60-13
3-20-98

NORTH MECKLENBURG LANDFILL INC.

15300 Holbrooks Road

Huntersville, N.C. 28078

704/875-3367

Fax 704/875-3358

A Griffin Brothers Company

BC 6 24 P

JUN 1998
Received
Solid Waste
Section

Mr. Jim Coffey
North Carolina Department of Environment
Health and Natural Resources
Division of Solid Waste Management
401 Oberlin Road
Suite 150
Raleigh, North Carolina 27605

Subject: Groundwater Monitor Well Sampling Results
North Mecklenburg Landfill
Huntersville, N. C. 28078

Dear Mr. Coffey:

As required, North Mecklenburg Landfill has completed our semi-annual groundwater monitoring event as discussed in the attached report (Enviro-Pro, report dated May 28, 1998.

If you have any questions, please do not hesitate to contact me at 704/875-3367.

Sincerely,

Ronald C Gilkerson

Ronald C. Gilkerson
Hydrogeologist

cc: Mr. Dennis F. Tyndall
Mecklenburg County Environmental Protection
700 North Tryon Street
Suite 205
Charlotte, North Carolina 28202-2236

ENVIRO-PRO
PROFESSIONAL CORPORATION

May 28, 1998

Mr. Larry Griffin
North Mecklenburg Landfill
15300 Holbrooks Road
Huntersville, NC 28078

RE: Semi-annual Monitor Well Sampling Results
North Mecklenburg Landfill
Huntersville, NC
Project No. EP-1217

Dear Mr. Griffin:

Enviro-Pro, P.C. is pleased to submit this report which describes the field sampling activities and summarizes the semi-annual monitor well analytical results for the subject site.

Field Sampling Activities

On March 20, 1998, Enviro-Pro personnel collected groundwater samples from on-site perimeter monitor wells MW-1, MW-4, MW-5, MW-6, MW-10 and MW-11. The approximate locations of these wells are indicated on Figure 1.

The procedures for groundwater measurement and sampling were as follows:

1) Initially, the caps on the monitor wells were removed to allow the groundwater levels to equilibrate to the ambient atmospheric pressure. Next, the depth to groundwater from a measuring point on top of the well casing was recorded. Water level measurements were obtained using an electronic water level meter. The water level probe was decontaminated between monitor wells with deionized water.

2) At least three well volumes were removed from each monitor well to purge stagnant water and to ensure that fresh formation water would be sampled. The wells were purged using dedicated disposable Teflon bailers.

15101 Regena Lane • Charlotte, NC 28278 • (704) 583-0075 • FAX (704) 583-2673

3) Each well was then sampled utilizing laboratory prepared containers, labeled, and packed on ice in a portable cooler for shipment to Prism Laboratories, Inc., a North Carolina-certified laboratory, located in Charlotte, North Carolina. Chain-of-custody documentation is included with the analytical reports in Appendix A.

4) Quality assurance/quality control (QA/QC), measures in the field included wearing disposable sample gloves during sampling activities and changing them between sample locations to protect the groundwater samples from cross-contamination. Analytical QA/QC included a field blank and a trip blank analyzed for volatile organic compounds (EPA Method 8260). The field blank was also tested for the 8 RCRA metals.

The field information obtained is summarized on the Well Development, Purge, and Sample Record included as Appendix B. Groundwater levels declined 0.64 foot in well MW-4, but rose in the other wells from 0.85 foot (MW-1) to 5.30 foot (MW-11) since the previous sampling event on July 18, 1997.

Laboratory Test Results

In accordance with regulatory requirements, the six monitor well samples were analyzed for the eight RCRA metals and volatile organic compounds (VOCs) via EPA Method 8260 by Prism Laboratories. Laboratory data sheets are attached as Appendix A, with a summary of groundwater analytical results presented in Table 1.

Laboratory test results indicated that cadmium was identified slightly above its regulatory limit of 0.005 parts per million in monitor wells MW-5 and MW-10. This was likely due to some turbidity in these samples. No VOC compounds were present above their respective detection limits in any of the well or QA/QC samples tested.

Enviro-Pro appreciates the opportunity to provide our environmental services on your project. Please contact me at (704) 583-0075 if you have any questions concerning this report or when we can be of further service.

Sincerely,
ENVIRO-PRO, P.C.

Thomas H. Bolyard

Thomas H. Bolyard, P.G.
Senior Hydrogeologist

TABLE 1

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
North Mecklenburg Landfill
Huntersville, North Carolina
March 20,1998 Sampling Event

	Sample I.D.								
Parameter	MW-1	MW-4	MW-5	MW-6	MW-10	MW-11	Field Blank	Trip Blank	NCAC 2L Standard
Arsenic	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.05
Barium	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.0
Cadmium	0.005	BDL	0.014	BDL	0.006	BDL	BDL	BDL	0.005
Chromium	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.05
Lead	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.015
Mercury	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.0011
Selenium	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.05
Silver	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.018
All 8260 Compounds	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	

Notes: BDL = Below Detection Limits
NT = Not Tested
All Metals Results Are Presented in Parts Per Million

APPENDIX A

Lab Report

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

PRISM LABORATORIES, INC.
Full Service Analytical & Environmental Solutions

April 9, 1998

To: Enviro-Pro, P.C.
Attn: Tom Bolyard
15101 Regena Lane
Charlotte, NC 28278
Proj: N. Meck

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

Sample I.D. AA91422
Customer Code: ENVIPRO
Login Group #: 3089D8
Customer Reference: N MECK
Phone Number: (704)583-0075 fax(704)583-2673
Customer Sample I.D#: MW-1
Sample collection date: 03/20/98 Time: 11:45
Lab submittal date: 03/20/98 Time: 14:30
Received by: KSB Validated by: ADO

Parameter: VOLATILE ORGANICS BY 8260
Method reference: 8260 Unit: ug/L
Result: see below
Date started: 03/26/98 Date finished: 03/26/98
Time started: 18:04 Analyst: MP

Parameter: METALS DIGESTION
Method reference: 3030C Unit:
Result: Completed MDL or sensitivity:
Date started: 03/20/98 Date finished: 03/20/98
Time started: 17:00 Analyst: DR2

Parameter: ARSENIC, TOTAL IN GROUNDWATER
Method reference: 6010 Unit: mg/L
Result: Less than MDL or sensitivity: 0.05
Date started: 03/30/98 Date finished: 03/30/98
Time started: 16:00 Analyst: DHJ

Parameter: SELENIUM, TOTAL IN GROUNDWATER
Method reference: 6010 Unit: mg/L
Result: Less than MDL or sensitivity: 0.01
Date started: 03/30/98 Date finished: 03/30/98
Time started: 16:00 Analyst: DHJ

Parameter: CADMIUM, TOTAL IN GROUNDWATER
Method reference: 6010
Result: 0.005 mg/L MDL or sensitivity: 0.005
Date started: 03/30/98 Date finished: 03/30/98
Time started: 16:00 Analyst: DHJ

PRISM LABORATORIES, INC.
Full Service Analytical & Environmental Solutions

Parameter: CHROMIUM, TOTAL IN GROUNDWATER
Method reference: 6010
Result: Less than
Date started: 03/30/98
Time started: 16:00
Unit: mg/L
MDL or sensitivity: 0.05
Date finished: 03/30/98
Analyst: DHJ

Parameter: LEAD, TOTAL IN GROUNDWATER
Method reference: 6010
Result: Less than
Date started: 03/30/98
Time started: 16:00
Unit: mg/L
MDL or sensitivity: 0.015
Date finished: 03/30/98
Analyst: DHJ

Parameter: SILVER, TOTAL, IN GROUNDWATER
Method reference: 6010
Result: Less than
Date started: 03/30/98
Time started: 16:00
Unit: mg/L
MDL or sensitivity: 0.018
Date finished: 03/30/98
Analyst: DHJ

Parameter: BARIUM, TOTAL IN GROUNDWATER
Method reference: 6010
Result: Less than
Date started: 03/30/98
Time started: 16:00
Unit: mg/L
MDL or sensitivity: 1.0
Date finished: 03/30/98
Analyst: DHJ

Parameter: MERCURY DIGESTION
Method reference: EPA 245.1
Result: Completed
Date started: 04/01/98
Time started: 13:00
Unit:
MDL or sensitivity:
Date finished: 04/01/98
Analyst: DR2

Parameter: MERCURY, TOTAL IN GROUNDWATER
Method reference: EPA 245.1
Result: Less than
Date started: 04/02/98
Time started: 14:00
Unit: mg/L
MDL or sensitivity: 0.0002
Date finished: 04/02/98
Analyst: DR2

Data for VOLATILE ORGANICS BY 8260 ug/L:

Component Name	Result	Component MDL
BENZENE	Not detected	5
BROMOBENZENE	Not detected	5
BROMOCHLOROMETHANE	Not detected	5
BROMODICHLOROMETHANE	Not detected	5
BROMOFORM	Not detected	5
BROMOMETHANE	Not detected	10
N-BUTYLBENZENE	Not detected	5
SEC-BUTYLBENZENE	Not detected	5
TERT-BUTYLBENZENE	Not detected	5
CHLOROBENZENE	Not detected	5
CHLORODIBROMOMETHANE	Not detected	5
CHLOROETHANE	Not detected	10
CHLOROFORM	Not detected	5
CHLOROMETHANE	Not detected	10

