60-13

~~5-5-97~~ 4-11-97

NORTH MECKLENBURG LANDFILL

• 15300 Holbrooks Road • Huntersville, North Carolina 28078 •

May 14, 1997

Mr. Bobby Lufty
North Carolina Department of Environment
Health and Natural Resources
P O Box 27687
Raleigh, NC 27611-7687

Subject: Report of Semi Annual Ground Water Sampling
North Mecklenburg Landfill - Huntersville, N. C.

Dear Mr. Lufty:

Attached are the semi annual ground water monitoring results for first quarter of 1997.

Based on the Enviro-Pro report dated May 5, 1997, no VOC compounds or 8 RCRA metals were present above their respective detection limits in any of the wells tested.

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

Sincerely,

Ronald C Gilkerson
Senior Geologist

- Data ok (MC in TB)
- X Method for several metals
- Lab certification for 6010 metals analysis?
- Cannot verify, via our files, if the monitoring system is correct.

ENVIRO-PRO
PROFESSIONAL CORPORATION

"Original" - For Submission to the State.

May 5, 1997

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 April 11, 1997, 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

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

wells were purged using dedicated disposable Teflon bailers.

3) Each well was then sampled utilizing laboratory prepared containers, labeled, and packed in 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 information obtained is summarized on the Well Development, Purge, and Sample Record included as Appendix B. Groundwater levels had risen from 0.12 feet in MW-1 to 2.26 feet in MW-11 since the previous sampling event on September 2, 1996.

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, Inc. Laboratory data sheets are attached as Appendix B, with a summary of groundwater analytical results presented in Table 1.

Laboratory test results indicated that none of the RCRA metals were identified above their respective detection limits in any of the monitor wells sampled. Similarly, no VOC compounds were present above their respective detection limits in any of the well samples tested. Methylene chloride was detected at 8 parts per billion in the laboratory-prepared trip blank.

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

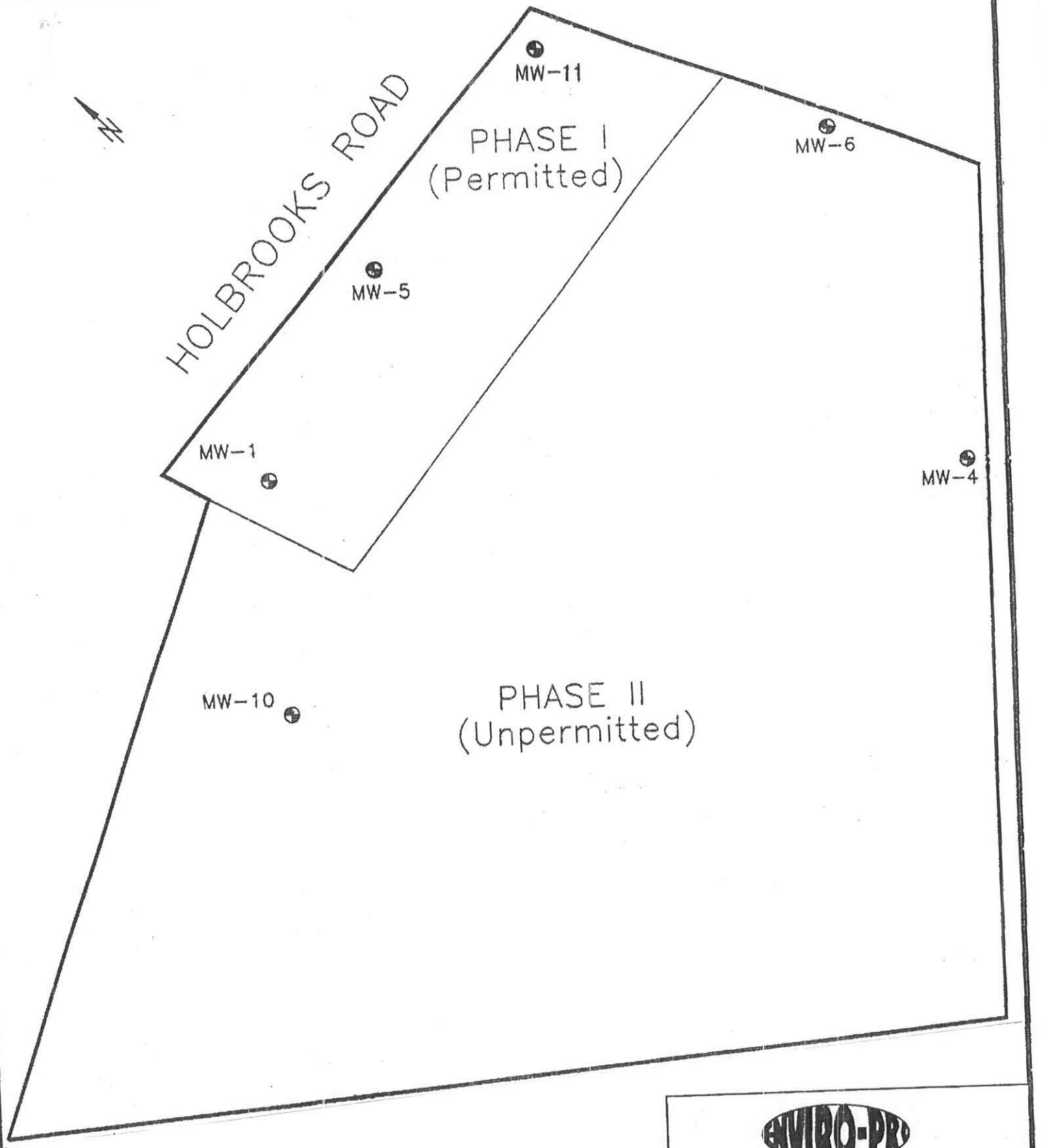
Thomas H. Bolyard, P.G.
Senior Hydrogeologist

