYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 20:04	LNE
HEXACHLOROBUTADIENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 20:04	LNE
ISOPROPYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 20:04	LNE
P-ISOPROPYLTOLUENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 20:04	LNE
METHYLENE CHLORIDE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 20:04	LNE
NAPHTHALENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 20:04	LNE
N-PROPYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 20:04	LNE
STYRENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 20:04	LNE
1,1,1,2-TETRACHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 20:04	LNE
1,1,2,2-TETRACHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 20:04	LNE
TETRACHLOROETHENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 20:04	LNE
TOLUENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 20:04	LNE
1,2,3-TRICHLOROBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 20:04	LNE

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

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Kevin Puckett

1720 Vargrave Street

Winston-Salem, NC 27107

Customer Project ID: AVERY COUNTY

Customer Sample ID: STREAM-2

Prism Sample ID: AC81883

Login Group: AO516K8

Sample Collection Date/Time: 5/7/03 12:00

Lab Submittal Date/Time: 5/8/03 17:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
1,2,4-TRICHLOROBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 20:04	LNE
1,1,1-TRICHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 20:04	LNE
1,1,2-TRICHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 20:04	LNE
TRICHLOROETHENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 20:04	LNE
TRICHLOROFLUOROMETHANE	Not detected	ug/L	10	SW846-8260B	5/12/03 20:04	LNE
1,2,3-TRICHLOROPROPANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 20:04	LNE
1,2,4-TRIMETHYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 20:04	LNE
1,3,5-TRIMETHYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 20:04	LNE
VINYL CHLORIDE	Not detected	ug/L	10	SW846-8260B	5/12/03 20:04	LNE
TOTAL XYLENES	Not detected	ug/L	5.0	SW846-8260B	5/12/03 20:04	LNE
cis-1,3-DICHLOROPROPENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 20:04	LNE
trans-1,3-DICHLOROPROPENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 20:04	LNE
ACETONE	Not detected	ug/L	50	SW846-8260B	5/12/03 20:04	LNE
2-BUTANONE (MEK)	Not detected	ug/L	10	SW846-8260B	5/12/03 20:04	LNE
CARBON DISULFIDE	Not detected	ug/L	50	SW846-8260B	5/12/03 20:04	LNE
CARBON TETRACHLORIDE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 20:04	LNE
2-CHLOROETHYLVINYLETHER	Not detected	ug/L	10	SW846-8260B	5/12/03 20:04	LNE
2-HEXANONE	Not detected	ug/L	10	SW846-8260B	5/12/03 20:04	LNE
4-METHYL-2-PENTANONE (MIBK)	Not detected	ug/L	10	SW846-8260B	5/12/03 20:04	LNE
MTBE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 20:04	LNE
IPE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 20:04	LNE

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Kevin Puckett

1720 Vargrave Street

Winston-Salem, NC 27107

Customer Project ID: AVERY COUNTY

Customer Sample ID: STREAM-2

Prism Sample ID: AC81883

Login Group: AO516K8

Sample Collection Date/Time: 5/7/03 12:00

Lab Submittal Date/Time: 5/8/03 17:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
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Sample Comments:

Nitrate Notation: The sample portion for nitrate was analyzed for nitrite within the 48 hour holding time for the test. The sample was then preserved and the total nitrate/nitrite analysis performed later, within the holding time for a preserved sample. The nitrate value was calculated from the total nitrate/nitrite and nitrite results.

Nitrate: Matrix Spikes for this sample batch were out of acceptable limits at 64%. All other QC criteria for the batch were within acceptable limits. Matrix interference is suspected.

Total Dissolved Solids Notation: %RPD was outside acceptable criteria due to the low weight of sample residue.

Fluoride Comment: Samples were run undistilled due to limited sample volume.