PRISM LABORATORIES, INC.
Full Service Analytical & Environmental Solutions

Data for VOLATILE ORGANICS BY 8260 (continued):

Component Name	Result	Component MDL
2-CHLOROTOLUENE	Not detected	2
4-CHLOROTOLUENE	Not detected	2
1,2-DIBROMO-3-CHLOROPROPANE	Not detected	10
1,2-DIBROMOETHANE	Not detected	5
DIBROMOMETHANE	Not detected	5
1,2-DICHLOROBENZENE	Not detected	5
1,3-DICHLOROBENZENE	Not detected	5
1,4-DICHLOROBENZENE	Not detected	5
DICHLORODIFLUOROMETHANE	Not detected	10
1,1-DICHLOROETHANE	Not detected	5
1,2-DICHLOROETHANE	Not detected	5
1,1-DICHLOROETHENE	Not detected	5
CIS-1,2-DICHLOROETHENE	Not detected	5
TRANS-1,2-DICHLOROETHENE	Not detected	5
1,2-DICHLOROPROPANE	Not detected	5
1,3-DICHLOROPROPANE	Not detected	5
2,2-DICHLOROPROPANE	Not detected	5
1,1-DICHLOROPROPENE	Not detected	5
ETHYLBENZENE	Not detected	5
HEXACHLOROBUTADIENE	Not detected	5
ISOPROPYLBENZENE	Not detected	5
P-ISOPROPYLTOLUENE	Not detected	5
METHYLENE CHLORIDE	Not detected	5
NAPHTHALENE	Not detected	5
N-PROPYLBENZENE	Not detected	5
STYRENE	Not detected	5
1,1,1,2-TETRACHLOROETHANE	Not detected	5
1,1,2,2-TETRACHLOROETHANE	Not detected	5
TETRACHLOROETHENE	Not detected	5
TOLUENE	Not detected	5
1,2,3-TRICHLOROBENZENE	Not detected	5
1,2,4-TRICHLOROBENZENE	Not detected	5
1,1,1-TRICHLOROETHANE	Not detected	5
1,1,2-TRICHLOROETHANE	Not detected	10
TRICHLOROETHENE	Not detected	5
TRICHLOROFLUOROMETHANE	Not detected	5
1,2,3-TRICHLOROPROPANE	Not detected	5
1,2,4-TRIMETHYLBENZENE	Not detected	10
1,3,5-TRIMETHYLBENZENE	Not detected	5
VINYL CHLORIDE	Not detected	5
TOTAL XYLENES	Not detected	5
cis-1,3-DICHLOROPROPENE	Not detected	50
trans-1,3-DICHLOROPROPENE	Not detected	10
ACETONE	Not detected	50
2-BUTANONE (MEK)	Not detected	5
CARBON DISULFIDE	Not detected	10
CARBON TETRACHLORIDE	Not detected	10
2-CHLOROETHYLVINYLETHER	Not detected	10
2-HEXANONE		
4-METHYL-2-PENTANONE (MIBK)		

PRISM LABORATORIES, INC.
Full Service Analytical & Environmental Solutions

Sample comments:

Project Name: N. Meck L.F.

If there are any questions regarding this data, please call.

Angela D. Overcash
Laboratory Director

449 Springbrook Road ▲ P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Toll Free Number: 1-800/529-6364 ▲ Fax: 704/525-0409

Lab Report

PRISM LABORATORIES, INC.
Full Service Analytical & Environmental Solutions

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

April 9, 1998

To: Enviro-Pro, P.C.
Attn: Tom Bolyard
15101 Regena Lane
Charlotte, NC 28278
Proj: N. Meck

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

Sample I.D. AA91423
Customer Code: ENVIPRO
Customer Reference: N MECK
Login Group #: 3089D8
Phone Number: (704)583-0075 fax(704)583-2673
Customer Sample I.D#: MW-4
Sample collection date: 03/20/98 Time: 11:55
Lab submittal date: 03/20/98 Time: 14:30
Received by: KSB Validated by: ADO

Parameter: VOLATILE ORGANICS BY 8260
Method reference: 8260
Result: see below
Date started: 03/26/98
Time started: 18:45
Unit: ug/L
Date finished: 03/26/98
Analyst: MP

Parameter: METALS DIGESTION
Method reference: 3030C
Result: Completed
Date started: 03/20/98
Time started: 17:00
Unit:
MDL or sensitivity:
Date finished: 03/20/98
Analyst: DR2

Parameter: ARSENIC, TOTAL IN GROUNDWATER
Method reference: 6010
Result: Less than
Date started: 03/30/98
Time started: 16:00
Unit: mg/L
MDL or sensitivity: 0.05
Date finished: 03/30/98
Analyst: DHJ

Parameter: SELENIUM, TOTAL IN GROUNDWATER
Method reference: 6010
Result: Less than
Date started: 03/30/98
Time started: 16:00
Unit: mg/L
MDL or sensitivity: 0.01
Date finished: 03/30/98
Analyst: DHJ

Parameter: SILVER, TOTAL, IN GROUNDWATER
Method reference: 6010
Result: Less than
Date started: 03/30/98
Time started: 16:00
Unit: mg/L
MDL or sensitivity: 0.018
Date finished: 03/30/98
Analyst: DHJ

449 Springbrook Road ▲ P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Toll Free Number: 1-800/529-6364 ▲ Fax: 704/525-0409

Lab Report

PRISM LABORATORIES, INC.
Full Service Analytical & Environmental Solutions

Enviro-Pro, P.C. Sample I.D. AA91423 (continued)
Page: 2
April 9, 1998

Parameter: LEAD, TOTAL IN GROUNDWATER
Method reference: 6010
Result: Less than
Date started: 03/30/98
Time started: 16:00
Unit: mg/L
MDL or sensitivity: 0.015
Date finished: 03/30/98
Analyst: DHJ

Parameter: CHROMIUM, TOTAL IN GROUNDWATER
Method reference: 6010
Result: Less than
Date started: 03/30/98
Time started: 16:00
Unit: mg/L
MDL or sensitivity: 0.05
Date finished: 03/30/98
Analyst: DHJ

Parameter: CADMIUM, TOTAL IN GROUNDWATER
Method reference: 6010
Result: Less than
Date started: 03/30/98
Time started: 16:00
Unit: mg/L
MDL or sensitivity: 0.005
Date finished: 03/30/98
Analyst: DHJ

Parameter: BARIUM, TOTAL IN GROUNDWATER
Method reference: 6010
Result: Less than
Date started: 03/30/98
Time started: 16:00
Unit: mg/L
MDL or sensitivity: 1.0
Date finished: 03/30/98
Analyst: DHJ

Parameter: MERCURY DIGESTION
Method reference: EPA 245.1
Result: Completed
Date started: 04/01/98
Time started: 13:00
Unit:
MDL or sensitivity:
Date finished: 04/01/98
Analyst: DR2

Parameter: MERCURY, TOTAL IN GROUNDWATER
Method reference: EPA 245.1
Result: Less than
Date started: 04/02/98
Time started: 14:00
Unit: mg/L
MDL or sensitivity: 0.0002
Date finished: 04/02/98
Analyst: DR2

Data for VOLATILE ORGANICS BY 8260 ug/L:

Component Name	Result	Component MDL
BENZENE	Not detected	5
BROMOBENZENE	Not detected	5
BROMOCHLOROMETHANE	Not detected	5
BROMODICHLOROMETHANE	Not detected	5
BROMOFORM	Not detected	5
BROMOMETHANE	Not detected	10
N-BUTYLBENZENE	Not detected	5
SEC-BUTYLBENZENE	Not detected	5
TERT-BUTYLBENZENE	Not detected	5
CHLOROBENZENE	Not detected	5
CHLORODIBROMOMETHANE	Not detected	5
CHLOROETHANE	Not detected	10
CHLOROFORM	Not detected	5
CHLOROMETHANE	Not detected	10

Lab Report

PRISM LABORATORIES, INC.
Full Service Analytical & Environmental Solutions

Data for VOLATILE ORGANICS BY 8260 (continued):