TABLE 1

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
North Mecklenburg Landfill
Huntersville, North Carolina
April 11,1997 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
Cadmium	BDL	BDL	BDL	BDL	BDL	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
Barium	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.0
All 8260 Compounds	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	

Notes: BDL = Below Detection Limits
All Results Are Presented in Parts Per Million



ENVIRO-PRO
PROFESSIONAL CORPORATION

FIGURE 1: SITE PLAN
N. Mecklenburg Landfill
Huntersville, NC

PROJECT #	DRAWN BY	SCALE	DATE
EP-1217	THB	1"=200'	9/23/96

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 30, 1997

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

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

Sample I.D. AA66977
Customer Code: ENVIPRO
Login Group #: 3125C8
Customer Reference: NMECHLAN
Phone Number: (704)583-0075 fax(704)583-2673
Customer Sample I.D#: MW-1
Sample collection date: 04/11/97 Time: 12:55
Lab submittal date: 04/11/97 Time: 14:45
Received by: CP Validated by: CP

Parameter: VOLATILE ORGANICS BY 8260
Method reference: 8260 Unit: ug/L
Result: see below Date finished: 04/24/97
Date started: 04/24/97 Analyst: MP
Time started: 13:38

Parameter: ARSENIC, TOTAL IN GROUNDWATER
Method reference: 6010 Unit: mg/L
Result: Less than MDL or sensitivity: 0.05
Date started: 04/25/97 Date finished: 04/25/97
Time started: 05:30 Analyst: LAS

Parameter: SELENIUM, TOTAL IN GROUNDWATER
Method reference: 6010 Unit: mg/L
Result: Less than MDL or sensitivity: 0.01
Date started: 04/25/97 Date finished: 04/25/97
Time started: 05:30 Analyst: LAS

Parameter: CADMIUM, TOTAL IN GROUNDWATER
Method reference: 6010 Unit: mg/L
Result: Less than MDL or sensitivity: 0.005
Date started: 04/25/97 Date finished: 04/25/97
Time started: 05:30 Analyst: LAS

Parameter: CHROMIUM, TOTAL IN GROUNDWATER
Method reference: 6010 Unit: mg/L
Result: Less than MDL or sensitivity: 0.05
Date started: 04/25/97 Date finished: 04/25/97
Time started: 05:30 Analyst: LAS