Angela D. Overcash, V.P. Laboratory Services

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ETPA
 Kevin Puckett
 1720 Vargrave Street
 Winston-Salem, NC 27107

Customer Project ID: **AVERY COUNTY**
 Customer Sample ID: **MW-1**
 Prism Sample ID: **AC81876**
 Login Group: **AO516K8**
 Sample Collection Date/Time: **5/7/03 09:00**
 Lab Submittal Date/Time: **5/8/03 17:00**

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
ARSENIC	Not detected	mg/L	0.010	6010B	5/12/03 18:03	MSC
BARIUM	0.46	mg/L	0.010	6010B	5/12/03 18:03	MSC
CADMIUM	0.005	mg/L	0.001	6010B	5/12/03 18:03	MSC
CHROMIUM	0.008	mg/L	0.005	6010B	5/12/03 18:03	MSC
LEAD	0.017	mg/L	0.005	6010B	5/12/03 18:03	MSC
SELENIUM	Not detected	mg/L	0.010	6010B	5/12/03 18:03	MSC
SILVER	Not detected	mg/L	0.005	6010B	5/12/03 18:03	MSC

MERCURY, TOTAL	0.0004	mg/L	0.0002	EPA 245.1	5/16/03 15:24	MSC
MERCURY DIGESTION	Completed			EPA 245.1	5/16/03 08:35	MBS
CHLORIDE	22	mg/L	1.0	EPA 300.0	5/12/03 22:21	MLL
FLUORIDE	Less than	mg/L	1.0	EPA 300.0	5/12/03 22:21	MLL
SULFATE	13	mg/L	1.0	EPA 300.0	5/12/03 22:21	MLL
TOTAL DISSOLVED RESIDUE	92	mg/L	25	SM 2540C	5/9/03 21:40	AJR
NITRATE BY AA3	0.14	mg/L	0.05	SM 4500 NO3 F	5/9/03 22:33	BCF
METALS DIGEST-SURFACE/GROUNDW	Completed			SW846-3010A	5/12/03 09:30	LRD
BENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:06	LNE
BROMOBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:06	LNE
BROMOCHLOROMETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:06	LNE
BROMODICHLOROMETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:06	LNE
BROMOFORM	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:06	LNE
BROMOMETHANE	Not detected	ug/L	10	SW846-8260B	5/12/03 16:06	LNE
N-BUTYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:06	LNE
SEC-BUTYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:06	LNE
TERT-BUTYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:06	LNE
CHLOROBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:06	LNE
CHLORODIBROMOMETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:06	LNE
CHLOROETHANE	Not detected	ug/L	10	SW846-8260B	5/12/03 16:06	LNE
CHLOROFORM	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:06	LNE
CHLOROMETHANE	Not detected	ug/L	10	SW846-8260B	5/12/03 16:06	LNE

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

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Kevin Puckett

1720 Vargrave Street

Winston-Salem, NC 27107

Customer Project ID: AVERY COUNTY

Customer Sample ID: MW-1

Prism Sample ID: AC81876

Login Group: AO516K8

Sample Collection Date/Time: 5/7/03 09:00

Lab Submittal Date/Time: 5/8/03 17:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
2-CHLOROTOLUENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:06	LNE
4-CHLOROTOLUENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:06	LNE
1,2-DIBROMO-3-CHLOROPROPANE	Not detected	ug/L	10	SW846-8260B	5/12/03 16:06	LNE
1,2-DIBROMOETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:06	LNE
DIBROMOMETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:06	LNE
1,2-DICHLOROBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:06	LNE
1,3-DICHLOROBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:06	LNE
1,4-DICHLOROBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:06	LNE
DICHLORODIFLUOROMETHANE	Not detected	ug/L	10	SW846-8260B	5/12/03 16:06	LNE
1,1-DICHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:06	LNE
1,2-DICHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:06	LNE
1,1-DICHLOROETHENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:06	LNE
CIS-1,2-DICHLOROETHENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:06	LNE
TRANS-1,2-DICHLOROETHENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:06	LNE
1,2-DICHLOROPROPANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:06	LNE
1,3-DICHLOROPROPANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:06	LNE
2,2-DICHLOROPROPANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:06	LNE
1,1-DICHLOROPROPENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:06	LNE
ETHYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:06	LNE
HEXACHLOROBTADIENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:06	LNE
ISOPROPYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:06	LNE
P-ISOPROPYLTOLUENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:06	LNE
METHYLENE CHLORIDE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:06	LNE
NAPHTHALENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:06	LNE
N-PROPYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:06	LNE
STYRENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:06	LNE
1,1,1,2-TETRACHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:06	LNE
1,1,2,2-TETRACHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:06	LNE
TETRACHLOROETHENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:06	LNE
TOLUENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:06	LNE
1,2,3-TRICHLOROBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:06	LNE