Component Name	Result	Component MDL
2-CHLOROTOLUENE	Not detected	2
4-CHLOROTOLUENE	Not detected	2
1,2-DIBROMO-3-CHLOROPROPANE	Not detected	10
1,2-DIBROMOETHANE	Not detected	5
DIBROMOMETHANE	Not detected	5
1,2-DICHLOROBENZENE	Not detected	5
1,3-DICHLOROBENZENE	Not detected	5
1,4-DICHLOROBENZENE	Not detected	5
DICHLORODIFLUOROMETHANE	Not detected	10
1,1-DICHLOROETHANE	Not detected	5
1,2-DICHLOROETHANE	Not detected	5
1,1-DICHLOROETHENE	Not detected	5
CIS-1,2-DICHLOROETHENE	Not detected	5
TRANS-1,2-DICHLOROETHENE	Not detected	5
1,2-DICHLOROPROPANE	Not detected	5
1,3-DICHLOROPROPANE	Not detected	5
2,2-DICHLOROPROPANE	Not detected	5
1,1-DICHLOROPROPENE	Not detected	5
ETHYLBENZENE	Not detected	5
HEXACHLOROBUTADIENE	Not detected	5
ISOPROPYLBENZENE	Not detected	5
P-ISOPROPYLTOLUENE	Not detected	5
METHYLENE CHLORIDE	Not detected	5
NAPHTHALENE	Not detected	5
N-PROPYLBENZENE	Not detected	5
STYRENE	Not detected	5
1,1,1,2-TETRACHLOROETHANE	Not detected	5
1,1,2,2-TETRACHLOROETHANE	Not detected	5
TETRACHLOROETHENE	Not detected	5
TOLUENE	Not detected	5
1,2,3-TRICHLOROBENZENE	Not detected	5
1,2,4-TRICHLOROBENZENE	Not detected	5
1,1,1-TRICHLOROETHANE	Not detected	5
1,1,2-TRICHLOROETHANE	Not detected	5
TRICHLOROETHENE	Not detected	10
TRICHLOROFLUOROMETHANE	Not detected	5
1,2,3-TRICHLOROPROPANE	Not detected	5
1,2,4-TRIMETHYLBENZENE	Not detected	5
1,3,5-TRIMETHYLBENZENE	Not detected	10
VINYL CHLORIDE	Not detected	5
TOTAL XYLENES	Not detected	5
cis-1,3-DICHLOROPROPENE	Not detected	5
trans-1,3-DICHLOROPROPENE	Not detected	50
ACETONE	Not detected	10
2-BUTANONE (MEK)	Not detected	50
CARBON DISULFIDE	Not detected	5
CARBON TETRACHLORIDE	Not detected	10
2-CHLOROETHYLVINYLETHER	Not detected	10
2-HEXANONE	Not detected	10
4-METHYL-2-PENTANONE (MIBK)		

Lab Report

PRISM LABORATORIES, INC.
Full Service Analytical & Environmental Solutions

Enviro-Pro, P.C. Sample I.D. AA91423 (continued)
Page: 4
April 9, 1998

Sample comments:

Project Name: N. Meck L.F.

If there are any questions regarding this data, please call.

Angela D. Overcash
Laboratory Director

449 Springbrook Road ▲ P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Toll Free Number: 1-800/529-6364 ▲ Fax: 704/525-0409

Lab Report

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

PRISM LABORATORIES, INC.
Full Service Analytical & Environmental Solutions

April 9, 1998

To: Enviro-Pro, P.C.
Attn: Tom Bolyard
15101 Regena Lane
Charlotte, NC 28278
Proj: N. Meck

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

Sample I.D. AA91424
Customer Code: ENVIPRO
Customer Reference: N MECK
Login Group #: 3089D8
Phone Number: (704)583-0075 fax(704)583-2673
Customer Sample I.D#: MW-5
Sample collection date: 03/20/98 Time: 12:05
Lab submittal date: 03/20/98 Time: 14:30
Received by: KSB Validated by: ADO

Parameter: VOLATILE ORGANICS BY 8260
Method reference: 8260 Unit: ug/L
Result: see below
Date started: 03/26/98 Date finished: 03/26/98
Time started: 19:25 Analyst: MP

Parameter: METALS DIGESTION
Method reference: 3030C Unit:
Result: Completed MDL or sensitivity:
Date started: 03/20/98 Date finished: 03/20/98
Time started: 17:00 Analyst: DR2

Parameter: ARSENIC, TOTAL IN GROUNDWATER
Method reference: 6010 Unit: mg/L
Result: Less than MDL or sensitivity: 0.05
Date started: 03/30/98 Date finished: 03/30/98
Time started: 16:00 Analyst: DHJ

Parameter: SELENIUM, TOTAL IN GROUNDWATER
Method reference: 6010 Unit: mg/L
Result: Less than MDL or sensitivity: 0.01
Date started: 03/30/98 Date finished: 03/30/98
Time started: 16:00 Analyst: DHJ

Parameter: CADMIUM, TOTAL IN GROUNDWATER
Method reference: 6010
Result: 0.014 mg/L MDL or sensitivity: 0.005
Date started: 03/30/98 Date finished: 03/30/98
Time started: 16:00 Analyst: DHJ

449 Springbrook Road ▲ P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Toll Free Number: 1-800/529-6364 ▲ Fax: 704/525-0409

PRISM LABORATORIES, INC.
Full Service Analytical & Environmental Solutions

Parameter: CHROMIUM, TOTAL IN GROUNDWATER
Method reference: 6010
Result: Less than
Date started: 03/30/98
Time started: 16:00
Unit: mg/L
MDL or sensitivity: 0.05
Date finished: 03/30/98
Analyst: DHJ

Parameter: LEAD, TOTAL IN GROUNDWATER
Method reference: 6010
Result: Less than
Date started: 03/30/98
Time started: 16:00
Unit: mg/L
MDL or sensitivity: 0.015
Date finished: 03/30/98
Analyst: DHJ

Parameter: SILVER, TOTAL, IN GROUNDWATER
Method reference: 6010
Result: Less than
Date started: 03/30/98
Time started: 16:00
Unit: mg/L
MDL or sensitivity: 0.018
Date finished: 03/30/98
Analyst: DHJ

Parameter: BARIUM, TOTAL IN GROUNDWATER
Method reference: 6010
Result: Less than
Date started: 03/30/98
Time started: 16:00
Unit: mg/L
MDL or sensitivity: 1.0
Date finished: 03/30/98
Analyst: DHJ

Parameter: MERCURY DIGESTION
Method reference: EPA 245.1
Result: Completed
Date started: 04/01/98
Time started: 13:00
Unit:
MDL or sensitivity:
Date finished: 04/01/98
Analyst: DR2

Parameter: MERCURY, TOTAL IN GROUNDWATER
Method reference: EPA 245.1
Result: Less than
Date started: 04/02/98
Time started: 14:00
Unit: mg/L
MDL or sensitivity: 0.0002
Date finished: 04/02/98
Analyst: DR2

Data for VOLATILE ORGANICS BY 8260 ug/L:

Component Name	Result	Component MDL
BENZENE	Not detected	5
BROMOBENZENE	Not detected	5
BROMOCHLOROMETHANE	Not detected	5
BROMODICHLOROMETHANE	Not detected	5
BROMOFORM	Not detected	5
BROMOMETHANE	Not detected	10
N-BUTYLBENZENE	Not detected	5
SEC-BUTYLBENZENE	Not detected	5
TERT-BUTYLBENZENE	Not detected	5
CHLOROBENZENE	Not detected	5
CHLORODIBROMOMETHANE	Not detected	5
CHLOROETHANE	Not detected	10
CHLOROFORM	Not detected	5
CHLOROMETHANE	Not detected	10

PRISM LABORATORIES, INC.
Full Service Analytical & Environmental Solutions

Data for VOLATILE ORGANICS BY 8260 (continued):

Component Name	Result	Component MDL
2-CHLOROTOLUENE	Not detected	2
4-CHLOROTOLUENE	Not detected	2
1,2-DIBROMO-3-CHLOROPROPANE	Not detected	10
1,2-DIBROMOETHANE	Not detected	5
DIBROMOMETHANE	Not detected	5
1,2-DICHLOROBENZENE	Not detected	5
1,3-DICHLOROBENZENE	Not detected	5
1,4-DICHLOROBENZENE	Not detected	5
DICHLORODIFLUOROMETHANE	Not detected	10
1,1-DICHLOROETHANE	Not detected	5
1,2-DICHLOROETHANE	Not detected	5
1,1-DICHLOROETHENE	Not detected	5
CIS-1,2-DICHLOROETHENE	Not detected	5
TRANS-1,2-DICHLOROETHENE	Not detected	5
1,2-DICHLOROPROPANE	Not detected	5
1,3-DICHLOROPROPANE	Not detected	5
2,2-DICHLOROPROPANE	Not detected	5
1,1-DICHLOROPROPENE	Not detected	5
ETHYLBENZENE	Not detected	5
HEXACHLOROBUTADIENE	Not detected	5
ISOPROPYLBENZENE	Not detected	5
P-ISOPROPYLTOLUENE	Not detected	5
METHYLENE CHLORIDE	Not detected	5
NAPHTHALENE	Not detected	5
N-PROPYLBENZENE	Not detected	5
STYRENE	Not detected	5
1,1,1,2-TETRACHLOROETHANE	Not detected	5
1,1,2,2-TETRACHLOROETHANE	Not detected	5
TETRACHLOROETHENE	Not detected	5
TOLUENE	Not detected	5
1,2,3-TRICHLOROBENZENE	Not detected	5
1,2,4-TRICHLOROBENZENE	Not detected	5
1,1,1-TRICHLOROETHANE	Not detected	5
1,1,2-TRICHLOROETHANE	Not detected	5
TRICHLOROETHENE	Not detected	10
TRICHLOROFLUOROMETHANE	Not detected	5
1,2,3-TRICHLOROPROPANE	Not detected	5
1,2,4-TRIMETHYLBENZENE	Not detected	5
1,3,5-TRIMETHYLBENZENE	Not detected	10
VINYL CHLORIDE	Not detected	5
TOTAL XYLENES	Not detected	5
cis-1,3-DICHLOROPROPENE	Not detected	5
trans-1,3-DICHLOROPROPENE	Not detected	50
ACETONE	Not detected	10
2-BUTANONE (MEK)	Not detected	50
CARBON DISULFIDE	Not detected	5
CARBON TETRACHLORIDE	Not detected	10
2-CHLOROETHYLVINYLETHER	Not detected	10
2-HEXANONE	Not detected	10
4-METHYL-2-PENTANONE (MIBK)		

PRISM LABORATORIES, INC.
Full Service Analytical & Environmental Solutions

Sample comments:

Project Name: N. Meck L.F.