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

Parameter: LEAD, TOTAL IN GROUNDWATER
Method reference: 6010
Result: Less than
Date started: 04/25/97
Time started: 05:30
Unit: mg/L
MDL or sensitivity: 0.015
Date finished: 04/25/97
Analyst: LAS

Parameter: SILVER, TOTAL, IN GROUNDWATER
Method reference: 6010
Result: Less than
Date started: 04/25/97
Time started: 05:30
Unit: mg/L
MDL or sensitivity: 0.018
Date finished: 04/25/97
Analyst: LAS

Parameter: MERCURY, TOTAL
Method reference: EPA 245.1
Result: Less than
Date started: 04/15/97
Time started: 15:00
Unit: mg/L
MDL or sensitivity: 0.0002
Date finished: 04/15/97
Analyst: JAM

Parameter: MERCURY DIGESTION
Method reference: EPA 245.1
Result: Completed
Date started: 04/14/97
Time started: 13:00
Unit:
MDL or sensitivity:
Date finished: 04/14/97
Analyst: JAM

Parameter: BARIUM, TOTAL IN GROUNDWATER
Method reference: 6010
Result: Less than
Date started: 04/25/97
Time started: 05:30
Unit: mg/L
MDL or sensitivity: 1.0
Date finished: 04/25/97
Analyst: LAS

Parameter: METALS DIGESTION METHOD 3030C
Method reference: 3030C
Result: Completed
Date started: 04/11/97
Time started: 15:00
Unit:
MDL or sensitivity:
Date finished: 04/11/97
Analyst: JAM

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	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

Lab Report

PRISM LABORATORIES, INC.
Full Service Analytical & Environmental Solutions

Sample comments:

PO# EP-1217
Project Name: N Mecklenburg Landfill

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 30, 1997

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

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

Sample I.D. AA66978
Customer Code: ENVIPRO
Customer Reference: NMECHLAN
Login Group #: 3125C8
Phone Number: (704)583-0075 fax(704)583-2673
Customer Sample I.D#: MW-4
Sample collection date: 04/11/97 Time: 13:18
Lab submittal date: 04/11/97 Time: 14:45
Received by: CP Validated by: CP

Parameter: VOLATILE ORGANICS BY 8260
Method reference: 8260 Unit: ug/L
Result: see below
Date started: 04/24/97 Date finished: 04/24/97
Time started: 16:29 Analyst: MP

Parameter: ARSENIC, TOTAL IN GROUNDWATER
Method reference: 6010 Unit: mg/L
Result: Less than MDL or sensitivity: 0.05
Date started: 04/25/97 Date finished: 04/25/97
Time started: 05:30 Analyst: LAS

Parameter: SELENIUM, TOTAL IN GROUNDWATER
Method reference: 6010 Unit: mg/L
Result: Less than MDL or sensitivity: 0.01
Date started: 04/25/97 Date finished: 04/25/97
Time started: 05:30 Analyst: LAS

Parameter: CADMIUM, TOTAL IN GROUNDWATER
Method reference: 6010 Unit: mg/L
Result: Less than MDL or sensitivity: 0.005
Date started: 04/25/97 Date finished: 04/25/97
Time started: 05:30 Analyst: LAS

Parameter: CHROMIUM, TOTAL IN GROUNDWATER
Method reference: 6010 Unit: mg/L
Result: Less than MDL or sensitivity: 0.05
Date started: 04/25/97 Date finished: 04/25/97
Time started: 05:30 Analyst: LAS

Lab Report

PRISM LABORATORIES, INC.
Full Service Analytical & Environmental Solutions

Parameter: LEAD, TOTAL IN GROUNDWATER
Method reference: 6010
Result: Less than
Date started: 04/25/97
Time started: 05:30
Unit: mg/L
MDL or sensitivity: 0.015
Date finished: 04/25/97
Analyst: LAS

Parameter: SILVER, TOTAL, IN GROUNDWATER
Method reference: 6010
Result: Less than
Date started: 04/25/97
Time started: 05:30
Unit: mg/L
MDL or sensitivity: 0.018
Date finished: 04/25/97
Analyst: LAS

Parameter: MERCURY, TOTAL
Method reference: EPA 245.1
Result: Less than
Date started: 04/15/97
Time started: 15:00
Unit: mg/L
MDL or sensitivity: 0.0002
Date finished: 04/15/97
Analyst: JAM

