# APPENDIX A

# SAMPLE COLLECTION LOGS AND ANALYSIS REQUEST/CHAIN-OF-CUSTODY RECORDS

# SAMPLE COLLECTION LOGS

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

**RFA / COC Number:** 184-101601-EMAX

*Location Code:* **CWM-184-MW01**

*Sample Number:* **TL0001**

*Sample Name:* **CWM-184-MW01-SS-TL0001-REG**

*Sampling Method:* **DP**

*Sample Type:* **SS** *Sample Purpose:* **REG**

*Collection Date:* 10.16.01

*Collection Time:* 1408

*Start Depth:* 0

*End Depth:* 1'

*Sample Matrix:* **SOIL**

*Sample Team:* Z Parker / G Lewis

**QC Partners:**

(TB) N/A (ER) 101901-ER2 (FB) NA

**ERPIMS Values:**

*Sacode:*

*Lot Control#:*

**Containers**

| Analytical Suite | Flt | Frtn | Qty | Size | Units | Type |
|---|---|---|---|---|---|---|
| VOLATILES | S | N | A | 3 | | EnCore |
| METALS | S | N | B | 1 | oz | GW JAR |
| SEMIVOLATILES | N | SB | 1 | 8 | oz | GW JAR |
| GYMBREARDO | N | C | 1 | 2 | oz | GW JAR |
| ORTHOSULFUR | N | C | 1 | 8 | oz | GW JAR |

**Comments:** PID = 0.0

**Sketch Location:**

see sample TL0007

*Logged BY / Date:* Zach Parker 10-16-01 *Reviewed BY / Date:* 10-16-01

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

**RFA / COC Number:** 184-101601-EMAX

*Location Code:* **CWM-184-MW01**

*Sample Number:* **TL0002**

*Sample Name:* **CWM-184-MW01-DS-TL0002-REG**

*Sampling Method:* **DP**

*Sample Type:* **DS** *Sample Purpose:* **REG**

*Collection Date:* 10.16.01

*Collection Time:* 1412

*Start Depth:* 4'

*End Depth:* 5'

*Sample Matrix:* **SOIL**

*Sample Team:* Z. Parham / C. Lemaas

**QC Partners:**

(TB) N/A (ER) 101901-ER2 (FB) N/A

**ERPIMS Values:**

*Sacode:*

*Lot Control#:*

**Containers**

| Analytical Suite | Flt | Frtn | Qty | Size | Units | Type |
|---|---|---|---|---|---|---|
| VOLATILES | N | A | 3 | 5 | g | EnCore |
| METALS | N | B | 1 | 8 | oz | CW-JAR |
| SEMIVOLATILES | N | B | 1 | 8 | oz | CW-JAR |
| CWM BREAKDO | N | C | 1 | 8 | oz | CW-JAR |
| ORTHOSULFUR | N | C | 1 | 8 | oz | CW-JAR |

**Comments:** PID = 0.0

**Sketch Location:**

see sample TL0007

*Logged BY / Date:* [signature] / 10.16.01 *Reviewed BY / Date:* [signature] 10-16-01

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

**RFA / COC Number:** 184-101601-EMAX

*Location Code:* CWM-184-MW02

*Sample Number:* TL0003

*Sample Name:* CWM-184-MW02-SS-TL0003-REG

*Sampling Method:* DP

*Sample Type:* SS

*Sample Purpose:* REG

*Collection Date:* 10.16.01

*Collection Time:* 1501

*Start Depth:* 0

*End Depth:* 1'

*Sample Matrix:* SOIL

*Sample Team:* Z. Parham / Z. Lavaas

**QC Partners:**

(TB) N/A (ER) 101901-ER2 (FB) N/A

**ERPIMS Values:**

*Sacode:*

*Lot Control#:*

**Containers**

| Analytical Suite | Flt | Frtn | Qty | Size | Units | Type |
|---|---|---|---|---|---|---|
| VOLATILES 3 | N | A | 3 | 5 | g | EnCore |
| METALS S | N | B | 1 | 8 | oz | CW JAR |
| SEMIVOLATILES | N | B | 1 | 8 | oz | CW JAR |
| CWM BREAKDO | N | C | 1 | 8 | oz | CW JAR |
| ORTHOSULFUR | N | C | 1 | 8 | oz | CW JAR |

**Comments:** PID = 0.0

**Sketch Location:**

see sample TL0007

*Logged BY / Date:* [signature] / 10.16.01

*Reviewed BY / Date:* [signature] 10-16-01

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

**RFA / COC Number:** 184-101601-EMAX

*Location Code:* **CWM-184-MW02**

*Sample Number:* **TL0004**

*Sample Name:* **CWM-184-MW02-DS-TL0004-REG**

*Sampling Method:* **DP**

*Sample Type:* **DS** *Sample Purpose:* **REG**

*Collection Date:* 10.16.01

*Collection Time:* 1506

*Start Depth:* 5'

*End Depth:* 6'

*Sample Matrix:* **SOIL**

*Sample Team:* Z. Parker / C. Lovaas

**QC Partners:**

(TB) N/A (ER) 101901-ER2 (FB)

**ERPIMS Values:**

*Sacode:*

*Lot Control#:*

**Containers**

| Analytical Suite | Flt | Frtn | Qty | Size | Units | Type |
|---|---|---|---|---|---|---|
| VOLATILES | N | A | 3 | 5 | mg | EnCore |
| METALS | N | B | 1 | 8 | oz | CW JAR |
| SEMIVOLATILES | N | B | 1 | 8 | oz | CW JAR |
| CWMBREAKDO | N | C | 1 | 8 | oz | CW JAR |
| ORTHOSUBFUR | N | C | 1 | 8 | oz | CW JAR |

**Comments:** PID-0.0

**Sketch Location:**

see sample TL0007

*Logged BY / Date:* [illegible] / 10.16.01

*Reviewed BY / Date:* [illegible] 10-16-01

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

**RFA / COC Number:** 184-101601-EMAX

*Location Code:* **CWM-184-MW03**

*Sample Number:* **TL0005**

*Sample Name:* **CWM-184-MW03-SS-TL0005-REG**

*Sampling Method:* **DP**

*Sample Type:* **SS** *Sample Purpose:* **REG**

*Collection Date:* 10.16.01

*Collection Time:* 1438

*Start Depth:* 0

*End Depth:* 1'

*Sample Matrix:* **SOIL**

*Sample Team:* Z Parker / C Chavez

**QC Partners:**

(TB) N/A (ER) 101901-ER2 (FB) N/A

**ERPIMS Values:**

*Sacode:*

*Lot Control#:*

**Containers**

| Analytical Suite | Flt | Frtn | Qty | Size | Units | Type |
|---|---|---|---|---|---|---|
| VOLATILES | N | A | 3 | 5 | g | EnCore |
| METALS | N | B | 1 | 8 | oz | CW JAR |
| SEMIVOLATILES | N | B | 1 | 8 | oz | CW JAR |
| CWM BREAKDO | N | C | 1 | 8 | oz | CW JAR |
| ORTHOSULFUR | N | C | 1 | 8 | oz | CW JAR |

**Comments:** PID = 0.0

**Sketch Location:**

see sample TL0007

*Logged BY / Date:* Zach Parker / 10.16.01 *Reviewed BY / Date:* DOK 10-16-01

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

**RFA / COC Number:** 184-101601.EMAX

*Location Code:* **CWM-184-MW03**

*Sample Number:* **TL0006**

*Sample Name:* **CWM-184-MW03-DS-TL0006-REG**

*Sampling Method:* **DP**

*Sample Type:* **DS** *Sample Purpose:* **REG**

*Collection Date:* 10.16.01

*Collection Time:* ~~10~~ 1440

*Start Depth:* 5'

*End Depth:* 6'

*Sample Matrix:* **SOIL**

*Sample Team:* Z Parker / C Lovaas

**QC Partners:**

(TB) N/A (ER) 101901-ER2 (FB) N/A

**ERPIMS Values:**

*Sacode:*

*Lot Control#:*

**Containers**

| Analytical Suite | Flt | Frtn | Qty | Size | Units | Type |
|---|---|---|---|---|---|---|
| VOLATILES 3 | N | A | 3 | 5 | g | EnCore |
| METALS S | N | B | 1 | 8 | oz | CW JAR |
| SEMIVOLATILES | N | B | 1 | 8 | oz | CW JAR |
| CWM BREAKDO | N | C | 1 | 8 | oz | CW JAR |
| ORTHOSULFUR | N | C | 1 | 8 | oz | CW JAR |

**Comments:** PID=0.0

**Sketch Location:**

*Logged BY / Date:* [signature] 10.16.01

*Reviewed BY / Date:* [signature] 10-16-01

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

**RFA / COC Number:** 184-101601-EMAX

*Location Code:* CWM-184-MW04

*Sample Number:* TL0007

*Sample Name:* CWM-184-MW04-SS-TL0007-REG

*Sampling Method:* DP

*Sample Type:* SS *Sample Purpose:* REG

*Collection Date:* 10.16.01

*Collection Time:* 0810

*Start Depth:* 0

*End Depth:* 1'

*Sample Matrix:* SOIL

*Sample Team:* Z. Parker / C. Lovaas

**QC Partners:**

(TB) N/A (ER) 101901-ER2 (FB) N/A

**ERPIMS Values:**

*Sacode:*

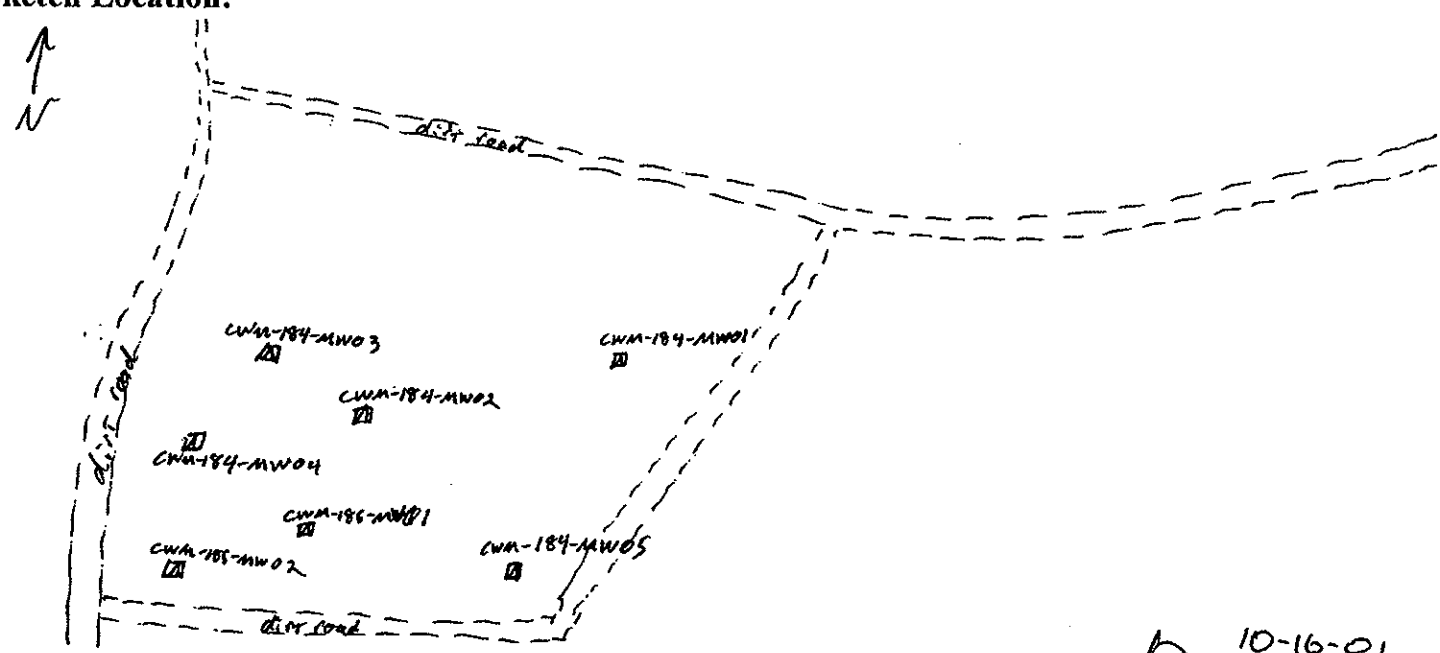
*Lot Control#:*

**Containers**

| Analytical Suite | Flt | Frtn | Qty | Size | Units | Type |
|---|---|---|---|---|---|---|
| VOLATILES 3 | N | A | 3 | 5 | g | EnCore |
| METALS-S | N | B | 1 | 8 | oz | CW-JAR |
| SEMIVOLATILES | N | B | 1 | 8 | oz | CW-JAR |
| CWM BREAKDO | N | C | 1 | 8 | oz | CW-JAR |
| ORTHOSULFUR | N | C | 1 | 8 | oz | CW-JAR |