If there are any questions regarding this data, please call.

Angela D. Overcash
Laboratory Director

Lab Report

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

PRISM LABORATORIES, INC.
Full Service Analytical & Environmental Solutions

April 9, 1998

To: Enviro-Pro, P.C.
Attn: Tom Bolyard
15101 Regena Lane
Charlotte, NC 28278
Proj: N. Meck

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

Sample I.D. AA91425 Customer Code: ENVIPRO
Login Group #: 3089D8 Customer Reference: N MECK
Phone Number: (704)583-0075 fax(704)583-2673
Customer Sample I.D#: MW-6
Sample collection date: 03/20/98 Time: 12:15
Lab submittal date: 03/20/98 Time: 14:30
Received by: KSB Validated by: ADO

Parameter: VOLATILE ORGANICS BY 8260
Method reference: 8260 Unit: ug/L
Result: see below
Date started: 03/26/98 Date finished: 03/26/98
Time started: 20:06 Analyst: MP

Parameter: METALS DIGESTION
Method reference: 3030C Unit:
Result: Completed MDL or sensitivity:
Date started: 03/20/98 Date finished: 03/20/98
Time started: 17:00 Analyst: DR2

Parameter: ARSENIC, TOTAL IN GROUNDWATER
Method reference: 6010 Unit: mg/L
Result: Less than MDL or sensitivity: 0.05
Date started: 03/30/98 Date finished: 03/30/98
Time started: 16:00 Analyst: DHJ

Parameter: SILVER, TOTAL, IN GROUNDWATER
Method reference: 6010 Unit: mg/L
Result: Less than MDL or sensitivity: 0.018
Date started: 03/30/98 Date finished: 03/30/98
Time started: 16:00 Analyst: DHJ

Parameter: LEAD, TOTAL IN GROUNDWATER
Method reference: 6010 Unit: mg/L
Result: Less than MDL or sensitivity: 0.015
Date started: 03/30/98 Date finished: 03/30/98
Time started: 16:00 Analyst: DHJ

PRISM LABORATORIES, INC.
Full Service Analytical & Environmental Solutions

Parameter: CHROMIUM, TOTAL IN GROUNDWATER
Method reference: 6010
Result: Less than
Date started: 03/30/98
Time started: 16:00
Unit: mg/L
MDL or sensitivity: 0.05
Date finished: 03/30/98
Analyst: DHJ

Parameter: CADMIUM, TOTAL IN GROUNDWATER
Method reference: 6010
Result: Less than
Date started: 03/30/98
Time started: 16:00
Unit: mg/L
MDL or sensitivity: 0.005
Date finished: 03/30/98
Analyst: DHJ

Parameter: SELENIUM, TOTAL IN GROUNDWATER
Method reference: 6010
Result: Less than
Date started: 03/30/98
Time started: 16:00
Unit: mg/L
MDL or sensitivity: 0.01
Date finished: 03/30/98
Analyst: DHJ

Parameter: BARIUM, TOTAL IN GROUNDWATER
Method reference: 6010
Result: Less than
Date started: 03/30/98
Time started: 16:00
Unit: mg/L
MDL or sensitivity: 1.0
Date finished: 03/30/98
Analyst: DHJ

Parameter: MERCURY DIGESTION
Method reference: EPA 245.1
Result: Completed
Date started: 04/01/98
Time started: 13:00
Unit:
MDL or sensitivity:
Date finished: 04/01/98
Analyst: DR2

Parameter: MERCURY, TOTAL IN GROUNDWATER
Method reference: EPA 245.1
Result: Less than
Date started: 04/02/98
Time started: 14:00
Unit: mg/L
MDL or sensitivity: 0.0002
Date finished: 04/02/98
Analyst: DR2

Data for VOLATILE ORGANICS BY 8260 ug/L:

Component Name	Result	Component MDL
BENZENE	Not detected	5
BROMOBENZENE	Not detected	5
BROMOCHLOROMETHANE	Not detected	5
BROMODICHLOROMETHANE	Not detected	5
BROMOFORM	Not detected	5
BROMOMETHANE	Not detected	10
N-BUTYLBENZENE	Not detected	5
SEC-BUTYLBENZENE	Not detected	5
TERT-BUTYLBENZENE	Not detected	5
CHLOROBENZENE	Not detected	5
CHLORODIBROMOMETHANE	Not detected	5
CHLOROETHANE	Not detected	10
CHLOROFORM	Not detected	5
CHLOROMETHANE	Not detected	10

PRISM LABORATORIES, INC.
Full Service Analytical & Environmental Solutions

Data for VOLATILE ORGANICS BY 8260 (continued):

Component Name	Result	Component MDL
2-CHLOROTOLUENE	Not detected	2
4-CHLOROTOLUENE	Not detected	2
1,2-DIBROMO-3-CHLOROPROPANE	Not detected	10
1,2-DIBROMOETHANE	Not detected	5
DIBROMOMETHANE	Not detected	5
1,2-DICHLOROBENZENE	Not detected	5
1,3-DICHLOROBENZENE	Not detected	5
1,4-DICHLOROBENZENE	Not detected	5
DICHLORODIFLUOROMETHANE	Not detected	10
1,1-DICHLOROETHANE	Not detected	5
1,2-DICHLOROETHANE	Not detected	5
1,1-DICHLOROETHENE	Not detected	5
CIS-1,2-DICHLOROETHENE	Not detected	5
TRANS-1,2-DICHLOROETHENE	Not detected	5
1,2-DICHLOROPROPANE	Not detected	5
1,3-DICHLOROPROPANE	Not detected	5
2,2-DICHLOROPROPANE	Not detected	5
1,1-DICHLOROPROPENE	Not detected	5
ETHYLBENZENE	Not detected	5
HEXACHLOROBUTADIENE	Not detected	5
ISOPROPYLBENZENE	Not detected	5
P-ISOPROPYLTOLUENE	Not detected	5
METHYLENE CHLORIDE	Not detected	5
NAPHTHALENE	Not detected	5
N-PROPYLBENZENE	Not detected	5
STYRENE	Not detected	5
1,1,1,2-TETRACHLOROETHANE	Not detected	5
1,1,2,2-TETRACHLOROETHANE	Not detected	5
TETRACHLOROETHENE	Not detected	5
TOLUENE	Not detected	5
1,2,3-TRICHLOROBENZENE	Not detected	5
1,2,4-TRICHLOROBENZENE	Not detected	5
1,1,1-TRICHLOROETHANE	Not detected	5
1,1,2-TRICHLOROETHANE	Not detected	5
TRICHLOROETHENE	Not detected	10
TRICHLOROFLUOROMETHANE	Not detected	5
1,2,3-TRICHLOROPROPANE	Not detected	5
1,2,4-TRIMETHYLBENZENE	Not detected	5
1,3,5-TRIMETHYLBENZENE	Not detected	10
VINYL CHLORIDE	Not detected	5
TOTAL XYLENES	Not detected	5
cis-1,3-DICHLOROPROPENE	Not detected	5
trans-1,3-DICHLOROPROPENE	Not detected	50
ACETONE	Not detected	10
2-BUTANONE (MEK)	Not detected	50
CARBON DISULFIDE	Not detected	5
CARBON TETRACHLORIDE	Not detected	10
2-CHLOROETHYLVINYLETHER	Not detected	10
2-HEXANONE	Not detected	10
4-METHYL-2-PENTANONE (MIBK)		

PRISM LABORATORIES, INC.
Full Service Analytical & Environmental Solutions

Sample comments:

Project Name: N. Meck L.F.

If there are any questions regarding this data, please call.