Parameter: MERCURY DIGESTION
Method reference: EPA 245.1
Result: Completed
Date started: 04/14/97
Time started: 13:00
Unit:
MDL or sensitivity:
Date finished: 04/14/97
Analyst: JAM

Parameter: BARIUM, TOTAL IN GROUNDWATER
Method reference: 6010
Result: Less than
Date started: 04/25/97
Time started: 05:30
Unit: mg/L
MDL or sensitivity: 1.0
Date finished: 04/25/97
Analyst: LAS

Parameter: METALS DIGESTION METHOD 3030C
Method reference: 3030C
Result: Completed
Date started: 04/11/97
Time started: 15:00
Unit:
MDL or sensitivity:
Date finished: 04/11/97
Analyst: JAM

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)		

Lab Report

Enviro-Pro, P.C. Sample I.D. AA66978 (continued)
Page: 4
April 30, 1997

PRISM LABORATORIES, INC.
Full Service Analytical & Environmental Solutions

Sample comments:

PO# EP-1217
Project Name: N Mecklenburg Landfill

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 30, 1997

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

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

Sample I.D. AA66979
Customer Code: ENVIPRO
Customer Reference: NMECHLAN
Login Group #: 3125C8
Phone Number: (704)583-0075 fax(704)583-2673
Customer Sample I.D#: MW-5
Sample collection date: 04/11/97 Time: 13:00
Lab submittal date: 04/11/97 Time: 14:45
Received by: CP Validated by: CP

Parameter: VOLATILE ORGANICS BY 8260
Method reference: 8260 Unit: ug/L
Result: see below
Date started: 04/24/97 Date finished: 04/24/97
Time started: 17:13 Analyst: MP

Parameter: ARSENIC, TOTAL IN GROUNDWATER
Method reference: 6010 Unit: mg/L
Result: Less than MDL or sensitivity: 0.05
Date started: 04/25/97 Date finished: 04/25/97
Time started: 05:30 Analyst: LAS

Parameter: SELENIUM, TOTAL IN GROUNDWATER
Method reference: 6010 Unit: mg/L
Result: Less than MDL or sensitivity: 0.01
Date started: 04/25/97 Date finished: 04/25/97
Time started: 05:30 Analyst: LAS

Parameter: CADMIUM, TOTAL IN GROUNDWATER
Method reference: 6010 Unit: mg/L
Result: Less than MDL or sensitivity: 0.005
Date started: 04/25/97 Date finished: 04/25/97
Time started: 05:30 Analyst: LAS

Parameter: CHROMIUM, TOTAL IN GROUNDWATER
Method reference: 6010 Unit: mg/L
Result: Less than MDL or sensitivity: 0.05
Date started: 04/25/97 Date finished: 04/25/97
Time started: 05:30 Analyst: LAS

Lab Report

PRISM LABORATORIES, INC.
Full Service Analytical & Environmental Solutions

Parameter: LEAD, TOTAL IN GROUNDWATER
Method reference: 6010
Result: Less than
Date started: 04/25/97
Time started: 05:30
Unit: mg/L
MDL or sensitivity: 0.015
Date finished: 04/25/97
Analyst: LAS

Parameter: SILVER, TOTAL, IN GROUNDWATER
Method reference: 6010
Result: Less than
Date started: 04/25/97
Time started: 05:30
Unit: mg/L
MDL or sensitivity: 0.018
Date finished: 04/25/97
Analyst: LAS

Parameter: MERCURY, TOTAL
Method reference: EPA 245.1
Result: Less than
Date started: 04/15/97
Time started: 15:00
Unit: mg/L
MDL or sensitivity: 0.0002
Date finished: 04/15/97
Analyst: JAM

Parameter: MERCURY DIGESTION
Method reference: EPA 245.1
Result: Completed
Date started: 04/14/97
Time started: 13:00
Unit:
MDL or sensitivity:
Date finished: 04/14/97
Analyst: JAM