**Comments:** PID=0.0

**Sketch Location:**




*Logged BY / Date:* Zack Parker / 10.16.01

*Reviewed BY / Date:* DEKC 10-16-01

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

**RFA / COC Number:** 184-101601-EMAX

*Location Code:* CWM-184-MW04

*Sample Number:* TL0008

*Sample Name:* CWM-184-MW04-DS-TL0008-REG

*Sampling Method:* DP

*Sample Type:* DS *Sample Purpose:* REG

*Collection Date:* 10.16.01

*Collection Time:* 0826

*Start Depth:* 2'

*End Depth:* 3'

*Sample Matrix:* SOIL

*Sample Team:* Z Parker / C. Lemas

**QC Partners:**

(TB) N/A (ER) 101901-ER2 (FB) N/A

**ERPIMS Values:**

*Sacode:*

*Lot Control#:*

**Containers**

| Analytical Suite | Flt | Frtn | Qty | Size | Units | Type |
|---|---|---|---|---|---|---|
| VOLATILES 3 | N | A | 3 | 5 | g | EnCore |
| METALS 5 | N | B | 1 | 8 | oz | CW-JAR |
| SEMIVOLATILES | N | B | 1 | 8 | oz | CW-JAR |
| CWM BREAKDO | N | C | 1 | 8 | oz | CW-JAR |
| ORTHOSULFUR | N | C | 1 | 8 | oz | CW-JAR |

**Comments:** PID = 0.0

**Sketch Location:**

see sample TL0007

*Logged BY / Date:* Zach Parker / 10.16.01 *Reviewed BY / Date:* Deka 10-16-01

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

**RFA / COC Number:** 184-101601-EMAX

*Location Code:* CWM-184-MW05

*Sample Number:* TL0009

*Sample Name:* CWM-184-MW05-SS-TL0009-REG

*Sampling Method:* DP

*Sample Type:* SS *Sample Purpose:* REG

*Collection Date:* 10.16.01

*Collection Time:* 1025

*Start Depth:* 0

*End Depth:* 1'

*Sample Matrix:* SOIL

*Sample Team:* Z. Parhan / C. Lerass

**QC Partners:**

(TB) N/A (ER) 101901-ER2 (FB) N/A

**ERPIMS Values:**

*Sacode:*

*Lot Control#:*

**Containers**

| Analytical Suite | Flt | Frtn | Qty | Size | Units | Type |
|---|---|---|---|---|---|---|
| VOLATILES 3 | N | A | 3 | 5 | g | EnCore |
| METALS S | N | B | 1 | 8 | oz | CW-JAR |
| SEMIVOLATILES | N | B | 1 | 8 | oz | CW-JAR |
| CWM BREAKDO | N | C | 1 | 8 | oz | CW-JAR |
| ORTHOSULFUR | N | C | 1 | 8 | oz | CW-JAR |

**Comments:** PID malfunctioning

**Sketch Location:**

see sample TL0007

*Logged BY / Date:* [signature] 10.16.01 *Reviewed BY / Date:* [signature] 10-19-01

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

**RFA / COC Number:** 184-ID1601-EMAX

*Location Code:* **CWM-184-MW05**

*Sample Number:* **TL0010**

*Sample Name:* **CWM-184-MW05-DS-TL0010-REG**

*Sampling Method:* **DP**

*Sample Type:* **DS** *Sample Purpose:* **REG**

*Collection Date:* 10.16.01

*Collection Time:* 1035

*Start Depth:* 7'

*End Depth:* 8'

*Sample Matrix:* **SOIL**

*Sample Team:* Z. Parker / C. Levaas

**QC Partners:**

(TB) N/A (ER) ID1901-ER2 (FB) N/A

**ERPIMS Values:**

*Sacode:*

*Lot Control#:*

**Containers**

| Analytical Suite | Flt | Frtn | Qty | Size | Units | Type |
|---|---|---|---|---|---|---|
| VOLATILES | N | A | 3 | 5 | g | EnCore |
| METALS | N | B | 1 | 8 | oz | CW JAR |
| SEMIVOLATILES | N | B | 1 | 8 | oz | CW JAR |
| CWM BREAKDO | N | C | 1 | 8 | oz | CW JAR |
| ORTHOSULFUR | N | C | 1 | 8 | oz | CW JAR |

**Comments:** PID malfunctioning

**Sketch Location:**

see sample TL0007

*Logged BY / Date:* Zach Parker / 10.16.01

*Reviewed BY / Date:* DOK 10-16-01

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

**RFA / COC Number:** 184-110801-EMAC

*Location Code:* **CWM-184-DEP01**

*Sample Number:* **TL0011**

*Sample Name:* **CWM-184-DEP01-DEP-TL0011-REG**

*Sampling Method:* **HA**

*Sample Type:* ~~SD~~ DEP *Sample Purpose:* **REG**

*Collection Date:* 11/08/01

*Collection Time:* 0645

*Start Depth:* 0 ft

*End Depth:* 0.5 ft

*Sample Matrix:* **SOIL**

*Sample Team:* Sylvester, Anderson

**QC Partners:**

(TB) NA (ER) 110901-ER2 (FB) NA

**ERPIMS Values:**

*Sacode:*

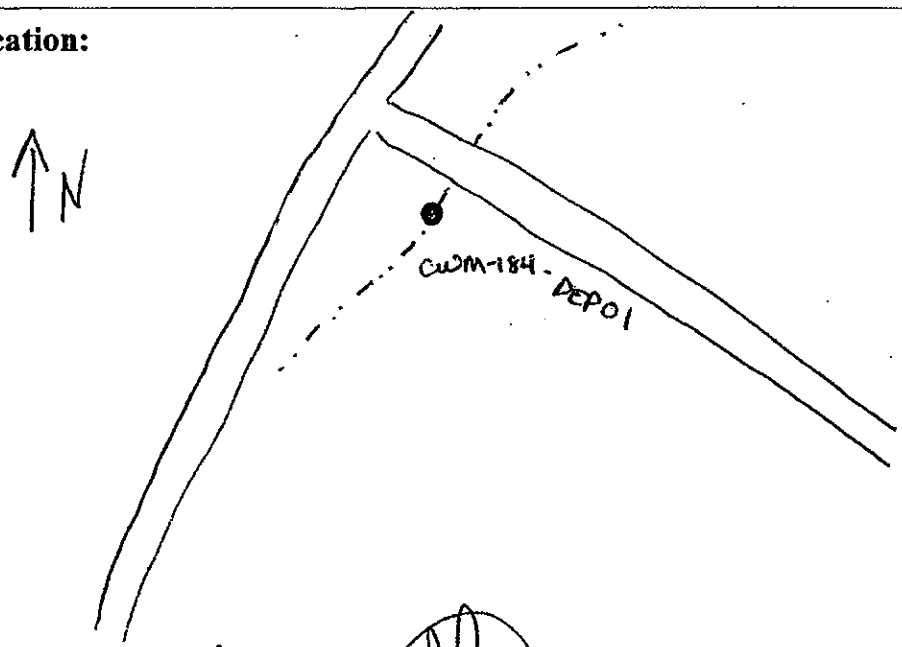
*Lot Control#:*

**Containers**

| Analytical Suite | Flt | Frtn | Qty | Size | Units | Type |
|---|---|---|---|---|---|---|
| [redacted] | | | | | | |

**Comments:** Formerly CWM-184-SW/SD01

**Sketch Location:**




*Logged BY / Date:* [signature] 11-8-01

*Reviewed BY / Date:* [signature] 11-8-01

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

**RFA / COC Number:** 185-101601-EMAX

*Location Code:* **CWM-185-MW01**

*Sample Number:* **TF0001**

*Sample Name:* **CWM-185-MW01-SS-TF0001-REG**

*Sampling Method:* **DP**

*Sample Type:* **SS** *Sample Purpose:* **REG**

*Collection Date:* 10.16.01

*Collection Time:* 0853

*Start Depth:* 0

*End Depth:* 1'

*Sample Matrix:* **SOIL**

*Sample Team:* Zlachow / C. Lenaas

**QC Partners:**

(TB) N/A (ER) 101901-ER2 (FB) N/A

**ERPIMS Values:**

*Sacode:*

*Lot Control#:*

**Containers**

| Analytical Suite | Flt | Frtn | Qty | Size | Units | Type |
|---|---|---|---|---|---|---|
| VOLATILES | N | A | 3 | 5 | g | EnCore |
| METALS | N | B | 1 | 8 | oz | CW JAR |
| SEMIVOLATILES | N | B | 1 | 8 | oz | CW JAR |
| CWM BREAKDO | N | C | 1 | 8 | oz | CW JAR |
| ORTHOSULFUR | N | C | 1 | 8 | oz | CW JAR |

**Comments:** PID = 0.0

**Sketch Location:**

see sample TL0007

*Logged BY / Date:* Zach Lach / 10.16.01

*Reviewed BY / Date:* DRC 10-16-01

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

**RFA / COC Number:** 185-101601-EMAX

*Location Code:* CWM-185-MW01

*Sample Number:* TF0002

*Sample Name:* CWM-185-MW01-DS-TF0002-REG

*Sampling Method:* DP

*Sample Type:* DS *Sample Purpose:* REG

*Collection Date:* 10.16.01

*Collection Time:* 0905

*Start Depth:* 4'

*End Depth:* 5'

*Sample Matrix:* SOIL

*Sample Team:* Z. Parham / C. Levaas

**QC Partners:**

(TB) N/A (ER) 101601-ER2 (FB) N/A

**ERPIMS Values:**

*Sacode:*

*Lot Control#:*

**Containers**

| Analytical Suite | Flt | Frtn | Qty | Size | Units | Type |
|---|---|---|---|---|---|---|
| VOLATILES 3 | N | A | 3 | 5 | g | EnCore |
| METALS S | N | B | 1 | 8 | oz | CW-JAR |
| SEMIVOLATILES | N | B | 1 | 8 | oz | CW-JAR |
| CWM BREAKDO | N | C | 1 | 8 | oz | CW-JAR |
| ORTHOSULFUR | N | C | 1 | 8 | oz | CW-JAR |

**Comments:** PID = 0.0

**Sketch Location:**

see sample TL0007

*Logged BY / Date:* Zack Parham / 10.16.01

*Reviewed BY / Date:* [signature] 10-16-01

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

**RFA / COC Number:** 185-101601-EMAX

*Location Code:* CWM-~~184~~ 185-MW01

*Sample Number:* ~~TL~~ TF 0002-MS

*Sample Name:* CWM-~~184~~ 185-MW01-DS-~~TL~~ TF 0002-MS

*Sampling Method:* DP

*Sample Type:* DS *Sample Purpose:* MS

*Collection Date:* 10-16-01

*Collection Time:* 0905

*Start Depth:* 4'

*End Depth:* 5'

*Sample Matrix:* SOIL

*Sample Team:* Z. Parham / C. Levaas

**QC Partners:**

(TB) N/A (ER) 101901-ER2 (FB) N/A

**ERPIMS Values:**

*Sacode:*

*Lot Control#:*

**Containers**

| Analytical Suite | Flt | Frtn | Qty | Size | Units | Type |
|---|---|---|---|---|---|---|
| VOLATILES | S | N | A | 3 | 5 | EnCore |
| METALS | S | N | B | 1 | 8 | oz CW JAR |
| SEMIVOLATILES | S | N | B | 1 | 8 | oz CW JAR |
| CWM BREAKDO | S | N | C | 1 | 8 | oz CW JAR |
| ORTHOSULFUR | S | N | C | 1 | 8 | oz CW JAR |