Angela D. Overcash
Laboratory Director

Lab Report

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

PRISM LABORATORIES, INC.
Full Service Analytical & Environmental Solutions

April 9, 1998

To: Enviro-Pro, P.C.
Attn: Tom Bolyard
15101 Regena Lane
Charlotte, NC 28278
Proj: N. Meck

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

Sample I.D. AA91426
Customer Code: ENVIPRO
Login Group #: 3089D8
Customer Reference: N MECK
Phone Number: (704)583-0075 fax(704)583-2673
Customer Sample I.D#: MW-10
Sample collection date: 03/20/98 Time: 12:25
Lab submittal date: 03/20/98 Time: 14:30
Received by: KSB Validated by: ADO

Parameter: VOLATILE ORGANICS BY 8260
Method reference: 8260 Unit: ug/L
Result: see below Date finished: 03/26/98
Date started: 03/26/98 Analyst: MP
Time started: 20:47

Parameter: METALS DIGESTION
Method reference: 3030C Unit:
Result: Completed MDL or sensitivity:
Date started: 03/20/98 Date finished: 03/20/98
Time started: 17:00 Analyst: DR2

Parameter: ARSENIC, TOTAL IN GROUNDWATER
Method reference: 6010 Unit: mg/L
Result: Less than MDL or sensitivity: 0.05
Date started: 03/30/98 Date finished: 03/30/98
Time started: 16:00 Analyst: LAM

Parameter: SELENIUM, TOTAL IN GROUNDWATER
Method reference: 6010 Unit: mg/L
Result: Less than MDL or sensitivity: 0.01
Date started: 03/30/98 Date finished: 03/30/98
Time started: 16:00 Analyst: LAM

Parameter: CADMIUM, TOTAL IN GROUNDWATER
Method reference: 6010 MDL or sensitivity: 0.005
Result: 0.006 mg/L Date finished: 03/30/98
Date started: 03/30/98 Analyst: LAM
Time started: 16:00

449 Springbrook Road ▲ P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Toll Free Number: 1-800/529-6364 ▲ Fax: 704/525-0409

PRISM LABORATORIES, INC.
Full Service Analytical & Environmental Solutions

Parameter: CHROMIUM, TOTAL IN GROUNDWATER
Method reference: 6010
Result: Less than
Date started: 03/30/98
Time started: 16:00
Unit: mg/L
MDL or sensitivity: 0.05
Date finished: 03/30/98
Analyst: LAM

Parameter: LEAD, TOTAL IN GROUNDWATER
Method reference: 6010
Result: Less than
Date started: 03/30/98
Time started: 16:00
Unit: mg/L
MDL or sensitivity: 0.015
Date finished: 03/30/98
Analyst: LAM

Parameter: SILVER, TOTAL, IN GROUNDWATER
Method reference: 6010
Result: Less than
Date started: 03/30/98
Time started: 16:00
Unit: mg/L
MDL or sensitivity: 0.018
Date finished: 03/30/98
Analyst: LAM

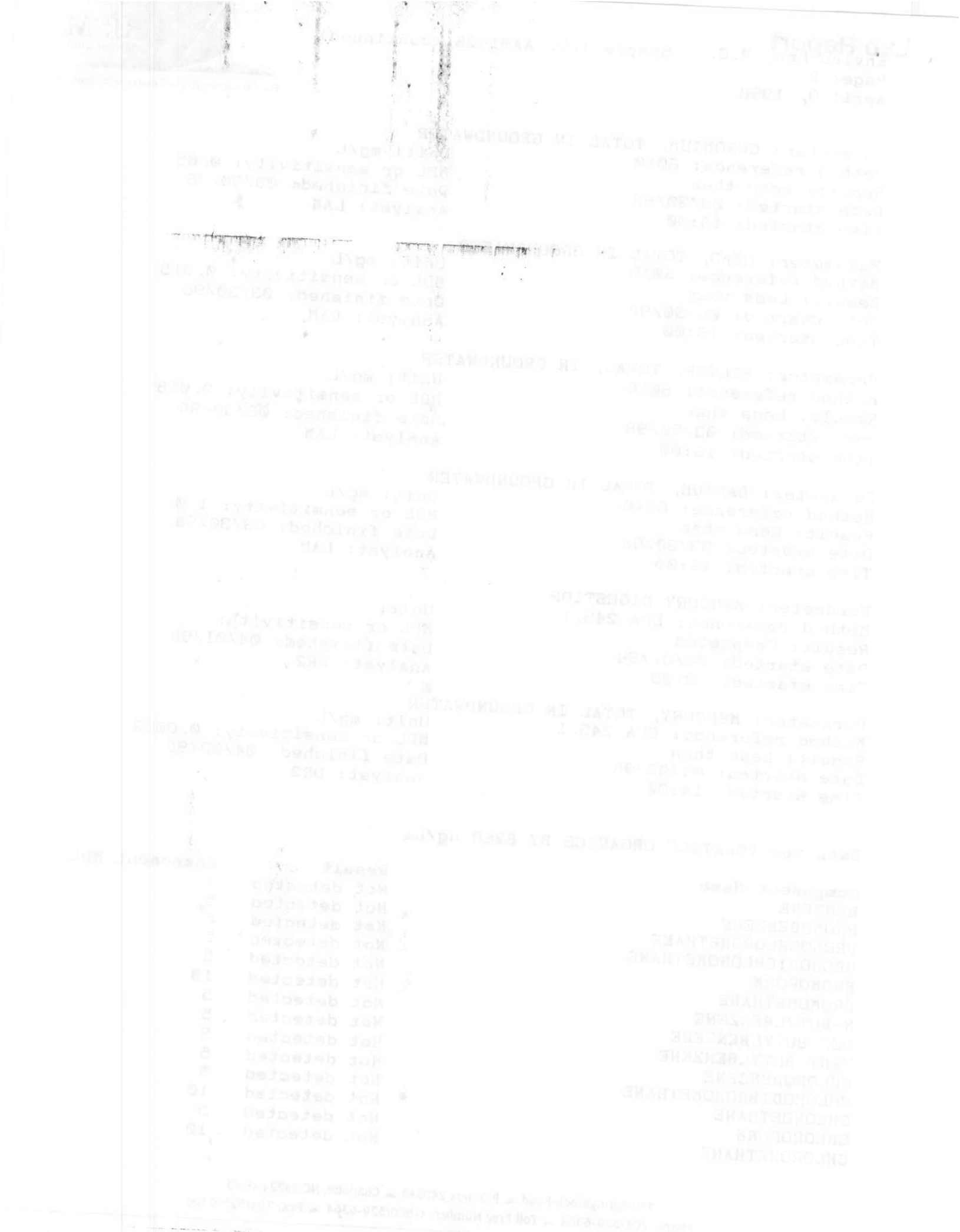
Parameter: BARIUM, TOTAL IN GROUNDWATER
Method reference: 6010
Result: Less than
Date started: 03/30/98
Time started: 16:00
Unit: mg/L
MDL or sensitivity: 1.0
Date finished: 03/30/98
Analyst: LAM

Parameter: MERCURY DIGESTION
Method reference: EPA 245.1
Result: Completed
Date started: 04/01/98
Time started: 13:00
Unit:
MDL or sensitivity:
Date finished: 04/01/98
Analyst: DR2

Parameter: MERCURY, TOTAL IN GROUNDWATER
Method reference: EPA 245.1
Result: Less than
Date started: 04/02/98
Time started: 14:00
Unit: mg/L
MDL or sensitivity: 0.0002
Date finished: 04/02/98
Analyst: DR2

Data for VOLATILE ORGANICS BY 8260 ug/L:

Component Name	Result	Component MDL
BENZENE	Not detected	5
BROMOBENZENE	Not detected	5
BROMOCHLOROMETHANE	Not detected	5
BROMODICHLOROMETHANE	Not detected	5
BROMOFORM	Not detected	5
BROMOMETHANE	Not detected	10
N-BUTYLBENZENE	Not detected	5
SEC-BUTYLBENZENE	Not detected	5
TERT-BUTYLBENZENE	Not detected	5
CHLOROBENZENE	Not detected	5
CHLORODIBROMOMETHANE	Not detected	5
CHLOROETHANE	Not detected	10
CHLOROFORM	Not detected	5
CHLOROMETHANE	Not detected	10



PRISM LABORATORIES, INC.
Full Service Analytical & Environmental Solutions

Data for VOLATILE ORGANICS BY 8260 (continued):

