CHAIN OF CUSTODY RECORD

Date and Time Received: 12/31/87 800

IEA Sample Number: 30[illegible]-17-(1)(2)(3)(4)(5)(6)

Client ID Number: (MW-A)(MW-B)(MW-C)(MW-D)

Number of Containers: 32 Plastic: 20 Glass: 12 Other:

Preservation (check): Refrigeration ✓ Nitric Acid ✓ Hydrochloric Acid ☐
Sodium Hydroxide ✓ Other(specify):

Total Volume of Sample: ~~[illegible]~~ 21,700 ml

Sample Type: Soil [ ] Water ✓ Solvent ☐

Received at Lab by: Gary Dillehand

Relinquished By:	Date	Time	Date	Time	Received By:
Reggie Lockhart	12/30/87	800	12/30/87	800	Gary Dillehand
Dispatched By:					Method of Shipment:
					IEA Truck

Industrial & Environmental Analysts, Inc. • P.O. Box 12846
Research Triangle Park, NC 27709 • 919-467-9919

GROUNDWATER FIELD SAMPLING DATA SHEET

Industrial & Environmental Analysts, Inc.
Research Triangle Park, NC 27709
919-467-9919

1. Client Name CAMP LEJUNE
2. Location JACKSONVILLE N.C.
3. Date 12/29/97
4. Well ID MW-D 5. Sequence No. D - 2
6. Sampler's Name REGGIE COCKMAN
7. Evacuation Method BAILER 8. Sampling Method BAILER

9. Field Observations & Sampling Conditions

9.1 Weather & Temperature FAIR, COLD - 20° F

9.2 Was Well Locked Upon Arrival ? ✓ Yes ____ No

9.3 Any Unusual Conditions in the Area ? ____ Yes ✓ No

Explanation _____

10. Well Evacuation Data (All measurements referenced from top of casing)

10.1 Casing Diameter 4.5 Inches 10.2 Well Diameter 2.0 Inches

10.3 Total Well Depth 33.90 Feet

10.4 Static Water Level 12.15 Feet

10.5 Height of Water Column 21.75 Feet

10.6 Water Volume in Well 13.4 Liters

10.7 Evacuate 3 Well Volumes Prior to Sampling

10.8 Evacuate 40.3 Liters Prior to Sampling or to Dryness

10.9 Actual Volume Evacuated from Well 43.3 Liters

10.10 If Well Went Dry, N/A Hours Between Purging and Sampling.

11. **Well Sampling Data**

11.1 Use BAILER For Extracting Sample

11.2

Parameter	Type of Bottle (mtl. & size)	Preservative	Sample Recipient
+ RCRA metals Cu, Fe, Mn, Zn	500 ml plastic	HNO_3	IEA
Cl^-, Fl^-, SO_4	500 ml plastic	–	↓
NO_3, COD	500 ml plastic	H_2SO_4	
BOD	1 l plastic	–	
TDS, TOX	1 l plastic	–	

11.3 Sample Appearance (e.g. clear, muddy, turbid) slightly turbid

11.4 ✓ Samples Placed on Ice Immediately After Collection

11.5 Date and Time Sample Extracted 12/29/87 1440

12. **Field Analyses**

Parameter	Std. Used For Calibration	Sample Reading	Reading of Std. After Sample
Temperature		14.6	
pH	7.00	4.77	7.01
Specific Conductance	131	67	130

13. Well Secured With Lock After Sampling ? ✓ Yes ____ No

If No, Explanation ____

14. IEA Sample Number 504-17-4

15. I, The Undersigned, Hereby Certify That All Of The Above Information Is Accurate.

Signature Reggie Rockman

Date & Time 12/29/87 1600

GROUNDWATER FIELD SAMPLING DATA SHEET

Industrial & Environmental Analysts, Inc.
Research Triangle Park, NC 27709
919-467-9919

1. Client Name CAMP LeJUNE
2. Location JACKSONVILLE, N.C.
3. Date 12/30/87
4. Well ID MW-C 5. Sequence No. 4
6. Sampler's Name REGGIE COCKMAN
7. Evacuation Method BAILER 8. Sampling Method BAILER

9. Field Observations & Sampling Conditions

9.1 Weather & Temperature COLD WINDY

9.2 Was Well Locked Upon Arrival ? ✓ Yes ____ No

9.3 Any Unusual Conditions in the Area ? ____ Yes ✓ No

Explanation _____

10. Well Evacuation Data (all measurements referenced from top of casing)

10.1 Casing Diameter 4.5 Inches 10.2 Well Diameter 2.0 Inches

10.3 Total Well Depth 29.75 Feet

10.4 Static Water Level 5.45 Feet

10.5 Height of Water Column 23.90 Feet

10.6 Water Volume in Well 14.7 Liters

10.7 Evacuate 3 Well Volumes Prior to Sampling

10.8 Evacuate 44.1 Liters Prior to Sampling or to Dryness

10.9 Actual Volume Evacuated from Well 47.1 Liters

10.10 If Well Went Dry, N/A Hours Between Purging and Sampling.

11. Well Sampling Data

11.1 Use Bailer For Extracting Sample

11.2

Parameter	Type of Bottle (mtl. & size)	Preservative	Sample Recipient
RCRA metals + Cu, Fe, Mn, Zn	500 ml plastic	HNO_3	IEA
Cl^-, Fl^-, SO_4	500 ml plastic	–	↓
NO_3, COD	500 ml plastic	H_2SO_4	↓
BOD	1 l plastic	–	↓
TDS, TOX	1 l plastic	–	↓