**Comments:** PID 0.0 MS/MSD Moved From CWM-184-MW01 (DS) To CWM-185-MW01 (DS)

**Sketch Location:**

*Logged BY / Date:* Zach Parham / 10.16.01

*Reviewed BY / Date:* [illegible] 10-16-01

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

**RFA / COC Number:** 185-101601-EMAX

*Location Code:* CWM-~~184~~ 185-MW01

*Sample Number:* ~~TL~~ TF 0002-MSD

*Sample Name:* CWM-~~184~~ 185-MW01-DS-~~TL~~ TF 0002-MSD

*Sampling Method:* DP

*Sample Type:* DS

*Sample Purpose:* MSD

*Collection Date:* 10-16-01

*Collection Time:* 0905

*Start Depth:* 4'

*End Depth:* 5'

*Sample Matrix:* SOIL

*Sample Team:* Z. Parham / C. Levaas

**QC Partners:**

(TB) N/A (ER) 101901-ER2 (FB) N/A

**ERPIMS Values:**

*Sacode:*

*Lot Control#:*

**Containers**

| Analytical Suite | Flt | Frtn | Qty | Size | Units | Type |
|---|---|---|---|---|---|---|
| VOLATILES 3 | N | A | 3 | 5 | g | EnCore |
| METALS 5 | N | B | 1 | 8 | oz | CW-JAR |
| SEMIVOLATILES | N | B | 1 | 8 | oz | CW-JAR |
| CWM BREAKDO | N | C | 1 | 8 | oz | CW-JAR |
| ORTHOSULFUR | N | C | 1 | 8 | oz | CW-JAR |

**Comments:**

**Sketch Location:**

*Logged BY / Date:* Zach Park / 10.16.01

*Reviewed BY / Date:* DEKaee 10-16-01

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

**RFA / COC Number:** 185-101601-EMAX

*Location Code:* **CWM-185-MW02**

*Sample Number:* **TF0003**

*Sample Name:* **CWM-185-MW02-SS-TF0003-REG**

*Sampling Method:* **DP**

*Sample Type:* **SS** *Sample Purpose:* **REG**

*Collection Date:* 10.16.01

*Collection Time:* 0945

*Start Depth:* 0

*End Depth:* 1'

*Sample Matrix:* **SOIL**

**QC Partners:**

(TB) N/A (ER) 101901-ER2 (FB) N/A

*Sample Team:* Z. Parham / C. Hevaas

**ERPIMS Values:**

*Sacode:*

*Lot Control#:*

**Containers**

| Analytical Suite | Flt | Frtn | Qty | Size | Units | Type |
|---|---|---|---|---|---|---|
| VOLATILES | 3 | N | A | 5 | g | EnCore |
| METALS | N | B | 1 | 8 | oz | CW JAR |
| SEMIVOLATILES | N | B | 1 | 8 | oz | CW JAR |
| CWM BREAKDO | N | C | 1 | 8 | oz | CW JAR |
| ORTHOSULFUR | N | C | 1 | 8 | oz | CW JAR |

**Comments:** PID = 0.3

**Sketch Location:**

see sample TR0007

*Logged BY / Date:* 10/16/01 *Reviewed BY / Date:* 10-16-01

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

**RFA / COC Number:** 185-101601-EMAX

*Location Code:* CWM-185-MW02

*Sample Number:* TF0004

*Sample Name:* CWM-185-MW02-DS-TF0004-REG

*Sampling Method:* DP

*Sample Type:* DS *Sample Purpose:* REG

*Collection Date:* 10.16.01

*Collection Time:* 1302

*Start Depth:* 2'

*End Depth:* 3'

*Sample Matrix:* SOIL

*Sample Team:* Z. Parker / C. Levaas

**QC Partners:**

(TB) N/A (ER) 101901-ER2 (FB) NA

**ERPIMS Values:**

*Sacode:*

*Lot Control#:*

**Containers**

| Analytical Suite | Flt | Frtn | Qty | Size | Units | Type |
|---|---|---|---|---|---|---|
| VOLATILES 3 | N | A | 3 | 5 | g | EnCore |
| METALS S | N | B | 1 | 8 | oz | CW-JAR |
| SEMIVOLATILES | N | B | 1 | 8 | oz | CW-JAR |
| CWM BREAKDO | N | C | 1 | 8 | oz | CW-JAR |
| ORTHOSULFUR | N | C | 1 | 8 | oz | CW-JAR |

**Comments:** PID = 0.0

**Sketch Location:**

see sample TL0007

*Logged BY / Date:* [signature] / 10.16.01 *Reviewed BY / Date:* [signature] 10-16-01

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

**RFA / COC Number:** 185-101601-EMAX

*Location Code:* CWM-185-MW02

*Sample Number:* TF0005

*Sample Name:* CWM-185-MW02-DS-TF0005-FD

*Sampling Method:* DP

*Sample Type:* DS *Sample Purpose:* FD

*Collection Date:* 10.16.01

*Collection Time:* 1302

*Start Depth:* 2'

*End Depth:* 3'

*Sample Matrix:* SOIL

*Sample Team:* Z. Parham / C. Levass

**QC Partners:**

(TB) N/A (ER) 101901-ER2 (FB) N/A

**ERPIMS Values:**

*Sacode:*

*Lot Control#:*

**Containers**

| Analytical Suite | Flt | Frtn | Qty | Size | Units | Type |
|---|---|---|---|---|---|---|
| VOLATILES 3 | N | A | 3 | 5 | g | EnCore |
| METALS S | N | B | 1 | 8 | oz | CW-JAR |
| SEMIVOLATILES | N | B | 1 | 8 | oz | CW-JAR |
| CWM BREAKDO | N | C | 1 | 8 | oz | CW-JAR |
| ORTHOSULFUR | N | C | 1 | 8 | oz | CW-JAR |

**Comments:** PID=0.0

**Sketch Location:**

see sample TL0007

*Logged BY / Date:* Zach Parham / 10.16.01 *Reviewed BY / Date:* DEKA 10-16-01

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

**RFA / COC Number:** 185-101601-EMAX

*Location Code:* CWM-185-GP01

*Sample Number:* TF0007

*Sample Name:* CWM-185-GP01-SS-TF0007-REG

*Sampling Method:* DP

*Sample Type:* SS *Sample Purpose:* REG

*Collection Date:* 10.16.01

*Collection Time:* 1330

*Start Depth:* 0

*End Depth:* 1

*Sample Matrix:* SOIL

*Sample Team:* Z. Parkan / C. Levaas

**QC Partners:**

(TB) N/A (ER) 101901-ER2 (FB)

**ERPIMS Values:**

*Sacode:*

*Lot Control#:*

**Containers**

| Analytical Suite | Flt | Frtn | Qty | Size | Units | Type |
|---|---|---|---|---|---|---|
| VOLATILES | 3 | N | A | 3 | 5 | g EnCore |
| METALS | 3 | N | B | 1 | 8 | oz CW-JAR |
| SEMIVOLATILES | 3 | N | B | 1 | 8 | oz CW-JAR |
| CWM BREAKDO | 3 | N | C | 1 | 8 | oz CW-JAR |
| ORTHOSULFUR | 3 | N | C | 1 | 8 | oz CW-JAR |

**Comments:** PID

**Sketch Location:**

see sample TL0007

*Logged BY / Date:* [signature] / 10.16.01

*Reviewed BY / Date:* [signature] 10-16-01

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

**RFA / COC Number:** 185-101601-EMAX

*Location Code:* CWM-185-GP01

*Sample Number:* TF0008

*Sample Name:* CWM-185-GP01-DS-TF0008-REG

*Sampling Method:* DP

*Sample Type:* DS *Sample Purpose:* REG

*Collection Date:* 10.16.01

*Collection Time:* 1338

*Start Depth:* 7'

*End Depth:* 8'

*Sample Matrix:* SOIL

*Sample Team:* Z. Parker / C. Lavaas

**QC Partners:**

(TB) N/A (ER) 101901-ER2 (FB) N/A

**ERPIMS Values:**

*Sacode:*

*Lot Control#:*

**Containers**

| Analytical Suite | Flt | Frtn | Qty | Size | Units | Type |
|---|---|---|---|---|---|---|
| VOLATILES | N | A | 3 | 5 | g | EnCore |
| METALS-S | N | B | 1 | 8 | oz | GW JAR |
| SEMIVOLATILES | N | B | 1 | 8 | oz | GW JAR |
| CWM BREAKDO | N | C | 1 | 8 | oz | GW JAR |
| ORTHOSULFUR | N | C | 1 | 8 | oz | GW JAR |

**Comments:** PID = 0.0

**Sketch Location:**

See sample TL0007

*Logged BY / Date:* Zach Parker / 10.16.01

*Reviewed BY / Date:* [signature] 10-16-01

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

**RFA / COC Number:** 185-110701-EMAX

*Location Code:* **CWM-185-DEP01**

*Sample Number:* **TF0009**

*Sample Name:* **CWM-185-DEP01-DEP-TF0009-REG**

*Sampling Method:* **HA**

*Sample Type:* **DEP** *Sample Purpose:* **REG**

*Collection Date:* 11-07-01

*Collection Time:* 1430

*Start Depth:* 0 ft

*End Depth:* 0.5 ft

*Sample Matrix:* **SOIL**

*Sample Team:* Sylwester/Anderson

**QC Partners:**

(TB) NA (ER) 110901-ER2 (FB) NA

**ERPIMS Values:**

*Sacode:*

*Lot Control#:*

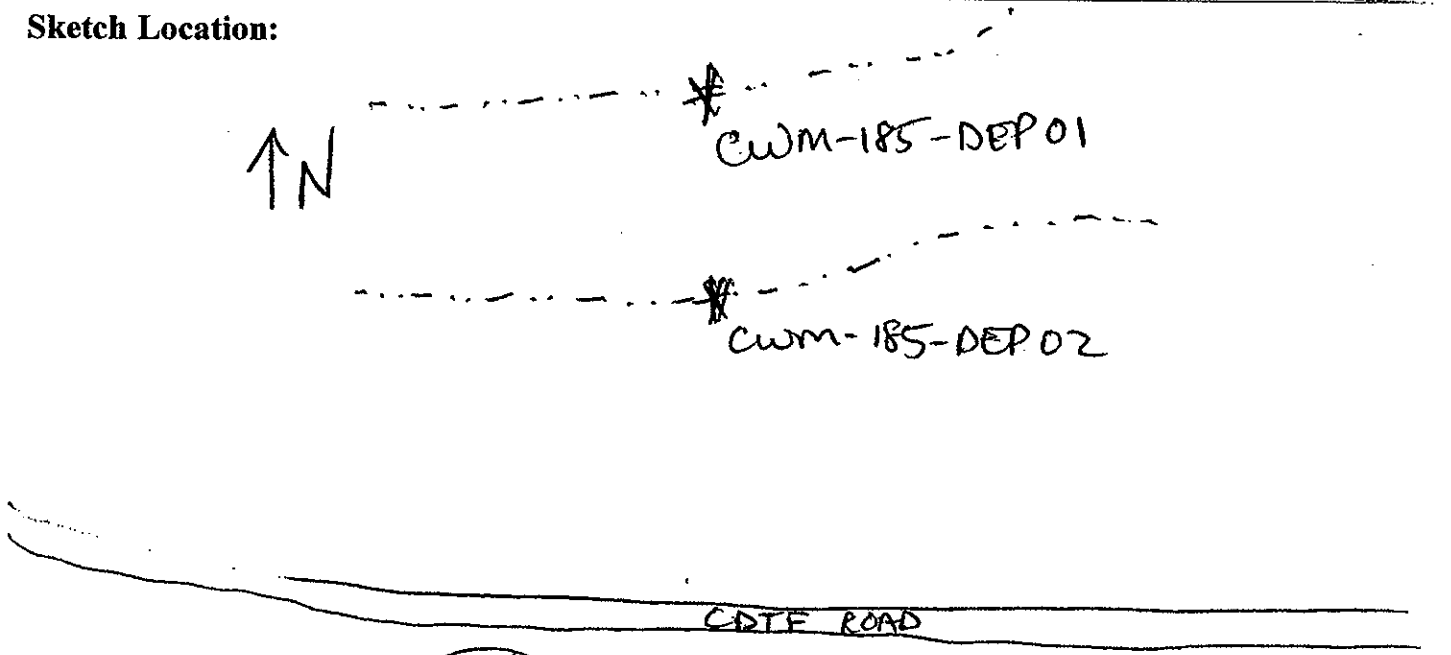
**Containers**

| Analytical Suite | Flt | Frtn | Qty | Size | Units | Type |
|---|---|---|---|---|---|---|
| VOLATILES | N | A | 3 | 5 | g | EnCore |
| METALS-S | N | B | 1 | 8 | oz | CW JAR |
| SEMIVOLATILES | N | B | 1 | 8 | oz | CW JAR |
| CWM BREAKDO | N | C | 1 | 8 | oz | CW JAR |
| ORTHOSULFUR | N | C | 1 | 8 | oz | CW JAR |