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

5/20/03
 ETPA
 Kevin Puckett
 1720 Vargrave Street
 Winston-Salem, NC 27107

Customer Project ID: **AVERY COUNTY**
 Customer Sample ID: **MW-1**
 Prism Sample ID: **AC81876**
 Login Group: **AO516K8**
 Sample Collection Date/Time: **5/7/03 09:00**
 Lab Submittal Date/Time: **5/8/03 17:00**

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
1,2,4-TRICHLOROBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:06	LNE
1,1,1-TRICHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:06	LNE
1,1,2-TRICHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:06	LNE
TRICHLOROETHENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:06	LNE
TRICHLOROFLUOROMETHANE	Not detected	ug/L	10	SW846-8260B	5/12/03 16:06	LNE
1,2,3-TRICHLOROPROPANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:06	LNE
1,2,4-TRIMETHYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:06	LNE
1,3,5-TRIMETHYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:06	LNE
VINYL CHLORIDE	Not detected	ug/L	10	SW846-8260B	5/12/03 16:06	LNE
TOTAL XYLENES	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:06	LNE
cis-1,3-DICHLOROPROPENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:06	LNE
trans-1,3-DICHLOROPROPENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:06	LNE
ACETONE	Not detected	ug/L	50	SW846-8260B	5/12/03 16:06	LNE
2-BUTANONE (MEK)	Not detected	ug/L	10	SW846-8260B	5/12/03 16:06	LNE
CARBON DISULFIDE	Not detected	ug/L	50	SW846-8260B	5/12/03 16:06	LNE
CARBON TETRACHLORIDE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:06	LNE
2-CHLOROETHYLVINYLEETHER	Not detected	ug/L	10	SW846-8260B	5/12/03 16:06	LNE
2-HEXANONE	Not detected	ug/L	10	SW846-8260B	5/12/03 16:06	LNE
4-METHYL-2-PENTANONE (MIBK)	Not detected	ug/L	10	SW846-8260B	5/12/03 16:06	LNE
MTBE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:06	LNE
IPE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:06	LNE

5/20/03

ETPA

Kevin Puckett

1720 Vargrave Street

Winston-Salem, NC 27107

Customer Project ID: AVERY COUNTY

Customer Sample ID: MW-1

Prism Sample ID: AC81876

Login Group: AO516K8

Sample Collection Date/Time: 5/7/03 09:00

Lab Submittal Date/Time: 5/8/03 17:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
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Sample Comments:

Nitrate Notation: The sample portion for nitrate was analyzed for nitrite within the 48 hour holding time for the test. The sample was then preserved and the total nitrate/nitrite analysis performed later, within the holding time for a preserved sample. The nitrate value was calculated from the total nitrate/nitrite and nitrite results.

Nitrate: Matrix spikes for this sample batch were out of acceptable limits at 64%. All other QC criteria for the batch were within acceptable limits. Matrix interference is suspected.

Fluoride Comment: Samples were run undistilled due to limited sample volume.

Mercury Note: This sample was used as the MS/MSD. It did not recover within control limits(63%). The blank spike recovered at 98%. Matrix interference is suspected.