Parameter: BARIUM, TOTAL IN GROUNDWATER
Method reference: 6010
Result: Less than
Date started: 04/25/97
Time started: 05:30
Unit: mg/L
MDL or sensitivity: 1.0
Date finished: 04/25/97
Analyst: LAS

Parameter: METALS DIGESTION METHOD 3030C
Method reference: 3030C
Result: Completed
Date started: 04/11/97
Time started: 15:00
Unit:
MDL or sensitivity:
Date finished: 04/11/97
Analyst: JAM

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)		

PRISM LABORATORIES, INC.
Full Service Analytical & Environmental Solutions

Sample comments:

PO# EP-1217
Project Name: N MecKlenburg Landfill

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

Angela D. Overcash
Laboratory Director

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 30, 1997

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

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

Sample I.D. AA66980
Customer Code: ENVIPRO
Customer Reference: NMECHLAN
Login Group #: 3125C8
Phone Number: (704)583-0075 fax(704)583-2673
Customer Sample I.D#: MW-6
Sample collection date: 04/11/97 Time: 13:15
Lab submittal date: 04/11/97 Time: 14:45
Received by: CP Validated by: CP

Parameter: VOLATILE ORGANICS BY 8260
Method reference: 8260 Unit: ug/L
Result: see below Date finished: 04/24/97
Date started: 04/24/97 Analyst: MP
Time started: 16:00

Parameter: ARSENIC, TOTAL IN GROUNDWATER
Method reference: 6010 Unit: mg/L
Result: Less than MDL or sensitivity: 0.05
Date started: 04/25/97 Date finished: 04/24/97
Time started: 05:30 Analyst: LAS

Parameter: SELENIUM, TOTAL IN GROUNDWATER
Method reference: 6010 Unit: mg/L
Result: Less than MDL or sensitivity: 0.01
Date started: 04/25/97 Date finished: 04/24/97
Time started: 05:30 Analyst: LAS

Parameter: CADMIUM, TOTAL IN GROUNDWATER
Method reference: 6010 Unit: mg/L
Result: Less than MDL or sensitivity: 0.005
Date started: 04/25/97 Date finished: 04/24/97
Time started: 05:30 Analyst: LAS

Parameter: CHROMIUM, TOTAL IN GROUNDWATER
Method reference: 6010 Unit: mg/L
Result: Less than MDL or sensitivity: 0.05
Date started: 04/25/97 Date finished: 04/24/97
Time started: 05:30 Analyst: LAS

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

Parameter: LEAD, TOTAL IN GROUNDWATER
Method reference: 6010
Result: Less than
Date started: 04/25/97
Time started: 05:30
Unit: mg/L
MDL or sensitivity: 0.015
Date finished: 04/24/97
Analyst: LAS

Parameter: SILVER, TOTAL, IN GROUNDWATER
Method reference: 6010
Result: Less than
Date started: 04/25/97
Time started: 05:30
Unit: mg/L
MDL or sensitivity: 0.018
Date finished: 04/24/97
Analyst: LAS

Parameter: MERCURY, TOTAL
Method reference: EPA 245.1
Result: Less than
Date started: 04/15/97
Time started: 15:00
Unit: mg/L
MDL or sensitivity: 0.0002
Date finished: 04/15/97
Analyst: JAM

Parameter: MERCURY DIGESTION
Method reference: EPA 245.1
Result: Completed
Date started: 04/14/97
Time started: 13:00
Unit:
MDL or sensitivity:
Date finished: 04/14/97
Analyst: JAM

Parameter: BARIUM, TOTAL IN GROUNDWATER
Method reference: 6010
Result: Less than
Date started: 04/25/97
Time started: 05:30
Unit: mg/L
MDL or sensitivity: 1.0
Date finished: 04/24/97
Analyst: LAS

Parameter: METALS DIGESTION METHOD 3030C
Method reference: 3030C
Result: Completed
Date started: 04/11/97
Time started: 15:00
Unit:
MDL or sensitivity:
Date finished: 04/11/97
Analyst: JAM

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:

PO# EP-1217
Project Name: N MecKlenburg Landfill

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 30, 1997

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

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

Sample I.D. AA66981
Customer Code: ENVIPRO
Customer Reference: NMECHLAN
Login Group #: 3125C8
Phone Number: (704)583-0075 fax(704)583-2673
Customer Sample I.D#: MW-10
Sample collection date: 04/11/97 Time: 12:40
Lab submittal date: 04/11/97 Time: 14:45
Received by: CP Validated by: CP