Formally CWM-185-SW/SD 01

**Comments:**

**Sketch Location:**




*Logged BY / Date:* [signature] 11/07/01

*Reviewed BY / Date:* [signature] 11-7-01

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

**RFA / COC Number:** 185-110701-EMAX

*Location Code:* **CWM-185-DEP02**

*Sample Number:* **TF0010**

*Sample Name:* **CWM-185-DEP02-DEP-TF0010-REG**

*Sampling Method:* **HA**

*Sample Type:* **DEP** *Sample Purpose:* **REG**

*Collection Date:* 11-07-01

*Collection Time:* 1420

*Start Depth:* 0 ft

*End Depth:* 0.5 ft

*Sample Matrix:* **SOIL**

*Sample Team:* Sylvester/Anderson

**QC Partners:**

(TB) NA (ER) 110901-ER2 (FB) NA

**ERPIMS Values:**

*Sacode:*

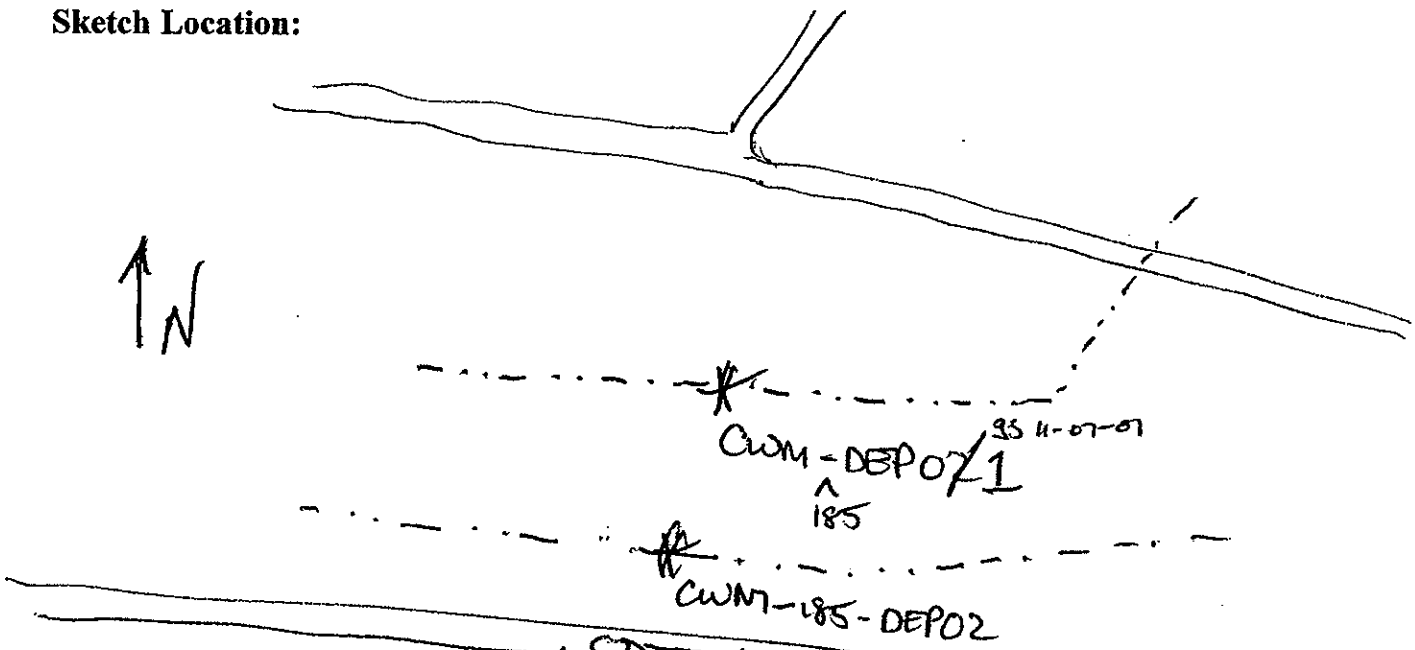
*Lot Control#:*

**Containers**

| Analytical Suite | Flt | Frtn | Qty | Size | Units | Type |
|---|---|---|---|---|---|---|
| [redacted] | | | | | | |

**Comments:** Formally CWM-185-SW/SD 03

**Sketch Location:**




*Logged BY / Date:* 11-07-01 *Reviewed BY / Date:* 11-7-01

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

**RFA / COC Number:** 184-120501-EMAX

*Location Code:* **CWM-184-MW01**

*Sample Number:* **TL3001**

*Sample Name:* **CWM-184-MW01-GW-TL3001-REG**

*Sampling Method:* ~~SP~~ BP

*Sample Type:* **GW** *Sample Purpose:* **REG**

*Collection Date:* 12/6/01

*Collection Time:* 1130

*Start Depth:* 26.49'

*End Depth:* 29.73'

*Sample Matrix:* **WATER**

*Sample Team:* C. Levaas / R. Goins

**QC Partners:**

(TB) 120601-TB (ER) 120701-ER (FB) NA

**ERPIMS Values:**

*Sacode:*

*Lot Control#:*

**Containers**

| Analytical Suite | Flt | Frtn | Qty | Size | Units | Type |
|---|---|---|---|---|---|---|
| [redacted] | | | | | | |

**Comments:** PID background = 0.0 ppm PID well head = 0.0 ppm
metals and volatiles checked, pH<2

**Sketch Location:**

*Logged BY / Date:* Cindy Levaas 12/6/01 *Reviewed BY / Date:* DRG 12-6-01

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

*Location Code:* CWM-184-MW01

*Sample Number:* TL3001

## PURGE RECORD:

| Initial | Time(24hr) | DepthtoWater (ft) | Eh (mV) | pH (SU) | Conductivity (mS/cm) | Turbidity (NTU) | DissOxygen ~~(ppm)~~ mg/L | Temperature (C) | Purge Volume (gal) |
|---|---|---|---|---|---|---|---|---|---|
| CL | 0732 | 26.49 | 339 | 4.75 | 0.035 | 2.7 | 10.19 | 13.21 | Ø |
| | 0807 | 28.65 | 386 | 4.96 | 0.027 | 2.0 | 8.27 | 14.14 | 2.45 |
| | 0823 | | | | Rate | change | | | 3.57 |
| | 0845 | 29.02 | 404 | 5.05 | 0.027 | <1 | 8.62 | 15.33 | 4.30 |
| | 0945 | 29.35 | 378 | 5.03 | 0.028 | 1.1 | 6.34 | 17.55 | 6.28 |
| | 1045 | 29.55 | 407 | 5.14 | 0.028 | 8.5 | 9.02 | 18.20 | 8.68 |
| | 1105 | 29.63 | 396 | 5.11 | 0.029 | 8.8 | 6.18 | ~~18.06~~ CL 18.62 | 9.48 |
| | 1110 | 29.66 | 373 | 5.17 | 0.030 | 1.8 | 6.12 | 18.06 | 9.68 |
| | 1115 | 29.69 | 348 | 5.26 | 0.030 | 1.9 | 3.77 | 17.59 | 9.88 |
| | 1120 | 29.70 | ~~336~~ CL 340 | ~~5.28~~ CL 5.30 | 0.028 | 8.6 | 6.83 | 17.42 | 10.08 |
| | 1125 | 29.71 | 336 | 5.28 | ~~0.00~~ CL 0.028 | 1.9 | 6.97 | 17.76 | 10.28 |
| Sample: | 1130 | 29.73 | 330 | 5.27 | 0.028 | 1.9 | 7.02 | 17.93 | 10.48 |

47.52' – 26.49' = 21.03 × 0.163 = 3.43 gals
TD DTW

3 vols = 10.29 gals
5 vols = 17.15 gals

*Logged BY / Date:* Cindy [illegible] 12/6/01 *Reviewed BY / Date:* [illegible] 12-6-01

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

**RFA / COC Number:** 184- 010803-EMAX

*Location Code:* **CWM-184-MW01**

*Sample Number:* **TL3006**

*Sample Name:* **CWM-184-MW01-GW-TL3006-REG**

*Sampling Method:* **SP**

*Sample Type:* **GW** *Sample Purpose:* **REG**

*Collection Date:* 1-8-03

*Collection Time:* 1015

*Start Depth:* 30'

*End Depth:* 45'

*Sample Matrix:* **WATER**

*Sample Team:* Allen & Flippin

**QC Partners:**

(TB) 010803-TB (ER) 010103-ER (FB) N/A

**ERPIMS Values:**

*Sacode:*

*Lot Control#:*

**Containers**

| Analytical Suite | Flt | Frtn | Qty | Size | Units | Type |
|---|---|---|---|---|---|---|
| VOLATILES_3 | N | A | 3 | 40 | mL | VOA Vial |

**Comments:** PID 0.0 Background, Wellhead, Breathing Zone

TD - DTW WC x .163 = PV 3xPV 5x PV

47.64' - 11.92' = 35.72 x .163 = 5.9 gal 17.7 gal 29.5 gal

**Sketch Location:** Sample pH preserved to less than 2.

*Logged BY / Date:* DOKA 1-8-03 *Reviewed BY / Date:* [signature] 1/8/03

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

*Location Code:* **CWM-184-MW01**

*Sample Number:* **TL3006**

***PURGE RECORD:***

| Initial | Time(24hr) | DepthtoWater (ft) | Eh (mV) | pH (SU) | Conductivity (mS/cm) | Turbidity (NTU) | DissOxygen ~~(ppm)~~ mg/L | Temperature (C) | Purge Volume (gal) |
|---|---|---|---|---|---|---|---|---|---|
| | 0830 | 11.92 | | | | | | | Ø |
| OKA | 0835 | 14.71 | 224.1 | 6.41 | 0.021 | 2.7 | 5.01 | 13.66 | 1 @ .20gpm |
| * | 0865 | 19.22 | 65.3 | 5.56 | 0.043 | 5.7 | 1.96 | 13.87 | 5 |
| | 0915 | 20.97 | 39.8 | 5.61 | 0.049 | 2.3 | 1.35 | 14.14 | 9 |
| ** | 0935 | 22.27 | 22.7 | 5.72 | 0.053 | 2.4 | 0.75 | 14.46 | 13 |
| | 0955 | 23.13 | 20.4 | 5.73 | 0.055 | 1.0 | 0.60 | 14.61 | 17 |
| | 1000 | 23.26 | 18.8 | 5.75 | 0.056 | 0.3 | 0.56 | 14.49 | 18 |
| | 1005 | 23.41 | 19.0 | 5.74 | 0.056 | 1.1 | 0.57 | 14.49 | 19 |
| | 1010 | 23.52 | 18.6 | 5.75 | 0.055 | 1.6 | 0.54 | 14.59 | 20 |
| | | | | | | | | | |
| **Sample:** | | | | | | | | | |

DEKC

* Sulpher Like odor detected

** Pump lowered to 30' BTOC

*Logged BY / Date:* DEKC 1-8-03 *Reviewed BY / Date:* [signature] 1/8/03

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

## Project: 796887 Fort McClellan

**Manager:** Jeanne Yacoub

**RFA / COC Number:** 184-121107-EMAX

*Location Code:* CWM-184-MW02

*Sample Number:* TL3002

*Sample Name:* CWM-184-MW02-GW-TL3002-REG

*Sampling Method:* ~~SP~~ BP

*Sample Type:* GW *Sample Purpose:* REG

*Collection Date:* 12/7/01

*Collection Time:* 0840

*Start Depth:* 13.65'