Angela D. Overcash, V.P. Laboratory Services

5/20/03

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ETPA
 Kevin Puckett
 1720 Vargrave Street
 Winston-Salem, NC 27107

Customer Project ID: **AVERY COUNTY**
 Customer Sample ID: **MW-2**
 Prism Sample ID: **AC81877**
 Login Group: **AO516K8**
 Sample Collection Date/Time: **5/7/03 09:30**
 Lab Submittal Date/Time: **5/8/03 17:00**

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
ARSENIC	Not detected	mg/L	0.010	6010B	5/12/03 17:44	MSC
BARIUM	0.044	mg/L	0.010	6010B	5/12/03 17:44	MSC
CADMIUM	Not detected	mg/L	0.001	6010B	5/12/03 17:44	MSC
CHROMIUM	Not detected	mg/L	0.005	6010B	5/12/03 17:44	MSC
LEAD	0.024	mg/L	0.005	6010B	5/12/03 17:44	MSC
SELENIUM	Not detected	mg/L	0.010	6010B	5/12/03 17:44	MSC
SILVER	Not detected	mg/L	0.005	6010B	5/12/03 17:44	MSC
MERCURY DIGESTION	Completed			EPA 245.1	5/16/03 08:35	MBS
MERCURY, TOTAL	Less than	mg/L	0.0002	EPA 245.1	5/16/03 15:40	MSC
CHLORIDE	13	mg/L	1.0	EPA 300.0	5/12/03 22:38	MLL
FLUORIDE	Less than	mg/L	1.0	EPA 300.0	5/12/03 22:38	MLL
SULFATE	16	mg/L	1.0	EPA 300.0	5/12/03 22:38	MLL
TOTAL DISSOLVED RESIDUE	55	mg/L	25	SM 2540C	5/9/03 21:45	AJR
NITRATE BY AA3	0.07	mg/L	0.05	SM 4500 NO3 F	5/9/03 22:33	BCF
METALS DIGEST-SURFACE/GROUNDW	Completed			SW846-3010A	5/12/03 09:30	LRD
BENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:39	LNE
BROMOBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:39	LNE
BROMOCHLOROMETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:39	LNE
BROMODICHLOROMETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:39	LNE
BROMOFORM	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:39	LNE
BROMOMETHANE	Not detected	ug/L	10	SW846-8260B	5/12/03 16:39	LNE
N-BUTYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:39	LNE
SEC-BUTYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:39	LNE
TERT-BUTYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:39	LNE
CHLOROBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:39	LNE
CHLORODIBROMOMETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:39	LNE
CHLOROETHANE	Not detected	ug/L	10	SW846-8260B	5/12/03 16:39	LNE
CHLOROFORM	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:39	LNE
CHLOROMETHANE	Not detected	ug/L	10	SW846-8260B	5/12/03 16:39	LNE