Component Name	Result	Component MDL
2-CHLOROTOLUENE	Not detected	2
4-CHLOROTOLUENE	Not detected	2
1,2-DIBROMO-3-CHLOROPROPANE	Not detected	10
1,2-DIBROMOETHANE	Not detected	5
DIBROMOMETHANE	Not detected	5
1,2-DICHLOROBENZENE	Not detected	5
1,3-DICHLOROBENZENE	Not detected	5
1,4-DICHLOROBENZENE	Not detected	5
DICHLORODIFLUOROMETHANE	Not detected	10
1,1-DICHLOROETHANE	Not detected	5
1,2-DICHLOROETHANE	Not detected	5
1,1-DICHLOROETHENE	Not detected	5
CIS-1,2-DICHLOROETHENE	Not detected	5
TRANS-1,2-DICHLOROETHENE	Not detected	5
1,2-DICHLOROPROPANE	Not detected	5
1,3-DICHLOROPROPANE	Not detected	5
2,2-DICHLOROPROPANE	Not detected	5
1,1-DICHLOROPROPENE	Not detected	5
ETHYLBENZENE	Not detected	5
HEXACHLOROBUTADIENE	Not detected	5
ISOPROPYLBENZENE	Not detected	5
P-ISOPROPYLTOLUENE	Not detected	5
METHYLENE CHLORIDE	Not detected	5
NAPHTHALENE	Not detected	5
N-PROPYLBENZENE	Not detected	5
STYRENE	Not detected	5
1,1,1,2-TETRACHLOROETHANE	Not detected	5
1,1,2,2-TETRACHLOROETHANE	Not detected	5
TETRACHLOROETHENE	Not detected	5
TOLUENE	Not detected	5
1,2,3-TRICHLOROBENZENE	Not detected	5
1,2,4-TRICHLOROBENZENE	Not detected	5
1,1,1-TRICHLOROETHANE	Not detected	5
1,1,2-TRICHLOROETHANE	Not detected	5
TRICHLOROETHENE	Not detected	10
TRICHLOROFLUOROMETHANE	Not detected	5
1,2,3-TRICHLOROPROPANE	Not detected	5
1,2,4-TRIMETHYLBENZENE	Not detected	5
1,3,5-TRIMETHYLBENZENE	Not detected	10
VINYL CHLORIDE	Not detected	5
TOTAL XYLENES	Not detected	5
cis-1,3-DICHLOROPROPENE	Not detected	5
trans-1,3-DICHLOROPROPENE	Not detected	50
ACETONE	Not detected	10
2-BUTANONE (MEK)	Not detected	50
CARBON DISULFIDE	Not detected	5
CARBON TETRACHLORIDE	Not detected	10
2-CHLOROETHYLVINYLETHER	Not detected	10
2-HEXANONE	Not detected	10
4-METHYL-2-PENTANONE (MIBK)		

PRISM LABORATORIES, INC.
Full Service Analytical & Environmental Solutions

Sample comments:

Project Name: N. Meck L.F.

If there are any questions regarding this data, please call.

Angela D. Overcash
Laboratory Director

449 Springbrook Road ▲ P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Toll Free Number: 1-800/529-6364 ▲ Fax: 704/525-0409

Lab Report

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

PRISM LABORATORIES, INC.
Full Service Analytical & Environmental Solutions

April 9, 1998

To: Enviro-Pro, P.C.
Attn: Tom Bolyard
15101 Regena Lane
Charlotte, NC 28278
Proj: N. Meck

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

Sample I.D. AA91427
Customer Code: ENVIPRO
Login Group #: 3089D8
Customer Reference: N MECK
Phone Number: (704)583-0075 fax(704)583-2673
Customer Sample I.D#: MW-11
Sample collection date: 03/20/98 Time: 12:35
Lab submittal date: 03/20/98 Time: 14:30
Received by: KSB
Validated by: ADO

Parameter: VOLATILE ORGANICS BY 8260
Method reference: 8260
Unit: ug/L
Result: see below
Date started: 03/26/98
Date finished: 03/26/98
Time started: 21:28
Analyst: MP

Parameter: METALS DIGESTION
Method reference: 3030C
Unit:
Result: Completed
MDL or sensitivity:
Date started: 03/20/98
Date finished: 03/20/98
Time started: 17:00
Analyst: DR2

Parameter: ARSENIC, TOTAL IN GROUNDWATER
Method reference: 6010
Unit: mg/L
Result: Less than
MDL or sensitivity: 0.05
Date started: 03/30/98
Date finished: 03/30/98
Time started: 16:00
Analyst: DHJ

Parameter: SILVER, TOTAL, IN GROUNDWATER
Method reference: 6010
Unit: mg/L
Result: Less than
MDL or sensitivity: 0.018
Date started: 03/30/98
Date finished: 03/30/98
Time started: 16:00
Analyst: DHJ

Parameter: LEAD, TOTAL IN GROUNDWATER
Method reference: 6010
Unit: mg/L
Result: Less than
MDL or sensitivity: 0.015
Date started: 03/30/98
Date finished: 03/30/98
Time started: 16:00
Analyst: DHJ

449 Springbrook Road ▲ P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Toll Free Number: 1-800/529-6364 ▲ Fax: 704/525-0409

PRISM LABORATORIES, INC.
Full Service Analytical & Environmental Solutions

Parameter: CHROMIUM, TOTAL IN GROUNDWATER
Method reference: 6010
Result: Less than
Date started: 03/30/98
Time started: 16:00
Unit: mg/L
MDL or sensitivity: 0.05
Date finished: 03/30/98
Analyst: DHJ

Parameter: CADMIUM, TOTAL IN GROUNDWATER
Method reference: 6010
Result: Less than
Date started: 03/30/98
Time started: 16:00
Unit: mg/L
MDL or sensitivity: 0.005
Date finished: 03/30/98
Analyst: DHJ

Parameter: SELENIUM, TOTAL IN GROUNDWATER
Method reference: 6010
Result: Less than
Date started: 03/30/98
Time started: 16:00
Unit: mg/L
MDL or sensitivity: 0.01
Date finished: 03/30/98
Analyst: DHJ

Parameter: BARIUM, TOTAL IN GROUNDWATER
Method reference: 6010
Result: Less than
Date started: 03/30/98
Time started: 16:00
Unit: mg/L
MDL or sensitivity: 1.0
Date finished: 03/30/98
Analyst: DHJ

Parameter: MERCURY DIGESTION
Method reference: EPA 245.1
Result: Completed
Date started: 04/01/98
Time started: 13:00
Unit:
MDL or sensitivity:
Date finished: 04/01/98
Analyst: DR2

Parameter: MERCURY, TOTAL IN GROUNDWATER
Method reference: EPA 245.1
Result: Less than
Date started: 04/02/98
Time started: 14:00
Unit: mg/L
MDL or sensitivity: 0.0002
Date finished: 04/02/98
Analyst: DR2

Data for VOLATILE ORGANICS BY 8260 ug/L:

Component Name	Result	Component MDL
BENZENE	Not detected	5
BROMOBENZENE	Not detected	5
BROMOCHLOROMETHANE	Not detected	5
BROMODICHLOROMETHANE	Not detected	5
BROMOFORM	Not detected	5
BROMOMETHANE	Not detected	10
N-BUTYLBENZENE	Not detected	5
SEC-BUTYLBENZENE	Not detected	5
TERT-BUTYLBENZENE	Not detected	5
CHLOROBENZENE	Not detected	5
CHLORODIBROMOMETHANE	Not detected	5
CHLOROETHANE	Not detected	10
CHLOROFORM	Not detected	5
CHLOROMETHANE	Not detected	10

PRISM LABORATORIES, INC.
Full Service Analytical & Environmental Solutions

Data for VOLATILE ORGANICS BY 8260 (continued):

Component Name	Result	Component MDL
2-CHLOROTOLUENE	Not detected	2
4-CHLOROTOLUENE	Not detected	2
1,2-DIBROMO-3-CHLOROPROPANE	Not detected	10
1,2-DIBROMOETHANE	Not detected	5
DIBROMOMETHANE	Not detected	5
1,2-DICHLOROBENZENE	Not detected	5
1,3-DICHLOROBENZENE	Not detected	5
1,4-DICHLOROBENZENE	Not detected	5
DICHLORODIFLUOROMETHANE	Not detected	10
1,1-DICHLOROETHANE	Not detected	5
1,2-DICHLOROETHANE	Not detected	5
1,1-DICHLOROETHENE	Not detected	5
CIS-1,2-DICHLOROETHENE	Not detected	5
TRANS-1,2-DICHLOROETHENE	Not detected	5
1,2-DICHLOROPROPANE	Not detected	5
1,3-DICHLOROPROPANE	Not detected	5
2,2-DICHLOROPROPANE	Not detected	5
1,1-DICHLOROPROPENE	Not detected	5
ETHYLBENZENE	Not detected	5
HEXACHLOROBUTADIENE	Not detected	5
ISOPROPYLBENZENE	Not detected	5
P-ISOPROPYLTOLUENE	Not detected	5
METHYLENE CHLORIDE	Not detected	5
NAPHTHALENE	Not detected	5
N-PROPYLBENZENE	Not detected	5
STYRENE	Not detected	5
1,1,1,2-TETRACHLOROETHANE	Not detected	5
1,1,2,2-TETRACHLOROETHANE	Not detected	5
TETRACHLOROETHENE	Not detected	5
TOLUENE	Not detected	5
1,2,3-TRICHLOROBENZENE	Not detected	5
1,2,4-TRICHLOROBENZENE	Not detected	5
1,1,1-TRICHLOROETHANE	Not detected	5
1,1,2-TRICHLOROETHANE	Not detected	5
TRICHLOROETHENE	Not detected	5
TRICHLOROFLUOROMETHANE	Not detected	10
1,2,3-TRICHLOROPROPANE	Not detected	5
1,2,4-TRIMETHYLBENZENE	Not detected	5
1,3,5-TRIMETHYLBENZENE	Not detected	5
VINYL CHLORIDE	Not detected	10
TOTAL XYLENES	Not detected	5
cis-1,3-DICHLOROPROPENE	Not detected	5
trans-1,3-DICHLOROPROPENE	Not detected	5
ACETONE	Not detected	50
2-BUTANONE (MEK)	Not detected	10
CARBON DISULFIDE	Not detected	50
CARBON TETRACHLORIDE	Not detected	5
2-CHLOROETHYLVINYLETHER	Not detected	10
2-HEXANONE	Not detected	10
4-METHYL-2-PENTANONE (MIBK)	Not detected	10

PRISM LABORATORIES, INC.
Full Service Analytical & Environmental Solutions

Sample comments:

Project Name: N. Meck L.F.