*End Depth:* 17.27'

*Sample Matrix:* WATER

*Sample Team:* R. Goins / C. Levaas

**QC Partners:**

(TB) 120701-TB (ER) 120701-ER (FB) NA

**ERPIMS Values:**

*Sacode:*

*Lot Control#:*

**Containers**

| Analytical Suite | Flt | Frtn | Qty | Size | Units | Type |
|---|---|---|---|---|---|---|
| [redacted] | | | | | | |

**Comments:** PID well head= 0.0 ppm PID background=0.0 ppm
metals and volatiles checked, pH <2

**Sketch Location:**

*Logged BY / Date:* Cindy Levaas 12/7/01 *Reviewed BY / Date:* [signature] / 12/7/01

INTERNATIONAL TECHNOLOGY CORPORATION

# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

*Location Code:* **CWM-184-MW02**

*Sample Number:* **TL3002**

***PURGE RECORD:***

| Initial | Time(24hr) | DepthtoWater (ft) | Eh (mV) | pH (SU) | Conductivity (mS/cm) | Turbidity (NTU) | DissOxygen (~~ppm~~ mg/L) | Temperature (C) | Purge Volume (gal) |
|---|---|---|---|---|---|---|---|---|---|
| CL 12/6/01 | 1455 | 13.65' | 383 | 5.66 | 0.088 | 51 | 9.80 | 18.86 | Ø |
| | 1521 | | | Rate change | | | | | 2.16 |
| | 1530 | 15.35' | 426 | 5.99 | 0.095 | 29 | 8.68 | 17.94 | 2.70 |
| | 1605 | 16.32' | 432 | 5.37 | 0.095 | 9.3 | 10.65 | 17.46 | 4.70 |
| 12/7/01 | 0710 | 14.28' | 348 | 5.62 | 0.111 | 8.4 | 12.48 | 11.09 | 4.70 |
| | 0745 | 15.72' | 430 | 5.41 | 0.094 | 10.8 | 10.48 | 14.31 | 6.80 |
| | 0800 | 16.22' | 436 | 5.49 | 0.100 | 10.6 | 10.32 | 14.67 | 7.70 |
| | 0805 | 16.35' | 436 | 5.87 | 0.106 | 13.6 | 9.39 | 15.00 | 8.00 |
| | 0810 | 16.48' | 433 | 5.91 | 0.105 | 9.6 | 10.19 | 15.24 | 8.30 |
| | 0815 | 16.60' | 430 | 5.92 | 0.105 | 10.2 | 10.31 | 15.32 | 8.60 |
| | 0820 | 16.77' | 427 | 5.96 | 0.104 | 10.6 | 10.37 | 15.36 | 8.90 |
| | 0825 | 16.90' | 427 | 5.90 | 0.104 | 10.1 | 10.45 | 15.34 | 9.20 |
| | 0830 | 17.02' | 426 | 5.94 | 0.105 | 9.8 | 10.55 | 15.33 | 9.50 |
| | 0835 | 17.18' | 426 | 5.94 | 0.103 | 9.4 | 10.41 | 15.38 | 9.80 |
| **Sample:** | 0840 | 17.27' | 425 | 5.95 | 0.103 | 9.4 | 11.02 | 15.19 | 10.10 |

TD = 32.18' − 13.65' (DTW) = 18.53 × 0.163 (2" well) = 3.02 gals

3 vols = 9.06 gals

5 vols = 15.10 gals

*Logged BY / Date:* Cash Lewis 12/7/01

*Reviewed BY / Date:* [illegible] 12/7/01

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

**RFA / COC Number:** 184-011303-EMAX

*Location Code:* CWM-184-MW02

*Sample Number:* TL3007

*Sample Name:* CWM-184-MW02-GW-TL3007-REG

*Sampling Method:* ~~SP~~ PP STRAW METHOD

*Sample Type:* GW *Sample Purpose:* REG

*Collection Date:* 1-10-03

*Collection Time:* 1245

*Start Depth:* 15 BGS

*End Depth:* 30 BGS

*Sample Matrix:* WATER

*Sample Team:* Allen & Flippen

QC Partners:

(TB) 011003-TB (ER) 011003-ER (FB) n/a

**Containers**

| Analytical Suite | Flt | Frtn | Qty | Size | Units | Type |
|---|---|---|---|---|---|---|
| VOLATILES_3 | N | A | 3 | 40 | mL | VOA Vial |

**ERPIMS Values:**

*Sacode:*

*Lot Control#:*

**Comments:** PID BACKGRN: 0.6 Wellhead 0.0 Breathing Zone 0.0

TD - DTW = WC x .163 = PV 3 x PV 5 x PV

32.28 - 3.42 = 28.86 x .163 = 4.70 14.11 23.5

**Sketch Location:** Sample PH tested below 2

*Logged BY / Date:* [signature] 1-10-03 *Reviewed BY / Date:* [signature] 1/13/03

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

*Location Code:* **CWM-184-MW02**

*Sample Number:* **TL3007**

***PURGE RECORD:*** TD: 32.28

| Initial | Time(24hr) | DepthtoWater (ft) | Eh (mV) | pH (SU) | Conductivity (mS/cm) | Turbidity (NTU) | DissOxygen ~~(ppm)~~ mg/L | Temperature (C) | Purge Volume O (gal) @ .15 |
|---|---|---|---|---|---|---|---|---|---|
| | 1100 | 3.42 | | | | | | | |
| DCA | 1105 | 5.69 | 70.7 | 6.66 | 0.128 | ~~2.45~~ 3.3 | 2.45 | 11.94 | .75 @ .15 |
| | 1125 | 10.04 | 14.7 | 6.36 | 0.167 | 1.9 | 1.13 | 13.82 | 3.75 |
| | 1145 | 9.65 | -7.2 | 6.23 | 0.178 | 1.7 | 0.79 | 13.95 | 6.75 |
| | 1205 | 9.54 | -1.4 | 6.21 | 0.181 | 2.8 | 0.50 | 13.82 | 9.75 |
| | 1225 | 9.64 | 14.6 | 6.16 | 0.169 | 4.0 | 0.48 | 14.06 | 12.75 |
| | 1230 | 9.81 | 20.9 | 6.16 | 0.162 | 3.8 | 0.53 | 14.11 | 13.50 |
| | 1235 | 9.98 | 21.7 | 6.15 | 0.161 | 2.3 | 0.48 | 13.99 | 14.25 |
| | 1240 | 10.09 | 23.2 | 6.14 | 0.160 | 1.8 | 0.48 | 14.03 | 15.00 |
| | | | | | | | | | |
| Sample: | | | | | | | | | |

DCA

*Logged BY / Date:* DCA 1-10-03 *Reviewed BY / Date:* [signature] 1/13/03

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

## Project: 796887 Fort McClellan

**Manager: Jeanne Yacoub**

**RFA / COC Number:** 184-121101-EMAL

*Location Code:* **CWM-184-MW03**

*Sample Number:* **TL3003**

*Sample Name:* **CWM-184-MW03-GW-TL3003-REG**

*Sampling Method:* ~~SP~~ BP

*Sample Type:* **GW** *Sample Purpose:* **REG**

*Collection Date:* 12/11/01

*Collection Time:* 0740

*Start Depth:* 15.60'

*End Depth:* 17.87'

*Sample Matrix:* **WATER**

*Sample Team:* C.Levaas/R.Goins

**QC Partners:**

(TB) 121101-TB (ER) 121401-ER (FB) NA

**ERPIMS Values:**

*Sacode:*

*Lot Control#:*

**Containers**

| Analytical Suite | Flt | Frtn | Qty | Size | Units | Type |
|---|---|---|---|---|---|---|
| [redacted] | | | | | | |

**Comments:** PID well head= 0.0 ppm PID background= 0.0ppm
metals and volatiles checked, pH<2

**Sketch Location:**

*Logged BY / Date:* Cindy Levaas 12/11/01

*Reviewed BY / Date:* DOXC 12-11-01

INTERNATIONAL TECHNOLOGY CORPORATION

# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

*Location Code:* CWM-184-MW03

*Sample Number:* TL3003

## PURGE RECORD:

| Initial | Time(24hr) | DepthtoWater (ft) | Eh (mV) | pH (SU) | Conductivity (mS/cm) | Turbidity (NTU) | DissOxygen ~~(ppm)~~ mg/L | Temperature (C) | Purge Volume (gal) |
|---|---|---|---|---|---|---|---|---|---|
| CL | 0955 | 15.60' | 408 | 4.07 | 0.094 | 2.9 | 10.84 | 10.83 | Ø |
| 12/10/01 | 1030 | 16.82' | 383 | 5.85 | 0.253 | 18.3 | 10.56 | 11.53 | 1.05 |
| | 1105 | 18.52' | 404 | 5.83 | 0.250 | 29.0 | 8.48 | 12.92 | 2.10 |
| | 1140 | 19.00 | 371 | 7.38 | 0.270 | 33.0 | 9.18 | 12.90 | 3.15 |
| | 1215 | 19.20 | 363 | 7.84 | 0.274 | 27.0 | 9.50 | 12.77 | 4.20 |
| | 1250 | 19.36 | 358 | 7.81 | 0.274 | 19.0 | 9.93 | 11.87 | 5.25 |
| | 1325 | 19.42 | 356 | 7.77 | 0.272 | 18.1 | 10.36 | 11.82 | 6.30 |
| | 1345 | Rate change | | | | | | | 7.10 |
| | 1400 | 19.90' | 355 | 7.79 | 0.271 | 11.6 | 8.90 | 11.33 | 7.55 |
| | 1435 | 19.89' | 348 | 7.85 | 0.269 | 11.3 | 9.87 | 11.37 | 8.60 |
| | 1510 | 19.85' | 348 | 7.85 | 0.265 | 9.8 | 8.62 | 11.41 | 9.65 |
| | 1545 | 19.83' | 349 | 7.86 | 0.267 | 13.6 | 6.65 | 11.73 | 10.70 |
| | 1620 | 19.86' | 350 | 7.83 | 0.265 | 12.1 | 7.76 | 11.97 | 11.75 |
| 12/11/01 | 0700 | 15.65 | 369 | 5.62 | 0.269 | 12.7 | 11.55 | 10.49 | 11.75 |
| | 0705 | Rate change | | | | | | | 11.95 |
| | 0730 | 17.60 | 352 | 7.61 | 0.267 | 6.4 | 11.60 | 10.74 | 12.70 |
| | 0735 | 17.77 | 346 | 7.65 | 0.266 | 6.6 | 11.63 | 10.98 | 12.85 |
| Sample: | 0740 | 17.87 | 345 | 7.69 | 0.267 | 6.1 | 11.49 | 11.13 | 13.00 |

37.85' − 15.60' = 22.25' × 0.163 = 3.63 gal  3 vols = 10.89 gals
TD  DTW  2" well  5 vols = 18.15 gals

Logged BY / Date: Cindy Lewis 12/11/01  Reviewed BY / Date: DEKC 12-11-01

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

**RFA / COC Number:** 184-010803-EMAK

*Location Code:* **CWM-184-MW03**

*Sample Number:* **TL3008**

*Sample Name:* **CWM-184-MW03-GW-TL3008-REG**

*Sampling Method:* ~~SP~~ PP / STRAW METHOD

*Sample Type:* **GW** *Sample Purpose:* **REG**

*Collection Date:* 1-8-03

*Collection Time:* 1325

*Start Depth:* 20' BGS

*End Depth:* 35' BGS

*Sample Matrix:* **WATER**

*Sample Team:* ALLEN & FLIPPIN

**QC Partners:**

(TB) 010803-TB (ER) 010003-ER (FB) N/A

**ERPIMS Values:**

*Sacode:*

*Lot Control#:*

**Containers**

| Analytical Suite | Flt | Frtn | Qty | Size | Units | Type |
|---|---|---|---|---|---|---|
| VOLATILES_3 | N | A | 3 | 40 | mL | VOA Vial |