Parameter: VOLATILE ORGANICS BY 8260
Method reference: 8260 Unit: ug/L
Result: see below Date finished: 04/24/97
Date started: 04/24/97 Analyst: MP
Time started: 16:45

Parameter: ARSENIC, TOTAL IN GROUNDWATER
Method reference: 6010 Unit: mg/L
Result: Less than MDL or sensitivity: 0.05
Date started: 04/25/97 Date finished: 04/25/97
Time started: 05:30 Analyst: LAS

Parameter: SELENIUM, TOTAL IN GROUNDWATER
Method reference: 6010 Unit: mg/L
Result: Less than MDL or sensitivity: 0.01
Date started: 04/25/97 Date finished: 04/25/97
Time started: 05:30 Analyst: LAS

Parameter: CADMIUM, TOTAL IN GROUNDWATER
Method reference: 6010 Unit: mg/L
Result: Less than MDL or sensitivity: 0.005
Date started: 04/25/97 Date finished: 04/25/97
Time started: 05:30 Analyst: LAS

Parameter: CHROMIUM, TOTAL IN GROUNDWATER
Method reference: 6010 Unit: mg/L
Result: Less than MDL or sensitivity: 0.05
Date started: 04/25/97 Date finished: 04/25/97
Time started: 05:30 Analyst: LAS

PRISM LABORATORIES, INC.
Full Service Analytical & Environmental Solutions

Parameter: LEAD, TOTAL IN GROUNDWATER
Method reference: 6010
Result: Less than
Date started: 04/25/97
Time started: 05:30
Unit: mg/L
MDL or sensitivity: 0.015
Date finished: 04/25/97
Analyst: LAS

Parameter: SILVER, TOTAL IN GROUNDWATER
Method reference: 6010
Result: Less than
Date started: 04/25/97
Time started: 05:30
Unit: mg/L
MDL or sensitivity: 0.018
Date finished: 04/25/97
Analyst: LAS

Parameter: MERCURY, TOTAL
Method reference: EPA 245.1
Result: Less than
Date started: 04/15/97
Time started: 15:00
Unit: mg/L
MDL or sensitivity: 0.0002
Date finished: 04/15/97
Analyst: JAM

Parameter: MERCURY DIGESTION
Method reference: EPA 245.1
Result: Completed
Date started: 04/14/97
Time started: 13:00
Unit:
MDL or sensitivity:
Date finished: 04/14/97
Analyst: JAM

Parameter: BARIUM, TOTAL IN GROUNDWATER
Method reference: 6010
Result: Less than
Date started: 04/25/97
Time started: 05:30
Unit: mg/L
MDL or sensitivity: 1.0
Date finished: 04/25/97
Analyst: LAS

Parameter: METALS DIGESTION METHOD 3030C
Method reference: 3030C
Result: Completed
Date started: 04/11/97
Time started: 15:00
Unit:
MDL or sensitivity:
Date finished: 04/11/97
Analyst: JAM

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

Lab Report

Enviro-Pro, P.C. Sample I.D. AA66981 (continued)
Page: 4
April 30, 1997

PRISM LABORATORIES, INC.
Full Service Analytical & Environmental Solutions

Sample comments:

PO# EP-1217
Project Name: N Mecklenburg Landfill

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 30, 1997

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

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

Sample I.D. AA66982 Customer Code: ENVIPRO
Login Group #: 3125C8 Customer Reference: NMECHLAN
Phone Number: (704)583-0075 fax(704)583-2673
Customer Sample I.D#: MW-11
Sample collection date: 04/11/97 Time: 13:08
Lab submittal date: 04/11/97 Time: 14:45
Received by: CP Validated by: CP

Parameter: VOLATILE ORGANICS BY 8260
Method reference: 8260 Unit: ug/L
Result: see below
Date started: 04/24/97 Date finished: 04/24/97
Time started: 17:31 Analyst: MP