If there are any questions regarding this data, please call.

Angela D. Overcash
Laboratory Director

449 Springbrook Road ▲ P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Toll Free Number: 1-800/529-6364 ▲ Fax: 704/525-0409

Lab Report

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

PRISM LABORATORIES, INC.
Full Service Analytical & Environmental Solutions

April 9, 1998

To: Enviro-Pro, P.C.
Attn: Tom Bolyard
15101 Regena Lane
Charlotte, NC 28278
Proj: N. Meck

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

Sample I.D. AA91428
Customer Code: ENVIPRO
Login Group #: 3089D8
Customer Reference: N MECK
Phone Number: (704)583-0075 fax(704)583-2673
Customer Sample I.D#: FIELD BLANK
Sample collection date: 03/20/98 Time: 12:45
Lab submittal date: 03/20/98 Time: 14:30
Received by: KSB
Validated by: ADO

Parameter: VOLATILE ORGANICS BY 8260
Method reference: 8260
Result: see below
Unit: ug/L
Date started: 03/27/98
Date finished: 03/27/98
Time started: 12:15
Analyst: MP

Parameter: METALS DIGESTION
Method reference: 3030C
Result: Completed
Unit:
MDL or sensitivity:
Date started: 03/20/98
Date finished: 03/20/98
Time started: 17:00
Analyst: DR2

Parameter: ARSENIC, TOTAL IN GROUNDWATER
Method reference: 6010
Result: Less than
Unit: mg/L
MDL or sensitivity: 0.05
Date started: 03/30/98
Date finished: 03/30/98
Time started: 16:00
Analyst: DHJ

Parameter: SELENIUM, TOTAL IN GROUNDWATER
Method reference: 6010
Result: Less than
Unit: mg/L
MDL or sensitivity: 0.01
Date started: 03/30/98
Date finished: 03/30/98
Time started: 16:00
Analyst: DHJ

Parameter: CADMIUM, TOTAL IN GROUNDWATER
Method reference: 6010
Result: Less than
Unit: mg/L
MDL or sensitivity: 0.005
Date started: 03/30/98
Date finished: 03/30/98
Time started: 16:00
Analyst: DHJ

449 Springbrook Road ▲ P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Toll Free Number: 1-800/529-6364 ▲ Fax: 704/525-0409

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Full Service Analytical & Environmental Solutions

Parameter: CHROMIUM, TOTAL IN GROUNDWATER
Method reference: 6010 — Unit: mg/L
Result: Less than — MDL or sensitivity: 0.05
Date started: 03/30/98 — Date finished: 03/30/98
Time started: 16:00 — Analyst: DHJ

Parameter: LEAD, TOTAL IN GROUNDWATER
Method reference: 6010 — Unit: mg/L
Result: Less than — MDL or sensitivity: 0.015
Date started: 03/30/98 — Date finished: 03/30/98
Time started: 16:00 — Analyst: DHJ

Parameter: SILVER, TOTAL, IN GROUNDWATER
Method reference: 6010 — Unit: mg/L
Result: Less than — MDL or sensitivity: 0.018
Date started: 03/30/98 — Date finished: 03/30/98
Time started: 16:00 — Analyst: DHJ

Parameter: BARIUM, TOTAL IN GROUNDWATER
Method reference: 6010 — Unit: mg/L
Result: Less than — MDL or sensitivity: 1.0
Date started: 03/30/98 — Date finished: 03/30/98
Time started: 16:00 — Analyst: DHJ

Parameter: MERCURY DIGESTION
Method reference: EPA 245.1 — Unit:
Result: Completed — MDL or sensitivity:
Date started: 04/01/98 — Date finished: 04/01/98
Time started: 13:00 — Analyst: DR2

Parameter: MERCURY, TOTAL IN GROUNDWATER
Method reference: EPA 245.1 — Unit: mg/L
Result: Less than — MDL or sensitivity: 0.0002
Date started: 04/02/98 — Date finished: 04/02/98
Time started: 14:00 — Analyst: DR2

Data for VOLATILE ORGANICS BY 8260 ug/L:

Component Name	Result	Component MDL
BENZENE	Not detected	5
BROMOBENZENE	Not detected	5
BROMOCHLOROMETHANE	Not detected	5
BROMODICHLOROMETHANE	Not detected	5
BROMOFORM	Not detected	5
BROMOMETHANE	Not detected	10
N-BUTYLBENZENE	Not detected	5
SEC-BUTYLBENZENE	Not detected	5
TERT-BUTYLBENZENE	Not detected	5
CHLOROBENZENE	Not detected	5
CHLORODIBROMOMETHANE	Not detected	5
CHLOROETHANE	Not detected	10
CHLOROFORM	Not detected	5
CHLOROMETHANE	Not detected	10

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Data for VOLATILE ORGANICS BY 8260 (continued):

Component Name	Result	Component MDL
2-CHLOROTOLUENE	Not detected	2
4-CHLOROTOLUENE	Not detected	2
1,2-DIBROMO-3-CHLOROPROPANE	Not detected	10
1,2-DIBROMOETHANE	Not detected	5
DIBROMOMETHANE	Not detected	5
1,2-DICHLOROBENZENE	Not detected	5
1,3-DICHLOROBENZENE	Not detected	5
1,4-DICHLOROBENZENE	Not detected	5
DICHLORODIFLUOROMETHANE	Not detected	10
1,1-DICHLOROETHANE	Not detected	5
1,2-DICHLOROETHANE	Not detected	5
1,1-DICHLOROETHENE	Not detected	5
CIS-1,2-DICHLOROETHENE	Not detected	5
TRANS-1,2-DICHLOROETHENE	Not detected	5
1,2-DICHLOROPROPANE	Not detected	5
1,3-DICHLOROPROPANE	Not detected	5
2,2-DICHLOROPROPANE	Not detected	5
1,1-DICHLOROPROPENE	Not detected	5
ETHYLBENZENE	Not detected	5
HEXACHLOROBUTADIENE	Not detected	5
ISOPROPYLBENZENE	Not detected	5
P-ISOPROPYLTOLUENE	Not detected	5
METHYLENE CHLORIDE	Not detected	5
NAPHTHALENE	Not detected	5
N-PROPYLBENZENE	Not detected	5
STYRENE	Not detected	5
1,1,1,2-TETRACHLOROETHANE	Not detected	5
1,1,2,2-TETRACHLOROETHANE	Not detected	5
TETRACHLOROETHENE	Not detected	5
TOLUENE	Not detected	5
1,2,3-TRICHLOROBENZENE	Not detected	5
1,2,4-TRICHLOROBENZENE	Not detected	5
1,1,1-TRICHLOROETHANE	Not detected	5
1,1,2-TRICHLOROETHANE	Not detected	5
TRICHLOROETHENE	Not detected	5
TRICHLOROFLUOROMETHANE	Not detected	10
1,2,3-TRICHLOROPROPANE	Not detected	5
1,2,4-TRIMETHYLBENZENE	Not detected	5
1,3,5-TRIMETHYLBENZENE	Not detected	5
VINYL CHLORIDE	Not detected	10
TOTAL XYLENES	Not detected	5
cis-1,3-DICHLOROPROPENE	Not detected	5
trans-1,3-DICHLOROPROPENE	Not detected	5
ACETONE	Not detected	50
2-BUTANONE (MEK)	Not detected	10
CARBON DISULFIDE	Not detected	50
CARBON TETRACHLORIDE	Not detected	5
2-CHLOROETHYLVINYLETHER	Not detected	10
2-HEXANONE	Not detected	10
4-METHYL-2-PENTANONE (MIBK)	Not detected	10

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Sample comments:

Project Name: N. Meck L.F.

If there are any questions regarding this data, please call.