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Kevin Puckett

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Winston-Salem, NC 27107

Customer Project ID: AVERY COUNTY

Customer Sample ID: MW-2

Prism Sample ID: AC81877

Login Group: AO516K8

Sample Collection Date/Time: 5/7/03 09:30

Lab Submittal Date/Time: 5/8/03 17:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
2-CHLOROTOLUENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:39	LNE
4-CHLOROTOLUENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:39	LNE
1,2-DIBROMO-3-CHLOROPROPANE	Not detected	ug/L	10	SW846-8260B	5/12/03 16:39	LNE
1,2-DIBROMOETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:39	LNE
DIBROMOMETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:39	LNE
1,2-DICHLOROBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:39	LNE
1,3-DICHLOROBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:39	LNE
1,4-DICHLOROBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:39	LNE
DICHLORODIFLUOROMETHANE	Not detected	ug/L	10	SW846-8260B	5/12/03 16:39	LNE
1,1-DICHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:39	LNE
1,2-DICHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:39	LNE
1,1-DICHLOROETHENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:39	LNE
CIS-1,2-DICHLOROETHENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:39	LNE
TRANS-1,2-DICHLOROETHENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:39	LNE
1,2-DICHLOROPROPANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:39	LNE
1,3-DICHLOROPROPANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:39	LNE
2,2-DICHLOROPROPANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:39	LNE
1,1-DICHLOROPROPENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:39	LNE
ETHYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:39	LNE
HEXACHLOROBUTADIENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:39	LNE
ISOPROPYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:39	LNE
P-ISOPROPYLTOLUENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:39	LNE
METHYLENE CHLORIDE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:39	LNE
NAPHTHALENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:39	LNE
N-PROPYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:39	LNE
STYRENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:39	LNE
1,1,1,2-TETRACHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:39	LNE
1,1,2,2-TETRACHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:39	LNE
TETRACHLOROETHENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:39	LNE
TOLUENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:39	LNE
1,2,3-TRICHLOROBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:39	LNE

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

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Customer Project ID: AVERY COUNTY

Kevin Puckett

Customer Sample ID: MW-2

1720 Vargrave Street

Prism Sample ID: AC81877

Winston-Salem, NC 27107

Login Group: AO516K8

Sample Collection Date/Time: 5/7/03 09:30

Lab Submittal Date/Time: 5/8/03 17:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
1,2,4-TRICHLOROBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:39	LNE
1,1,1-TRICHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:39	LNE
1,1,2-TRICHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:39	LNE
TRICHLOROETHENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:39	LNE
TRICHLOROFLUOROMETHANE	Not detected	ug/L	10	SW846-8260B	5/12/03 16:39	LNE
1,2,3-TRICHLOROPROPANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:39	LNE
1,2,4-TRIMETHYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:39	LNE
1,3,5-TRIMETHYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:39	LNE
VINYL CHLORIDE	Not detected	ug/L	10	SW846-8260B	5/12/03 16:39	LNE
TOTAL XYLENES	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:39	LNE
cis-1,3-DICHLOROPROPENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:39	LNE
trans-1,3-DICHLOROPROPENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:39	LNE
ACETONE	Not detected	ug/L	50	SW846-8260B	5/12/03 16:39	LNE
2-BUTANONE (MEK)	Not detected	ug/L	10	SW846-8260B	5/12/03 16:39	LNE
CARBON DISULFIDE	Not detected	ug/L	50	SW846-8260B	5/12/03 16:39	LNE
CARBON TETRACHLORIDE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:39	LNE
2-CHLOROETHYLVINYLETHER	Not detected	ug/L	10	SW846-8260B	5/12/03 16:39	LNE
2-HEXANONE	Not detected	ug/L	10	SW846-8260B	5/12/03 16:39	LNE
4-METHYL-2-PENTANONE (MIBK)	Not detected	ug/L	10	SW846-8260B	5/12/03 16:39	LNE
MTBE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:39	LNE
IPE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 16:39	LNE

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Kevin Puckett

1720 Vargrave Street

Winston-Salem, NC 27107

Customer Project ID: **AVERY COUNTY**Customer Sample ID: **MW-2**Prism Sample ID: **AC81877**Login Group: **AO516K8**Sample Collection Date/Time: **5/7/03 09:30**Lab Submittal Date/Time: **5/8/03 17:00**

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
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Sample Comments:

Nitrate Notation: The sample portion for nitrate was analyzed for nitrite within the 48 hour holding time for the test. The sample was then preserved and the total nitrate/nitrite analysis performed later, within the holding time for a preserved sample. The nitrate value was calculated from the total nitrate/nitrite and nitrite results.

Nitrate: Matrix Spikes for this sample batch were out of acceptable limits at 64%. All other QC criteria were within acceptable limits for batch. Matrix interference is suspected.

Fluoride Comment: Samples were run undistilled due to limited sample volume.