Parameter: ARSENIC, TOTAL IN GROUNDWATER
Method reference: 6010 Unit: mg/L
Result: Less than MDL or sensitivity: 0.05
Date started: 04/25/97 Date finished: 04/25/97
Time started: 05:30 Analyst: LAS

Parameter: SELENIUM, TOTAL IN GROUNDWATER
Method reference: 6010 Unit: mg/L
Result: Less than MDL or sensitivity: 0.01
Date started: 04/25/97 Date finished: 04/25/97
Time started: 05:30 Analyst: LAS

Parameter: CADMIUM, TOTAL IN GROUNDWATER
Method reference: 6010 Unit: mg/L
Result: Less than MDL or sensitivity: 0.005
Date started: 04/25/97 Date finished: 04/25/97
Time started: 05:30 Analyst: LAS

Parameter: CHROMIUM, TOTAL IN GROUNDWATER
Method reference: 6010 Unit: mg/L
Result: Less than MDL or sensitivity: 0.05
Date started: 04/25/97 Date finished: 04/25/97
Time started: 05:30 Analyst: LAS

Lab Report

PRISM LABORATORIES, INC.
Full Service Analytical & Environmental Solutions

Parameter: LEAD, TOTAL IN GROUNDWATER
Method reference: 6010
Result: Less than
Date started: 04/25/97
Time started: 05:30
Unit: mg/L
MDL or sensitivity: 0.015
Date finished: 04/25/97
Analyst: LAS

Parameter: SILVER, TOTAL, IN GROUNDWATER
Method reference: 6010
Result: Less than
Date started: 04/25/97
Time started: 05:30
Unit: mg/L
MDL or sensitivity: 0.018
Date finished: 04/25/97
Analyst: LAS

Parameter: MERCURY, TOTAL
Method reference: EPA 245.1
Result: Less than
Date started: 04/15/97
Time started: 15:00
Unit: mg/L
MDL or sensitivity: 0.0002
Date finished: 04/15/97
Analyst: JAM

Parameter: MERCURY DIGESTION
Method reference: EPA 245.1
Result: Completed
Date started: 04/14/97
Time started: 13:00
Unit:
MDL or sensitivity:
Date finished: 04/14/97
Analyst: JAM

Parameter: BARIUM, TOTAL IN GROUNDWATER
Method reference: 6010
Result: Less than
Date started: 04/25/97
Time started: 05:30
Unit: mg/L
MDL or sensitivity: 1.0
Date finished: 04/25/97
Analyst: LAS

Parameter: METALS DIGESTION METHOD 3030C
Method reference: 3030C
Result: Completed
Date started: 04/11/97
Time started: 15:00
Unit:
MDL or sensitivity:
Date finished: 04/11/97
Analyst: JAM

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	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

Lab Report

PRISM LABORATORIES, INC.
Full Service Analytical & Environmental Solutions

Sample comments:

PO# EP-1217
Project Name: N Mecklenburg Landfill

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 30, 1997

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

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

Sample I.D. AA66983
Customer Code: ENVIPRO
Customer Reference: NMECHLAN
Login Group #: 3125C8
Phone Number: (704)583-0075 fax(704)583-2673
Customer Sample I.D#: EQ BLANK
Sample collection date: 04/11/97 Time: 11:30
Lab submittal date: 04/11/97 Time: 14:45
Received by: CP Validated by: CP

Parameter: VOLATILE ORGANICS BY 8260
Method reference: 8260
Result: see below
Date started: 04/25/97
Time started: 14:17
Unit: ug/L
Date finished: 04/25/97
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

Lab Report

PRISM LABORATORIES, INC.
Full Service Analytical & Environmental Solutions

Data for VOLATILE ORGANICS BY 8260 (continued):

Component Name	Result	Component MDL
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)		

Sample comments:

PO# EP-1217
Project Name: N Mecklenburg Landfill

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

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 30, 1997

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

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

Sample I.D. AA66984
Login Group #: 3125C8
Phone Number: (704)583-0075 fax(704)583-2673
Customer Sample I.D#: TRIP BLANK
Lab submittal date: 04/11/97
Received by: CP

Customer Code: ENVIPRO
Customer Reference: NMECHLAN
Sample collection date: 04/11/97
Time: 14:45
Validated by: ADO