Angela D. Overcash
Laboratory Director

449 Springbrook Road ▲ P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Toll Free Number: 1-800/529-6364 ▲ Fax: 704/525-0409

Lab Report

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

PRISM LABORATORIES, INC.
Full Service Analytical & Environmental Solutions

April 9, 1998

To: Enviro-Pro, P.C.
Attn: Tom Bolyard
15101 Regena Lane
Charlotte, NC 28278
Proj: N. Meck

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

Sample I.D. AA91429
Customer Code: ENVIPRO
Login Group #: 3089D8
Customer Reference: N MECK
Phone Number: (704)583-0075 fax(704)583-2673
Customer Sample I.D#: TRIP BLANK
Lab submittal date: 03/20/98
Time: 14:30
Received by: KSB
Validated by: ADO

Parameter: VOLATILE ORGANICS BY 8260
Method reference: 8260
Unit: ug/L
Result: see below
Date started: 03/27/98
Date finished: 03/27/98
Time started: 13:15
Analyst: MP

Data for VOLATILE ORGANICS BY 8260 ug/L:

Component Name	Result	Component MDL
BENZENE	Not detected	5
BROMOBENZENE	Not detected	5
BROMOCHLOROMETHANE	Not detected	5
BROMODICHLOROMETHANE	Not detected	5
BROMOFORM	Not detected	5
BROMOMETHANE	Not detected	10
N-BUTYLBENZENE	Not detected	5
SEC-BUTYLBENZENE	Not detected	5
TERT-BUTYLBENZENE	Not detected	5
CHLOROBENZENE	Not detected	5
CHLORODIBROMOMETHANE	Not detected	5
CHLOROETHANE	Not detected	10
CHLOROFORM	Not detected	5
CHLOROMETHANE	Not detected	10
2-CHLOROTOLUENE	Not detected	2
4-CHLOROTOLUENE	Not detected	2
1,2-DIBROMO-3-CHLOROPROPANE	Not detected	10
1,2-DIBROMOETHANE	Not detected	5
DIBROMOMETHANE	Not detected	5
1,2-DICHLOROBENZENE	Not detected	5
1,3-DICHLOROBENZENE	Not detected	5
1,4-DICHLOROBENZENE	Not detected	5

PRISM LABORATORIES, INC.
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Data for VOLATILE ORGANICS BY 8260 (continued):

Component Name	Result	Component MDL
DICHLORODIFLUOROMETHANE	Not detected	10
1,1-DICHLOROETHANE	Not detected	5
1,2-DICHLOROETHANE	Not detected	5
1,1-DICHLOROETHENE	Not detected	5
CIS-1,2-DICHLOROETHENE	Not detected	5
TRANS-1,2-DICHLOROETHENE	Not detected	5
1,2-DICHLOROPROPANE	Not detected	5
1,3-DICHLOROPROPANE	Not detected	5
2,2-DICHLOROPROPANE	Not detected	5
1,1-DICHLOROPROPENE	Not detected	5
ETHYLBENZENE	Not detected	5
HEXACHLOROBUTADIENE	Not detected	5
ISOPROPYLBENZENE	Not detected	5
P-ISOPROPYLTOLUENE	Not detected	5
METHYLENE CHLORIDE	Not detected	5
NAPHTHALENE	Not detected	5
N-PROPYLBENZENE	Not detected	5
STYRENE	Not detected	5
1,1,1,2-TETRACHLOROETHANE	Not detected	5
1,1,2,2-TETRACHLOROETHANE	Not detected	5
TETRACHLOROETHENE	Not detected	5
TOLUENE	Not detected	5
1,2,3-TRICHLOROBENZENE	Not detected	5
1,2,4-TRICHLOROBENZENE	Not detected	5
1,1,1-TRICHLOROETHANE	Not detected	5
1,1,2-TRICHLOROETHANE	Not detected	5
TRICHLOROETHENE	Not detected	5
TRICHLOROFLUOROMETHANE	Not detected	10
1,2,3-TRICHLOROPROPANE	Not detected	5
1,2,4-TRIMETHYLBENZENE	Not detected	5
1,3,5-TRIMETHYLBENZENE	Not detected	5
VINYL CHLORIDE	Not detected	10
TOTAL XYLENES	Not detected	5
cis-1,3-DICHLOROPROPENE	Not detected	5
trans-1,3-DICHLOROPROPENE	Not detected	5
ACETONE	Not detected	50
2-BUTANONE (MEK)	Not detected	10
CARBON DISULFIDE	Not detected	50
CARBON TETRACHLORIDE	Not detected	5
2-CHLOROETHYLVINYLETHER	Not detected	10
2-HEXANONE	Not detected	10
4-METHYL-2-PENTANONE (MIBK)	Not detected	10

Sample comments:

Project Name: N. Meck L.F.

PRISM LABORATORIES, INC.
Full Service Analytical & Environmental Solutions

If there are any questions regarding this data, please call.

Angela D. Overcash
Laboratory Director

449 Springbrook Road ▲ P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Toll Free Number: 1-800/529-6364 ▲ Fax: 704/525-0409

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

449 Springbrook Road ▲ Charlotte, NC 28217
P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Fax: 704/525-0409

Full Service Analytical & Environmental Solutions

LAB USE ONLY

	YES	NO	N/A
Samples INTACT upon arrival?	✓		
Received ON WET ICE? Temp ____	✓		
PROPER PRESERVATIVES indicated?	✓		
Received WITHIN HOLDING TIMES?	✓		
CUSTODY SEALS INTACT?			✓
VOLATILES rec'd W/OUT HEADSPACE?	✓		
PROPER CONTAINERS used?	✓		

Client: Enviro-Pro, P.C.
Physical Address: 15101 Regena Ln. Charlotte, NC 28278
Phone: 583-0075 Fax:
P.O.#/Billing Reference: EP-1217
Project Name: N. Meck. L.F.

PRESS DOWN FIRMLY - 3 COPIES

REPORT TO: Name: T. Bolyard
Address: Same
BILL TO: Name:
Address: Same
Requested Due Date:

(SEE REVERSE SIDE FOR RUSH TURNAROUND FEES)

State Certification Requested: NC ✓ SC ___ Other ___ NA ___
Water Chlorinated: Yes ___ No ___ NA ✓
Sample Iced Upon Collection: Yes ✓ No ___

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER *TYPE SEE BELOW	NO.	SIZE	PRESERVATIVES	ANALYSES REQUESTED 8260	8 RCRA Metals	REMARKS	SUB LAB CERT. ID NO.	PRISM LAB ID NO.
MW-1	3-20-98	11:45	H_2O	G/P	3/1	40ml/500ml	HCL/HNO3	✓	✓			91472
MW-4		11:55						✓	✓			91473
MW-5		12:05						✓	✓			91424
MW-6		12:15						✓	✓			91425
MW-10		12:25						✓	✓			91426
MW-11		12:35						✓	✓			91427
Field Blank		12:45						✓	✓			91428
Trip Blank				G	3	40ml	HCL	✓				91429

Sampler's Signature: T. Bolyard Sampled By (Print Name): T. Bolyard Affiliation: Enviro-Pro

Relinquished By: (Signature) T. Bolyard	Received By: (Signature)	Date 3/20	Military/Hours 14:30
Relinquished By: (Signature)	Received By: (Signature)	Date	
Relinquished By: (Signature)	Received For Prism Laboratories By: Kelly Burke	Date 3/20/98	1430
Method of Shipment:		Log-In Group No. 10593	

Additional Comments: Pricing Per Angie - 3/19/98
Don't Fax Results.

NPDES: NC ___ SC ___ OTHER ___ UST: NC ___ SC ___ OTHER ___ GROUNDWATER: NC ___ SC ___ OTHER ___ DRINKING WATER: NC ___ SC ___ OTHER ___ SOLID WASTE: NC ___ SC ___ OTHER ___ OTHER: NC ___ SC ___ OTHER ___

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

SEE REVERSE FOR TERMS & CONDITIONS

FINAL REPORT COPY

APPENDIX B

WELL DEVELOPMENT, PURGE, AND SAMPLE RECORD

CLIENT: North Mecklenburg Landfill
LOCATION: 15300 Holbrooks Road
PROJECT NAME/DESCRIPTION: North Meck. Landfill
DATE OF WATER LEVEL MEASUREMENTS: 3-20-98

DEVELOP:
PURGING: ✓
SAMPLING: ✓

PROJECT NO.: EP-1217
PROJ. MGR.: FB
CHECKED BY:
PREPARED BY: FB

Sample ID	A Well No.	B Sample Date	C Time (hrs)	D Well Depth (ft)	E MP Elevation (ft)	F Depth to Water (ft-bmp)	(E - F) = G Water Level Elevation (ft)	(D - F) = H Hgt. of Water Col. (ft)	I Volume of Water (gal)*	Vol. of Water Pgd. (gal)**	Temp. (°C)	Specific Cond. (umhos)	pH	Turbidity or Appearance
	MW-1	3-20-98	11:45	25		13.96		11.04		6				
	MW-4	"	12:55	42		27.20		14.80		8				
	MW-5	"	12:05	55		27.77		27.23		14				
	MW-6	"	12:15	67		57.91		9.09		5				
	MW-10	"	12:25	19		9.03		9.97		5				
	MW-11	"	12:35	80		61.45		18.55		9				

Comments:

*To calculate volume of water in the well multiply "H" by 0.163 for a 2" well, 0.652 for a 4" well, or 1.469 for a 6" well.

**To calculate purge volume, multiply "I" by the desired number of well volumes (e.g., 3 to 5) e.g., after each well volume).