**Comments:** PID 0.0 BACKGRN, WELLHEAD & BREATHING ZONE

TD - DTW = WC x .163 = PV 3 x PV 5 x PV

37.86' - 5.74' = 32.12' x .163 = 5.3 GAL 15.9 26.5

**Sketch Location:** SAMPLE pH preserved to less than 2.

*Logged BY / Date:* [signature] 1-8-03

*Reviewed BY / Date:* [signature] 1/8/03

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

*Location Code:* **CWM-184-MW03**

*Sample Number:* **TL3008**

***PURGE RECORD:***

| Initial | Time(24hr) | DepthtoWater (ft) | Eh (mV) | pH (SU) | Conductivity (mS/cm) | Turbidity (NTU) | DissOxygen ~~(ppm)~~ mg/L | Temperature °(C) | Purge Volume (gal) |
|---|---|---|---|---|---|---|---|---|---|
| | 1100 | 5.74 ~~7.91~~ | | | | | | | 0 |
| OKA | 1105 | 7.91 | -30.8 | 6.93 | 0.244 | 87.0 | 3.84 | 14.97 | .75 @ .15 GPM |
| | 1125 | 13.64 | 27.2 | 7.41 | 0.245 | 63.0 | 3.44 | 15.46 | 3.75 |
| | 1145 | 16.49 | 55.1 | 7.53 | 0.244 | 45.0 | 3.35 | 15.73 | 6.75 |
| | 1205 | 17.71 | 74.2 | 7.54 | 0.240 | 33.0 | 3.15 | 15.70 | 9.75 |
| | 1225 | 18.24 | 80.7 | 7.54 | 0.238 | 30.0 | 2.68 | 16.05 | 12.75 |
| | 1245 | 18.41 | 87.0 | 7.50 | 0.237 | 31.0 | 2.40 | 16.29 | 15.75 |
| | 1305 | 18.52 | 86.7 | 7.47 | 0.237 | 18.0 | 2.06 | 16.32 | 18.75 |
| | 1310 | 18.53 | 88.6 | 7.45 | 0.238 | 16.7 | 1.98 | 16.43 | 19.50 |
| | 1315 | 18.53 | 78.9 | 7.46 | 0.238 | 14.9 | 1.95 | 16.52 | 20.25 |
| | 1320 | 18.54 | 75.3 | 7.46 | 0.239 | 12.2 | 1.96 | 16.55 | 21.00 |
| | | | | | | | | | |
| **Sample:** | | | | | | | | | |

Logged BY / Date: OKA 1-8-03 Reviewed BY / Date: [signature] 1/8/03

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

**RFA / COC Number:** 184-121401-EMAX

*Location Code:* CWM-184-MW04

*Sample Number:* TL3004

*Sample Name:* CWM-184-MW04-GW-TL3004-REG

*Sampling Method:* ~~SP~~ PP

*Sample Type:* GW

*Sample Purpose:* REG

*Collection Date:* 12/13/01

*Collection Time:* 1030

*Start Depth:* 9.23'

*End Depth:* 17.85'

*Sample Matrix:* WATER

*Sample Team:* C. Levaas / R. Goins

**QC Partners:**

(TB) 121301-TB (ER) 121401-ER (FB) Ø NA

**ERPIMS Values:**

*Sacode:*

*Lot Control#:*

**Containers**

| Analytical Suite | Flt | Frtn | Qty | Size | Units | Type |
|---|---|---|---|---|---|---|
| VOLATILES 3 | N | A | 3 | 40 | mL | VOA Vial |
| SEMIVOLATILES | N | B | 2 | 1 | L | Amb Glass |
| METALS W | N | C | 1 | 1 | L | HDPE |
| CWM BREAKDO | N | D | 1 | 1 | L | Amb Glass |
| ORTHOSULFUR | N | E | 1 | 1 | L | Amb Glass |

**Comments:** PID well head = 0.0 ppm PID background = 0.0 ppm
volatiles preserved with HCl, pH < 2

**Sketch Location:** Metals Decanted 12/14/01 @ preserved pH < 2
NTU =

*Logged BY / Date:* [signature] 12-13-01

*Reviewed BY / Date:* [signature] 12-13-01

INTERNATIONAL TECHNOLOGY CORPORATION

# Sample Collection Log

**Project:** 796887 Fort McClellan

**Manager:** Jeanne Yacoub

*Location Code:* CWM-184-MW04

*Sample Number:* TL3004

## PURGE RECORD:

| Initial | Time(24hr) | DepthtoWater (ft) | Eh (mV) | pH (SU) | Conductivity (mS/cm) | Turbidity (NTU) | DissOxygen (ppm) | Temperature (C) | Purge Volume (gal) |
|---|---|---|---|---|---|---|---|---|---|
| | 1323 | 9.23 | 341 | 6.29 | 0.261 | 18.4 | 8.85 | 14.85 | Ø |
| | 1333 | | | Rate | change | | | | 0.6 |
| | 1358 | 13.06 | 376 | 5.64 | 0.260 | 47 | 10.17 | 15.24 | 1.6 |
| | 1433 | 13.12 | 412 | 5.74 | 0.273 | 112 | 9.82 | 15.43 | 3.0 |
| | 1508 | 14.00 | 371 | 7.36 | 0.280 | 52 | 9.96 | 15.40 | 4.23 |
| | 1543 | 15.02 | 367 | 7.22 | 0.271 | 65 | 8.18 | 15.01 | 5.45 |
| | 1600 | 15.58 | 367 | 7.47 | 0.274 | 64 | 8.05 | 15.18 | 6.05 |
| | 0735 | 10.43' | 62 | 7.34 | 0.301 | 48 | 10.01 | 16.43 | 6.05 |
| | 0751 | | | Rate | change | | | | 7.01 |
| | 0810 | 13.35' | 70 | 7.25 | 0.244 | 189 | 10.17 | 16.25 | 7.77 |
| | 0845 | 14.76 | 73 | 7.25 | 0.241 | 104 | 10.61 | 16.53 | 9.17 |
| | 0920 | 15.60' | 69 | 7.34 | 0.241 | 105 | 10.36 | 17.15 | 10.57 |
| | 0955 | 16.75' | 70 | 7.27 | 0.238 | 80 | 10.86 | 17.43 | 11.97 |
| | 1010 | 17.35' | 73 | 7.19 | 0.246 | 101 | 10.62 | 17.28 | 12.57 |
| | 1015 | 17.50' | 50 | 7.91 | 0.245 | 97 | 8.24 | 17.63 | 12.77 |
| | 1020 | 17.64 | 43 | 8.04 | 0.242 | 102 | 8.55 | 17.43 | 12.97 |
| | 1025 | 17.79 | 43 | 8.17 | 0.256 | 100 | 8.37 | 17.40 | 13.17 |
| Sample: | 1030 | 17.85 | 44 | 8.23 | 0.255 | 96 | 8.42 | 17.39 | 13.37 |

22.62' − 9.23' = 13.39' × 0.163 = 2.18 gal  3 vols = 6.54 gals
TD  DTW  2" well  5 vols = 10.90 gals

Logged BY / Date: Cindy Wass 12-13-01  Reviewed BY / Date: 12-13-01

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

**RFA / COC Number:** 184-011403-EMAK

*Location Code:* **CWM-184-MW04**

*Sample Number:* **TL3009**

*Sample Name:* **CWM-184-MW04-GW-TL3009-REG**

*Sampling Method:* ~~SP~~ PP STRAW METHOD

*Sample Type:* **GW** *Sample Purpose:* **REG**

*Collection Date:* 1-14-03

*Collection Time:* 1400

*Start Depth:* 10 BGS

*End Depth:* 20 BGS

*Sample Matrix:* **WATER**

*Sample Team:* Allen & Flippin

**QC Partners:**

(TB) 011403-TB (ER) 011703-ER (FB) N/A

**ERPIMS Values:**

*Sacode:*

*Lot Control#:*

**Containers**

| Analytical Suite | Flt | Frtn | Qty | Size | Units | Type |
|---|---|---|---|---|---|---|
| VOLATILES_3 | N | A | 3 | 40 | mL | VOA Vial |

**Comments:** PID Readings 0.0

TD - DTW = WC x .163 = PV 3x PV 5x PV

22.62' - 2.57' = 20.05 x .163 = 3.3 gal 9.9 gal 16.5 gal

**Sketch Location:** Sample PH Tested less than 2

*Logged BY / Date:* [signature] 1-14-03 *Reviewed BY / Date:* [signature] 1/15/03

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# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

*Location Code:* **CWM-184-MW04**

*Sample Number:* **TL3009**

## PURGE RECORD:

| Initial | Time(24hr) | DepthtoWater (ft) | Eh (mV) | pH (SU) | Conductivity (mS/cm) | Turbidity (NTU) | DissOxygen ~~(ppm)~~ mg/l | Temperature (C) | Purge Volume Ø (gal) |
|---|---|---|---|---|---|---|---|---|---|
| | 0820 | 2.57 | | | | | | | |
| DKA | 0830 | 6.94 | 208.7 | 7.04 | 0.204 | 22.0 | 2.66 | 11.38 | 0.8 @ 0.08 GPM |
| | 0850 | 12.21 | 210.3 | 7.25 | 0.206 | 16.4 | 2.04 | 11.73 | 2.4 |
| | 0910 | 13.14 | 214.1 | 7.33 | 0.206 | 23.0 | 2.32 | 12.17 | 4.0 |
| | 0930 | 13.51 | 218.4 | 7.36 | 0.215 | 48.0 | 1.69 | 12.12 | 5.6 |
| | 0950 | 14.62 | 219.5 | 7.40 | 0.212 | 112.0 | 1.37 | 12.94 | 7.2 |
| | 1010 | 15.70 | 219.5 | 7.47 | 0.209 | 571.0 | 1.78 | 13.41 | 8.8 |
| | 1030 | 16.53 | 219.5 | 7.53 | 0.210 | 562.0 | 2.47 | 14.17 | 10.4 |
| | 1050 | 16.94 | 214.6 | 7.52 | 0.213 | 728.0 | 2.29 | 14.20 | 11.6 @ 0.06 GPM |
| | 1110 | 17.39 | 199.2 | 7.51 | 0.217 | 638.0 | 1.83 | 14.77 | 12.8 |
| | 1140 | 17.93 | 174.1 | 7.51 | 0.218 | 542.0 | 1.71 | 15.30 | 14.6 |
| | 1210 | 18.59 | 138.4 | 7.52 | 0.221 | 525.0 | 1.70 | 15.53 | 16.4 |
| | 1240 | 19.18 | 81.2 | 7.48 | 0.221 | 513.0 | 1.82 | 15.01 | 18.2 |
| | 1310 | 19.71 | 43.3 | 7.48 | 0.221 | 547.0 | 1.82 | 15.39 | 20.0 |
| | 1330 | 21.07 | 41.3 | 7.45 | 0.217 | 515.0 | 0.65 | 15.83 | 23.0 @ .15 |
| | | | | | | | | | |
| **Sample:** | 1400 | — | 129.8 | 7.55 | 0.216 | 486 | 2.92 | 14.80 | 23.25 |

Recharge Rate: 19.50' @ 1340
20.00' @ 1354

*Logged BY / Date:* DKA 1-14-03

*Reviewed BY / Date:* [illegible] 1/15/03

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

**RFA / COC Number:** 184-120501-EMAX

*Location Code:* CWM-184-MW05

*Sample Number:* TL3005

*Sample Name:* CWM-184-MW05-GW-TL3005-REG

*Sampling Method:* ~~SP~~ BP

*Sample Type:* GW *Sample Purpose:* REG

*Collection Date:* 12/5/01

*Collection Time:* 1315

*Start Depth:* 23.27'

*End Depth:* 27.04'

*Sample Matrix:* WATER

*Sample Team:* R.Gavis/C.Lenaas

**QC Partners:**

(TB) 120501-TB (ER) 120701-ER (FB) N/A

**ERPIMS Values:**

*Sacode:*

*Lot Control#:*

**Containers**

| Analytical Suite | Flt | Frtn | Qty | Size | Units | Type |
|---|---|---|---|---|---|---|
| [redacted] | | | | | | |

**Comments:** PID background = 0.0 ppm PID well head = 1.1 ppm
metals and volatiles checked, pH<2

**Sketch Location:**

MS/MSD moved from CWM-184-MW05 To This Location.