11.3 Sample Appearance (e.g. clear, muddy, turbid) slightly turbid

11.4 ✓ Samples Placed on Ice Immediately After Collection

11.5 Date and Time Sample Extracted 12/30/87 1200

12. Field Analyses

Parameter	Std. Used For Calibration	Sample Reading	Reading of Std. After Sample
Temperature		15.0	
pH	00	6.14	7.01
Specific Conductance	31	139	130

13. Well Secured With Lock After Sampling ? ✓ Yes ____ No

If No, Explanation

14. IEA Sample Number 304-17-3

15. I, The Undersigned, Hereby Certify That All Of The Above Information Is Accurate.

Signature Peggie Bockman

Date & Time 12/30/87 1600

GROUNDWATER FIELD SAMPLING DATA SHEET

Industrial & Environmental Analysts, Inc.
Research Triangle Park, NC 27709
919-467-9919

1. Client Name CAMP LEJUNE
2. Location JACKSONVILLE, N.C.
3. Date 12/30/87
4. Well ID MW-B 5. Sequence No. 3
6. Sampler's Name REGGIE COCKMAN
7. Evacuation Method BAILER 8. Sampling Method BAILER

9. Field Observations & Sampling Conditions

9.1 Weather & Temperature COLD WINDY

9.2 Was Well Locked Upon Arrival ? ✓ Yes ____ No

9.3 Any Unusual Conditions in the Area ? ____ Yes ✓ No

Explanation ____

10. Well Evacuation Data (all measurements referenced from top of casing)

10.1 Casing Diameter 4.5 Inches 10.2 Well Diameter 2.0 Inches

10.3 Total Well Depth 24.00 Feet

10.4 Static Water Level 18.35 Feet

10.5 Height of Water Column 5.65 Feet

10.6 Water Volume in Well 3.5 Liters

10.7 Evacuate 3 Well Volumes Prior to Sampling

10.8 Evacuate 10.5 Liters Prior to Sampling or to Dryness

10.9 Actual Volume Evacuated from Well 13.5 Liters

10.10 If Well Went Dry, N/A Hours Between Purging and Sampling.

11. Well Sampling Data

11.1 Use BAILER For Extracting Sample

11.2

Parameter	Type of Bottle (mtl. & size)	Preservative	Sample Recipient
RCRA metals + Cu, Fe, Mn, Zn	500 ml plastic	HNO_3	IEA
Cl^-, Fl^-, SO_4	500 ml plastic	—	↓
NO_3, COD	500 ml plastic	H_2SO_4	
BOD	1 l plastic	—	
TDS, TOX	1 l plastic	—	

11.3 Sample Appearance (e.g. clear, muddy, turbid) turbid

11.4 ✓ Samples Placed on Ice Immediately After Collection

11.5 Date and Time Sample Extracted 12/30/97 1040

12. Field Analyses

Parameter	Std. Used For Calibration	Sample Reading	Reading of Std. After Sample
Temperature		16.6	
pH	7.00	5.37	7.00
Specific Conductance	131	705	131

13. Well Secured With Lock After Sampling ? ✓ Yes ____ No

If No, Explanation ____

14. IEA Sample Number 304-17-2

15. I, The Undersigned, Hereby Certify That All Of The Above Information Is Accurate.

Signature Reggie Lockhart

Date & Time 12/30/97 1600

GROUNDWATER FIELD SAMPLING DATA SHEET

Industrial & Environmental Analysts, Inc.
Research Triangle Park, NC 27709
919-467-9919

1. Client Name CAMP LeJeune
2. Location Jacksonville, N.C.
3. Date 12/29/97
4. Well ID MW-3 5. Sequence No. 2
6. Sampler's Name Reggie Cockman
7. Evacuation Method BAILER 8. Sampling Method BAILER

9. Field Observations & Sampling Conditions

9.1 Weather & Temperature FAIR WINDY COLD

9.2 Was Well Locked Upon Arrival ? ✓ Yes ____ No

9.3 Any Unusual Conditions in the Area ? ____ Yes ✓ No

Explanation _____

10. Well Evacuation Data (all measurements referenced from top of casing)

10.1 Casing Diameter 4.5 Inches 10.2 Well Diameter 2.0 Inches

10.3 Total Well Depth 26.25 Feet

10.4 Static Water Level 10.00 Feet

10.5 Height of Water Column 16.25 Feet

10.6 Water Volume in Well 10.03 Liters

10.7 Evacuate 3 Well Volumes Prior to Sampling

10.8 Evacuate 30.1 Liters Prior to Sampling or to Dryness

10.9 Actual Volume Evacuated from Well 33.1 Liters

10.10 If Well Went Dry, N/A Hours Between Purging and Sampling.

11. Well Sampling Data

11.1 Use Bailer For Extracting Sample

11.2

Parameter	Type of Bottle (mtl. & size)	Preservative	Sample Recipient
RCRA metals + Cu, Fe, Mn, Zn	500 ml plastic	HNO_3	IEA
Cl^-, Fl^-, SO_4	500 ml plastic	–	↓
NO_3, COD	500 ml plastic	H_2SO_4	↓
BOD	1 l plastic	–	↓
TDS, TOX	1 l plastic	–	↓

11.3 Sample Appearance (e.g. clear, muddy, turbid) : clear

11.4 ✓ Samples Placed on Ice Immediately After Collection

11.5 Date and Time Sample Extracted 12/29/87 1640

12. Field Analyses

Parameter	Std. Used For Calibration	Sample Reading	Reading of Std. After Sample
Temperature		16.3	
pH	7.00	5.31	6.99
Specific Conductance		430	

13. Well Secured With Lock After Sampling? ✓ Yes ____ No

If No, Explanation

14. IEA Sample Number 304-17-1

15. I, The Undersigned, Hereby Certify That All Of The Above Information Is Accurate.

Signature Peggie Parker

Date & Time 12/30/87 1600