Angela D. Overcash, V.P. Laboratory Services

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Kevin Puckett

1720 Vargrave Street

Winston-Salem, NC 27107

Customer Project ID: AVERY COUNTY

Customer Sample ID: MW-3

Prism Sample ID: AC81878

Login Group: AO516K8

Sample Collection Date/Time: 5/7/03 10:00

Lab Submittal Date/Time: 5/8/03 17:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
ARSENIC	0.010	mg/L	0.010	6010B	5/12/03 18:31	MSC
BARIUM	0.16	mg/L	0.010	6010B	5/12/03 18:31	MSC
CADMIUM	0.009	mg/L	0.001	6010B	5/12/03 18:31	MSC
CHROMIUM	0.010	mg/L	0.005	6010B	5/12/03 18:31	MSC
LEAD	0.012	mg/L	0.005	6010B	5/12/03 18:31	MSC
SELENIUM	Not detected	mg/L	0.010	6010B	5/12/03 18:31	MSC
SILVER	Not detected	mg/L	0.005	6010B	5/12/03 18:31	MSC
MERCURY, TOTAL	Less than	mg/L	0.0002	EPA 245.1	5/16/03 15:50	MSC
MERCURY DIGESTION	Completed			EPA 245.1	5/16/03 08:35	MBS
CHLORIDE	9.3	mg/L	1.0	EPA 300.0	5/13/03 01:34	MLL
FLUORIDE	Less than	mg/L	1.0	EPA 300.0	5/13/03 01:34	MLL
SULFATE	12	mg/L	1.0	EPA 300.0	5/13/03 01:34	MLL
TOTAL DISSOLVED RESIDUE	70	mg/L	25	SM 2540C	5/9/03 21:46	AJR
NITRATE BY AA3	0.18	mg/L	0.05	SM 4500 NO3 F	5/9/03 22:33	BCF
METALS DIGEST-SURFACE/GROUNDW	Completed			SW846-3010A	5/12/03 09:30	LRD
BENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 17:13	LNE
BROMOBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 17:13	LNE
BROMOCHLOROMETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 17:13	LNE
BROMODICHLOROMETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 17:13	LNE
BROMOFORM	Not detected	ug/L	5.0	SW846-8260B	5/12/03 17:13	LNE
BROMOMETHANE	Not detected	ug/L	10	SW846-8260B	5/12/03 17:13	LNE
N-BUTYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 17:13	LNE
SEC-BUTYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 17:13	LNE
TERT-BUTYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 17:13	LNE
CHLOROBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 17:13	LNE
CHLORODIBROMOMETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 17:13	LNE
CHLOROETHANE	Not detected	ug/L	10	SW846-8260B	5/12/03 17:13	LNE
CHLOROFORM	Not detected	ug/L	5.0	SW846-8260B	5/12/03 17:13	LNE
CHLOROMETHANE	Not detected	ug/L	10	SW846-8260B	5/12/03 17:13	LNE

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

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Customer Project ID: AVERY COUNTY