*Logged BY / Date:* Cindy Lenaas 12/5/01 *Reviewed BY / Date:* DKOen 12/6/01

INTERNATIONAL TECHNOLOGY CORPORATION

# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

*Location Code:* **CWM-184-MW05**

*Sample Number:* **TL3005**

***PURGE RECORD:***

| Initial | Time(24hr) | DepthtoWater (ft) | Eh (mV) | pH (SU) | Conductivity (mS/cm) | Turbidity (NTU) | DissOxygen ~~(ppm)~~ mg/L | Temperature (C) | Purge Volume (gal) |
|---|---|---|---|---|---|---|---|---|---|
| CL | 0910 | 23.27' | 333 | 6.17 | 0.233 | 13.6 | 10.63 | 15.47 | Ø |
| | 0945 | 25.46' | 379 | 5.90 | 0.263 | 10.5 | 10.44 | 16.42 | 2.10 |
| | 1020 | 25.86' | 393 | 6.19 | 0.301 | 8.5 | 8.54 | 16.97 | 4.20 |
| | 1055 | 26.10' | 402 | 6.06 | 0.299 | 3.1 | 10.18 | 17.41 | 6.30 |
| | 1130 | 26.30' | 405 | 5.98 | 0.277 | 14.0 | 10.09 | 17.72 | 8.40 |
| | 1205 | 26.50' | 386 | 5.97 | 0.272 | 11.9 | 11.03 | 18.73 | 10.50 |
| | 1240 | 26.95' | 365 | 6.11 | 0.273 | 10.5 | 14.18 | 19.49 | 12.60 |
| | 1300 | 27.03' | 361 | 7.06 | 0.262 | 9.4 | 8.64 | 18.91 | 13.80 |
| | 1305 | 27.05' | 365 | 7.02 | 0.253 | 9.5 | 10.37 | 18.07 | 14.10 |
| | 1310 | 27.04' | 369 | 7.00 | 0.254 | 9.4 | 11.71 | 17.95 | 14.40 |
| Sample: | 1315 | 27.04' | 369 | 7.03 | 0.254 | 9.1 | 10.95 | 17.81 | 14.70 |

51.94' (TD) − ~~28.67'~~ 23.27' (DTW) = 28.67' × 0.163 = 4.67 gal

3 vol = 14.01 gal
5 vol = 23.35 gal

*Logged BY / Date:* Cindy Ware 11/5/01 *Reviewed BY / Date:* DOK 12/5/01

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

**RFA / COC Number:** 184-120501-EMAX

*Location Code:* CWM-184-~~MW01~~ MW05

*Sample Number:* ~~TL3001-MS~~ TL3005-MS

*Sample Name:* CWM-184-MW01-GW-TL3001-MS

*Sampling Method:* ~~SP~~ BP

*Sample Type:* GW *Sample Purpose:* MS

*Collection Date:* 12/5/01

*Collection Time:* 1315

*Start Depth:* 23.27'

*End Depth:* 27.04'

*Sample Matrix:* WATER

*Sample Team:* R. Goins / C. Lenaas

**QC Partners:**

(TB) 120501-TB (ER) 120701-ER (FB)

**ERPIMS Values:**

*Sacode:*

*Lot Control#:*

**Containers**

| Analytical Suite | Flt | Frtn | Qty | Size | Units | Type |
|---|---|---|---|---|---|---|
| [redacted] | | | | | | |

**Comments:** PID background= 0.0 ppm PID well head= 1.1 ppm
metals and volatiles checked, pH<2

**Sketch Location:**

*Logged BY / Date:* Cindy Lenaas 12/5/01 *Reviewed BY / Date:* [signature] 12-5-01

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

*Location Code:* **CWM-184-~~MW01~~** MW05

*Sample Number:* **~~TL3001-MS~~** TL3005-MS

***PURGE RECORD:***

| Initial | Time(24hr) | DepthtoWater (ft) | Eh (mV) | pH (SU) | Conductivity (mS/cm) | Turbidity (NTU) | DissOxygen (ppm) | Temperature (C) | Purge Volume (gal) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| Sample: | | | | | | | | | |

See sample collection log

TL3005 REG

*Logged BY / Date:* Candy Williams 12/5/01 *Reviewed BY / Date:* 12-5-01

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

**RFA / COC Number:** 184-120501-EMAX

*Location Code:* **CWM-184-~~MW01~~** MW05

*Sample Number:* ~~**TL3001-MSD**~~ TL3005-MSD

*Sample Name:* **CWM-184-MW01-GW-TL3001-MSD**

*Sampling Method:* ~~**SP**~~ BP

*Sample Type:* **GW** *Sample Purpose:* **MSD**

*Collection Date:* 12/5/01

*Collection Time:* 1315

*Start Depth:* 23.27'

*End Depth:* 27.04'

*Sample Matrix:* **WATER**

*Sample Team:* R.Goins / C. Levaas

**QC Partners:**

(TB) 120501-TB (ER) 120701-ER (FB) N/A

**ERPIMS Values:**

*Sacode:*

*Lot Control#:*

**Containers**

| Analytical Suite | Flt | Frtn | Qty | Size | Units | Type |
|---|---|---|---|---|---|---|
| [redacted] | | | | | | |

**Comments:** PID background = 0.0 ppm PID well head = 1.1 ppm
metals and volatiles checked, pH <2

**Sketch Location:**

*Logged BY / Date:* Cindy Levaas 12/5/01 *Reviewed BY / Date:* [illegible] 12-5-01

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

*Location Code:* CWM-184-~~MW01~~ MW05

*Sample Number:* ~~TL3001-MSD~~ TL3005-MSD

***PURGE RECORD:***

| Initial | Time(24hr) | DepthtoWater (ft) | Eh (mV) | pH (SU) | Conductivity (mS/cm) | Turbidity (NTU) | DissOxygen (ppm) | Temperature (C) | Purge Volume (gal) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| Sample: | | | | | | | | | |

See sample collection log

TL3005 REG

*Logged BY / Date:* Cindy Irvaas 12/5/01 *Reviewed BY / Date:* DOKA 12-5-01

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

**RFA / COC Number:** 184-11303-EMAX

*Location Code:* **CWM-184-MW05**

*Sample Number:* **TL3010**

*Sample Name:* **CWM-184-MW05-GW-TL3010-REG**

*Sampling Method:* **SP**

*Sample Type:* **GW** *Sample Purpose:* **REG**

*Collection Date:* 1-10-03

*Collection Time:* 1010

*Start Depth:* 25 BGS

*End Depth:* 50 BGS

*Sample Matrix:* **WATER**

*Sample Team:* Allen & Flippin

**QC Partners:**

(TB) 011003-TR (ER) 011003-ER (FB) N/A

**ERPIMS Values:**

*Sacode:*

*Lot Control#:*

**Containers**

| Analytical Suite | Flt | Frtn | Qty | Size | Units | Type |
|---|---|---|---|---|---|---|
| VOLATILES_3 | N | A | 3 | 40 | mL | VOA Vial |

**Comments:** PID 0.0

TD - DTW = WC x .163 = PV 3x PV 5x PV

51.98' - 10.02' = 41.96' x .163 = PV(6.84 gal) 20.52 gal 34.2 gal

**Sketch Location:** Sample PH Tested below 2.

*Logged BY / Date:* DeKa 1-10-03

*Reviewed BY / Date:* [signature] 1/13/03

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

**Project:** 796887 Fort McClellan

**Manager:** Jeanne Yacoub

*Location Code:* **CWM-184-MW05**

*Sample Number:* **TL3010**

***PURGE RECORD:***

| Initial | Time(24hr) | DepthtoWater (ft) | Eh (mV) | pH (SU) | Conductivity (mS/cm) | Turbidity (NTU) | DissOxygen ~~(ppm)~~ mg/l | Temperature (C) | Purge Volume O (gal) |
|---|---|---|---|---|---|---|---|---|---|
| START | 0825 | 10.02 | | | | | | | |
| * OKA | 0830 | 13.50 | -123.4 | 6.72 | 0.239 | 23 | 0.91 | 13.96 | 1.25 @ .25 GPM |
| ** | 0850 | 18.41 | -138.0 | 6.97 | 0.257 | 34 | 0.44 | 14.07 | 6.25 |
| | 0910 | 20.39 | -161.2 | 7.17 | 0.277 | 23 | 0.25 | 14.52 | 11.25 |
| | 0930 | 21.31 | -161.3 | 7.24 | 0.284 | 11.0 | 0.28 | 14.74 | 16.25 |
| | 0950 | 22.03 | -151.4 | 7.21 | 0281 | 8.3 | 0.21 | 14.38 | 21.25 |
| | 0955 | 22.30 | -150.7 | 7.21 | 0.282 | 9.5 | 0.21 | 14.74 | 22.50 |
| | 1000 | 22.47 | -146.9 | 7.17 | 0.281 | 8.1 | 0.21 | 14.62 | 23.75 |
| | 1005 | 22.61 | -145.3 | 7.17 | 0.279 | 7.6 | 0.22 | 14.51 | 25.00 |
| | | | | | | | | | |
| Sample: | | | | | | | | | |

DOKC

* Pump @ 25' BTOC (MOD - STRONG sulpher ODOR)

** Pump @ 27' BTOC

*Logged BY / Date:* DOKC 1-10-03 *Reviewed BY / Date:* [illegible] 1/13/03

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

**RFA / COC Number:** 184-11307-EMAX

*Location Code:* **CWM-184-MW05**

*Sample Number:* **TL3011**

*Sample Name:* **CWM-184-MW05-GW-TL3011-FD**

*Sampling Method:* **SP**

*Sample Type:* **GW** *Sample Purpose:* **FD**

*Collection Date:* 1-10-03

*Collection Time:* 1010

*Start Depth:* 25 BGS

*End Depth:* 50 BGS

*Sample Matrix:* **WATER**

*Sample Team:* Allen & Flippin

**QC Partners:**

(TB) 011003-TB (ER) 011003-ER (FB) N/A

**ERPIMS Values:**

*Sacode:*

*Lot Control#:*

**Containers**

| Analytical Suite | Flt | Frtn | Qty | Size | Units | Type |
|---|---|---|---|---|---|---|
| VOLATILES_3 | N | A | 3 | 40 | mL | VOA Vial |

**Comments:** PID 0.0

TD - DTW = WC x .163 = PV 3x PV 5x PV

51.98' - 10.02' = 41.96' x .163 = 6.84 gal 20.52 gal 34.2 gal

**Sketch Location:** sample PH Tested below 2.

*Logged BY / Date:* [signature] 1-10-03 *Reviewed BY / Date:* [signature] 1/13/03

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

*Location Code:* **CWM-184-MW05**

*Sample Number:* **TL3011**

***PURGE RECORD:***

| Initial | Time(24hr) | DepthtoWater (ft) | Eh (mV) | pH (SU) | Conductivity (mS/cm) | Turbidity (NTU) | DissOxygen ~~(ppm)~~ mg/L | Temperature (C) | Purge Volume (gal) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| Sample: | | | | | | | | | |

See Purge Record for Sample # TL3010

*Logged BY / Date:* Dek a 1-10-03 *Reviewed BY / Date:* [illegible] 1/13/03

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

**RFA / COC Number:** 185-120401-EMAX

*Location Code:* CWM-185-MW01

*Sample Number:* TF3001

*Sample Name:* CWM-185-MW01-GW-TF3001-REG

*Sampling Method:* ~~SP~~ PP

*Sample Type:* GW *Sample Purpose:* REG

*Collection Date:* 12/04/01

*Collection Time:* 1145

*Start Depth:* 7.86

*End Depth:* 7.95

*Sample Matrix:* WATER

*Sample Team:* JHC

**QC Partners:**

(TB) 120401-TB2 (ER) 120701-ER (FB) NA

**ERPIMS Values:**

*Sacode:*

*Lot Control#:*

**Containers**

| Analytical Suite | Flt | Frtn | Qty | Size | Units | Type |
|---|---|---|---|---|---|---|
| [redacted] | | | | | | |