Parameter: VOLATILE ORGANICS BY 8260
Method reference: 8260
Result: see below
Date started: 04/24/97
Time started: 18:51

Unit: ug/L

Date finished: 04/29/97
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

Lab Report

Enviro-Pro, P.C. Sample I.D. AA66984 (continued)
Page: 2
April 30, 1997

PRISM LABORATORIES, INC.
Full Service Analytical & Environmental Solutions

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	8	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)		

Sample comments:

PO# EP-1217
Project Name: N Mecklenburg Landfill

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

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

Angela D. Overcash
Laboratory Director

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Phone: 704/529-6364 ▲ Toll Free Number: 1-800/529-6364 ▲ Fax: 704/525-0409

PRISM LABORATORIES, INC.
Full Service Analytical & Environmental Solutions

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

CASE NARRATIVE

Login Group # : 3125C8

Sample ID: AA66984

Date : 04/28/97

SAMPLE ID	ANALYSIS	COMMENTS
AA66984	8260	Methylene chloride was detected in this sample. Method blank concentration: < 5 ug/L.

The second vial from this sample was analyzed for 8260, and methylene chloride was also detected. The third vial was analyzed by method 601 to check for the presence of this compound. Methylene chloride was also detected in the third vial.

Steven H. Guptill

Steven H. Guptill
Organics Manager

CHAIN OF CUSTODY RECORD

PRISM LABORATORIES, INC.

Full Service Analytical & Environmental Solutions

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

PRESS DOWN FIRMLY - 3 COPIES

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:
Phone: 583-0075 Fax: 583-2673
P.O.#/Billing Reference: EP-1217
Project Name: N. Mecklenburg landfill

REPORT TO: Name: Tom Bolyard
Address:
BILL TO: Name:
Address:
Requested Due Date:

(SEE REVERSE SIDE FOR RUSH TURNAROUND FEES)

State Certification Requested NC ___ SC ___ Other ___ NA ___
Water Chlorinated Yes ___ No X NA ___
Sample Iced Upon Collection Yes X No ___
CMUD ___ NPDES ___ OTHER ___

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	RCRA Metals					REMARKS	SUB LAB CERT. ID NO.	PRISM LAB ID NO.
MW-1	4/11/97	1255	water	VOA Plastic	3	40ml	HCl	X	X							66977
MW-4		1318			1	500ml	HNO_3	X	X							66978
MW-5		1300						X	X							66979
MW-6		1315						X	X			1441				66980
MW-10		1240						X	X							66981
MW-11		1308						X	X							66982
Eq. Blank		1130			3			X								66983
Trip Blank					3			X								66984

Sampler's Signature: Larry A. Gois
Sampled By (Print Name): Larry A. Gois
Affiliation: Enviro-Pro

Relinquished By: (Signature)	Received By: (Signature)	Date: 4/11/97	Military/Hours: 1443
Relinquished By: (Signature)	Received By: (Signature)	Date	
Relinquished By: (Signature)	Received For Prism Laboratories By:	Date: 4.11.97	1445
Method of Shipment:		Log-In Group No.	

Additional Comments:

3125C8

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 ___

SEE REVERSE FOR TERMS & CONDITIONS

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

FINAL REPORT COPY

WELL DEVELOPMENT, PURGE, AND SAMPLE RECORD

CLIENT: N. Mecklenburg Landfill, Inc.
LOCATION: 15300 Holbrooks Rd.
PROJECT NAME/DESCRIPTION: N. Meck. Landfill
DATE OF WATER LEVEL MEASUREMENTS: 4-11-97

DEVELOP:
PURGING: ✓
SAMPLING: ✓

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

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	4-11-97	1255	25		14.42		10.58	1.72	5.5				
	MW-4	"	1318	42		26.27		15.73	2.56	8.0				
	MW-5	"	1300	55		28.19		26.81	4.37	13.5				
	MW-6	"	1315	67		58.66		8.34	1.36	4.0				
	MW-10	"	1240	19		10.10		8.90	1.45	4.5				
	MW-11	"	1308	80		65.09		14.91	2.43	7.5				

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).