Kevin Puckett

Customer Sample ID: MW-3

1720 Vargrave Street

Prism Sample ID: AC81878

Winston-Salem, NC 27107

Login Group: AO516K8

Sample Collection Date/Time: 5/7/03 10:00

Lab Submittal Date/Time: 5/8/03 17:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
2-CHLOROTOLUENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 17:13	LNE
4-CHLOROTOLUENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 17:13	LNE
1,2-DIBROMO-3-CHLOROPROPANE	Not detected	ug/L	10	SW846-8260B	5/12/03 17:13	LNE
1,2-DIBROMOETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 17:13	LNE
DIBROMOMETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 17:13	LNE
1,2-DICHLOROBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 17:13	LNE
1,3-DICHLOROBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 17:13	LNE
1,4-DICHLOROBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 17:13	LNE
DICHLORODIFLUOROMETHANE	Not detected	ug/L	10	SW846-8260B	5/12/03 17:13	LNE
1,1-DICHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 17:13	LNE
1,2-DICHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 17:13	LNE
1,1-DICHLOROETHENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 17:13	LNE
CIS-1,2-DICHLOROETHENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 17:13	LNE
TRANS-1,2-DICHLOROETHENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 17:13	LNE
1,2-DICHLOROPROPANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 17:13	LNE
1,3-DICHLOROPROPANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 17:13	LNE
2,2-DICHLOROPROPANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 17:13	LNE
1,1-DICHLOROPROPENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 17:13	LNE
ETHYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 17:13	LNE
HEXACHLOROBUTADIENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 17:13	LNE
ISOPROPYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 17:13	LNE
P-ISOPROPYLTOLUENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 17:13	LNE
METHYLENE CHLORIDE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 17:13	LNE
NAPHTHALENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 17:13	LNE
N-PROPYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 17:13	LNE
STYRENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 17:13	LNE
1,1,1,2-TETRACHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 17:13	LNE
1,1,2,2-TETRACHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 17:13	LNE
TETRACHLOROETHENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 17:13	LNE
TOLUENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 17:13	LNE
1,2,3-TRICHLOROBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 17:13	LNE

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

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1720 Vargrave Street

Winston-Salem, NC 27107

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Customer Project ID: AVERY COUNTY

Customer Sample ID: MW-3

Prism Sample ID: AC81878

Login Group: AO516K8

Sample Collection Date/Time: 5/7/03 10:00

Lab Submittal Date/Time: 5/8/03 17:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
1,2,4-TRICHLOROBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 17:13	LNE
1,1,1-TRICHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 17:13	LNE
1,1,2-TRICHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 17:13	LNE
TRICHLOROETHENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 17:13	LNE
TRICHLOROFLUOROMETHANE	Not detected	ug/L	10	SW846-8260B	5/12/03 17:13	LNE
1,2,3-TRICHLOROPROPANE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 17:13	LNE
1,2,4-TRIMETHYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 17:13	LNE
1,3,5-TRIMETHYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 17:13	LNE
VINYL CHLORIDE	Not detected	ug/L	10	SW846-8260B	5/12/03 17:13	LNE
TOTAL XYLENES	Not detected	ug/L	5.0	SW846-8260B	5/12/03 17:13	LNE
cis-1,3-DICHLOROPROPENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 17:13	LNE
trans-1,3-DICHLOROPROPENE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 17:13	LNE
ACETONE	Not detected	ug/L	50	SW846-8260B	5/12/03 17:13	LNE
2-BUTANONE (MEK)	Not detected	ug/L	10	SW846-8260B	5/12/03 17:13	LNE
CARBON DISULFIDE	Not detected	ug/L	50	SW846-8260B	5/12/03 17:13	LNE
CARBON TETRACHLORIDE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 17:13	LNE
2-CHLOROETHYLVINYLEETHER	Not detected	ug/L	10	SW846-8260B	5/12/03 17:13	LNE
2-HEXANONE	Not detected	ug/L	10	SW846-8260B	5/12/03 17:13	LNE
4-METHYL-2-PENTANONE (MIBK)	Not detected	ug/L	10	SW846-8260B	5/12/03 17:13	LNE
MTBE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 17:13	LNE
IPE	Not detected	ug/L	5.0	SW846-8260B	5/12/03 17:13	LNE

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Kevin Puckett

1720 Vargrave Street

Winston-Salem, NC 27107

Customer Project ID: **AVERY COUNTY**

Customer Sample ID: **MW-3**

Prism Sample ID: **AC81878**

Login Group: **AO516K8**

Sample Collection Date/Time: **5/7/03 10:00**

Lab Submittal Date/Time: **5/8/03 17:00**

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
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Sample Comments:

Nitrate Notation: The sample portion for nitrate was analyzed for nitrite within the 48 hour holding time for the test. The sample was then preserved and the total nitrate/nitrite analysis performed later, within the holding time for a preserved sample. The nitrate value was calculated from the total nitrate/nitrite and nitrite results.

Nitrate: Matrix Spikes for this sample batch were out of acceptable limits at 64%. All other QC criteria for batch were within acceptable limits. Matrix interference is suspected.

Fluoride Comment: Samples were run undistilled due to limited sample volume.



Angela D. Overcash, V.P. Laboratory Services



Full Service Analytical & Environmental Solutions
449 Springbrook Road • P.O. Box 240843 • Charlotte, NC 28224-0843

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1 QUOTE # TO ENSURE PROPER BILLING: _____

Project Name: Aspen

Short Hold Analysis: (Yes) (No) UST Project: (Yes) (No)

*Please ATTACH any project specific reporting provisions and/or QC Requirements

Invoice To: _____

Address: Same

Purchase Order No./Billing Reference 4-247-E

Requested Due Date 1 Day 2 Days 3 Days 4 Days 5 Days
 6-9 Days Standard 10 days

Samples received after 15:00 will be processed next business day.
Turnaround time is based on business days, excluding weekends and holidays.

(SEE REVERSE SIDE FOR RUSH TURNAROUND FEES)

LAB USE ONLY

Client Company Name: ETPA

Report To/Contact Name: Ken Pankota

Reporting Address: 1790 Wargrave St

Phone: _____ Fax (Yes) (No): _____

Site Location Name: _____

Site Location Physical Address: _____

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL

Certification: NELAC _____ USACE _____ FL _____ NC _____

SC _____ OTHER _____ N/A _____

Water Chlorinated: YES _____ NO _____

Sample Iced Upon Collection: YES _____ NO _____

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER			PRESERVATIVES	ANALYSES REQUESTED						REMARKS	SUB LAB CERT. ID NO.	PRISM LAB ID NO.
				*TYPE SEE BELOW	NO.	SIZE		SOIL	Metals	Pesticides	PCBs	PAHs	SVOCs			
MW-1	5-7-02	0900	1130				HANDED	✓	✓	✓	✓	✓	✓			
MW-2		1430						↓	↓	↓	↓	↓	↓			
MW-3		1000						↓	↓	↓	↓	↓	↓			
CMW-1		1030						↓	↓	↓	↓	↓	↓			
CMW-2		1050						↓	↓	↓	↓	↓	↓			
CMW-3		1130						↓	↓	↓	↓	↓	↓			
STPAM-1		1119						↓	↓	↓	↓	↓	↓			
STPAM-2		1010						↓	↓	↓	↓	↓	↓			

Sampler's Signature K. Pankota

Sampled By (Print Name) Ken Pankota

Affiliation _____

PRESS DOWN FIRMLY - 3 COPIES

Upon relinquishing, this Chain of Custody is your authorization for Prism to proceed with the analyses as requested above. Any changes must be submitted in writing to the Prism Project Manager. There will be charges for any changes after analyses have been initialized.

Relinquished By: (Signature) _____

Received By: (Signature) _____

Date

Military/Hours

Additional Comments:

Relinquished By: (Signature) _____

Received By: (Signature) _____

Date

Relinquished By: (Signature) _____

Received For Prism Laboratories By: _____

Date

Method of Shipment: NOTE: ALL SAMPLE COOLERS SHOULD BE TAPED SHUT WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY. SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST COC UNTIL RECEIVED AT THE LABORATORY.

Log-In Group No. _____

Fed Ex UPS Hand-delivered Prism Field Service Other _____

NPDES: UST: GROUNDWATER: DRINKING WATER: SOLID WASTE: RCRA: CERCLA: LANDFILL: OTHER:
 NC SC NC SC

*CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

PRISM USE ONLY

SEE REVERSE FOR TERMS & CONDITIONS

CUSTOMER COPY