**Comments:**

**Sketch Location:**

12/04/01

*Logged BY / Date:* [signature] *Reviewed BY / Date:* [signature] 12-4-01

INTERNATIONAL TECHNOLOGY CORPORATION

# Sample Collection Log

**Project:** 796887 Fort McClellan

**Manager:** Jeanne Yacoub

*Location Code:* CWM-185-MW01

*Sample Number:* TF3001

**PURGE RECORD:**

| Initial | Time(24hr) | DepthtoWater (ft) | Eh (mV) | pH (SU) | Conductivity (mS/cm) | Turbidity (NTU) | DissOxygen ~~(ppm)~~ mg/L | Temperature (C) | Purge Volume (gal) |
|---|---|---|---|---|---|---|---|---|---|
| JHC | 1030 | 7.25 | 75 | 5.99 | .348 | 14 | 8.14 | 17.6 | .06 gal |
| | 1050 | 7.64 | 130 | 7.12 | .324 | 7 | 8.77 | 17.2 | 3.2 |
| | 1110 | 7.83 | 165 | 7.33 | .311 | 8 | 9.39 | 18.7 | 6.4 gal |
| X | 1120 | 7.85 | 145 | ~~7.65~~ 7.40 | .303 | 5 | 10.09 | 18.3 | 8.6 |
| | 1135 | 7.85 | 140 | 7.41 | .301 | 4.5 | 10.20 | 18.5 | ~~3.0~~ 10.4 |
| | 1140 | 7.86 | 140 | 7.38 | .299 | 4 | 10.27 | 18.7 | ~~4.2~~ 11.2 |
| | See Purge Log For TF3003 | | | | | | | DKA 5 Dec 2001 | |
| Sample: | 1145 | 7.86 | 135 | 7.39 | .299 | 4 | 10.31 | 19.0 | ~~4.5~~ 12 |

TD - 27.70
DTW - 7.25
20.45 x .163 = 3.3
3.3 x 3 = 9.9
3.3 x 5 = 16.5

PID - 0.0
Voc, Diac PH<2
Metal PH<2

Logged BY / Date: 12/04/01

Reviewed BY / Date: 12-4-01

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

## Project: 796887 Fort McClellan

**Manager: Jeanne Yacoub**

**RFA / COC Number:** 185-120401-EMAX

*Location Code:* CWM-185-MW~~02~~ 01

*Sample Number:* TF3003

*Sample Name:* CWM-185-MW~~02~~ 01-GW-TF3003-FD

*Sampling Method:* ~~SP~~ PP

*Sample Type:* GW

*Sample Purpose:* FD

*Collection Date:* 12/04/01

*Collection Time:* 1145

*Start Depth:* 7.86

*End Depth:* 7.95

*Sample Matrix:* WATER

*Sample Team:* JHC

**QC Partners:**

(TB) 120401-TB2 (ER) 120701-ER (FB) NA

**ERPIMS Values:**

*Sacode:*

*Lot Control#:*

**Containers**

| Analytical Suite | Flt | Frtn | Qty | Size | Units | Type |
|---|---|---|---|---|---|---|
| [redacted] | | | | | | |

**Comments:** This Field Duplicate has been moved from CWM-185-MW02 to CWM-185-MW01

**Sketch Location:**

*Logged BY / Date:* 12/04/01

*Reviewed BY / Date:* 12-4-01

INTERNATIONAL TECHNOLOGY CORPORATION

# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

*Location Code:* CWM-185-MW~~02~~ 01

*Sample Number:* TF3003

**PURGE RECORD:**

| Initial | Time(24hr) | DepthtoWater (ft) | Eh (mV) | pH (SU) | Conductivity (mS/cm) | Turbidity (NTU) | DissOxygen ~~(ppm)~~ mg/L | Temperature (C) | Purge Volume (gal) |
|---|---|---|---|---|---|---|---|---|---|
| JHC | 1030 | 7.25 | 75 | 5.99 | .348 | 14 | 8.14 | 17.6 | .16 gal |
| | 1050 | 7.64 | 130 | 7.12 | .324 | 7 | 8.77 | 17.2 | 3.2 gal |
| | 1110 | 7.83 | 165 | 7.33 | .311 | 8 | 9.39 | 18.7 | 6.4 |
| | 1130 | 7.85 | 145 | 7.40 | .303 | 5 | 10.09 | 18.3 | 9.6 |
| | 1135 | 7.85 | 140 | 7.41 | .301 | 4.5 | 10.20 | 18.5 | 10.4 |
| | 1140 | 7.86 | 140 | 7.38 | .299 | 4 | 10.27 | 18.7 | 11.2 |
| Sample: | 1145 | 7.86 | 135 | 7.39 | .299 | 4 | 10.31 | 19.0 | 12 |

TD – 27.70
DTW – 7.25
20.45 x .163 = 3.3
3.3 x 3 = 9.9
3.3 x 5 = 16.5

PID – 0.0
VOC, Inc. PH < 2
Metals PH < 2

Logged BY / Date: [signature]

Reviewed BY / Date: [signature] 12-04-01

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

**RFA / COC Number:** 185-010903-EMAX

*Location Code:* CWM-185-MW01

*Sample Number:* TF3004

*Sample Name:* CWM-185-MW01-GW-TF3004-REG

*Sampling Method:* ~~SP~~ PP STRAW METHOD

*Sample Type:* GW *Sample Purpose:* REG

*Collection Date:* 1-9-03

*Collection Time:* 1250

*Start Depth:* 10' BGS

*End Depth:* 25' BGS

*Sample Matrix:* WATER

*Sample Team:* ALLEN & FLIPPIN

QC Partners:

(TB) 010903-TB (ER) 011003-ER (FB) N/A

**ERPIMS Values:**

*Sacode:*

*Lot Control#:*

**Containers**

| Analytical Suite | Flt | Frtn | Qty | Size | Units | Type |
|---|---|---|---|---|---|---|
| VOLATILES_3 | N | A | 3 | 40 | mL | VOA Vial |
| ~~SEMIVOLATILES~~ | ~~N~~ | ~~B~~ | ~~2~~ | ~~1~~ | ~~L~~ | ~~Amb. Glass~~ |
| ~~METALS W~~ | ~~N~~ | ~~C~~ | ~~1~~ | ~~1~~ | ~~L~~ | ~~HDPE~~ |
| ~~CA BREAKDOWN~~ | ~~N~~ | ~~D~~ | ~~1~~ | ~~1~~ | ~~L~~ | ~~Amb. Glass~~ |
| ~~ORTHOSULFUR~~ | ~~N~~ | ~~E~~ | ~~1~~ | ~~1~~ | ~~L~~ | ~~Amb. Glass~~ |

VOA'S ONLY

**Comments:** PID BACKGRN: 0.2 WELL HEAD: 0.2 BREATHING ZONE: 0.2

TD - DTW = WC x .163 = PV x 3 x 5

27.78' - 2.35' = 25.43' x .163 = 4.15 12.45 20.75

**Sketch Location:** Sample PH tested below 2.

*Logged BY / Date:* DKC 1-9-03 *Reviewed BY / Date:* [signature] 1/9/03

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

*Location Code:* **CWM-185-MW01**

*Sample Number:* **TF3004**

Pump @ 6' BTOC

**PURGE RECORD:**

| Initial | Time(24hr) | DepthtoWater (ft) | Eh (mV) | pH (SU) | Conductivity (mS/cm) | Turbidity (NTU) | DissOxygen ~~(ppm)~~ mg/L | Temperature (C) | Purge Volume (gal) |
|---|---|---|---|---|---|---|---|---|---|
| | 1100 | 2.35 | | | | | | | 0 |
| OKA | 1105 | 3.09 | 177.8 | 7.56 | 0.231 | 11.5 | 4.52 | 16.17 | 0.6 @.15 |
| | 1125 | 3.30 | 169.2 | 7.41 | 0.232 | 7.7 | 4.49 | 16.15 | 3.0 |
| | 1145 | 3.33 | 167.8 | 7.30 | 0.231 | 2.6 | 4.50 | 16.51 | 5.4 |
| | 1205 | 3.34 | 164.2 | 7.30 | 0.229 | 1.7 | 4.26 | 16.59 | 7.8 |
| | 1225 | 3.33 | 161.8 | 7.28 | 0.226 | 1.9 | 4.23 | 16.65 | 10.2 |
| | 1245 | 3.34 | 167.1 | 7.26 | 0.225 | 1.8 | 4.39 | 16.25 | 12.6 |
| | | | | | | | | | |
| **Sample:** | | | | | | | | | |

OKC

*Logged BY / Date:* OKC 1-9-03 *Reviewed BY / Date:* Keith Hy 1/9/03

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

## Project: 796887 Fort McClellan

**Manager:** Jeanne Yacoub

**RFA / COC Number:** 185-120401-EMAX

*Location Code:* **CWM-185-MW02**

*Collection Date:* 12/04/01

*Sample Number:* **TF3002**

*Collection Time:* 1600

*Sample Name:* **CWM-185-MW02-GW-TF3002-REG**

*Start Depth:* 7.37

*Sampling Method:* ~~SP~~ PP

*End Depth:* 7.40

*Sample Type:* **GW**

*Sample Purpose:* **REG**

*Sample Matrix:* **WATER**

**QC Partners:**

(TB) 120401-TB2 (ER) 120701-ER (FB) NA

*Sample Team:* BH - JC

**ERPIMS Values:**

*Sacode:*

*Lot Control#:*

**Containers**

| Analytical Suite | Flt | Frtn | Qty | Size | Units | Type |
|---|---|---|---|---|---|---|
| [redacted] | | | | | | |

**Comments:**

**Sketch Location:**

*Logged BY / Date:* [signature] 12/04/01

*Reviewed BY / Date:* [signature] 12-4-01

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

*Location Code:* **CWM-185-MW02**

*Sample Number:* **TF3002**

## PURGE RECORD:

| Initial | Time(24hr) | DepthtoWater (ft) | Eh (mV) | pH (SU) | Conductivity (mS/cm) | Turbidity (NTU) | DissOxygen ~~(ppm)~~ mg/L | Temperature (C) | Purge Volume (gal) |
|---|---|---|---|---|---|---|---|---|---|
| | 14.45 | 6.15 | 215 | 7.68 | .378 | 14 | 10.87 | 19.2 | .125 |
| | 1505 | 7.19 | 215 | 7.80 | .379 | 11.6 | 10.85 | 18.1 | 2.5 gal |
| | 15.25 | 7.34 | 230 | 7.88 | .382 | 6.1 | 10.90 | 17.5 | 5 |
| | 1545 | 7.36 | 240 | 7.83 | .388 | 4.0 | 10.65 | 17.5 | 7.5 |
| | 1500 | 7.36 | 250 | 7.81 | .393 | 2.8 | 10.69 | 17.3 | 8.125 |
| | 1555 | 7.37 | 255 | 7.79 | .394 | 3.5 | 10.67 | 17.1 | 8.750 |
| Sample: | 1600 | 7.37 | 250 | 7.79 | .396 | 3.1 | 10.67 | 17.0 | 9.375 |

~~DTD~~ 22.78

DTW - 6.15

16.63 x .163 = 2.7

2.7 x 3 = 8.1

2.7 x 5 = 13.5

PID - 0.0

VOC Frac PH<2

Metals PH<2

12/04/01

Logged BY / Date: [signature]

Reviewed BY / Date: [signature] 12-04-01

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

**RFA / COC Number:** 185-010903-Ekk

*Location Code:* **CWM-185-MW02**

*Sample Number:* **TF3005**

*Sample Name:* **CWM-185-MW02-GW-TF3005-REG**

*Sampling Method:* **SP**

*Sample Type:* **GW** *Sample Purpose:* **REG**

*Collection Date:* 1-9-03

*Collection Time:* 1025

*Start Depth:* 10' BGS

*End Depth:* 20' BGS

*Sample Matrix:* **WATER**

*Sample Team:* Allen + Flippin

**QC Partners:**

(TB) 010903-TB (ER) 011003-ER (FB) N/A

**ERPIMS Values:**

*Sacode:*

*Lot Control#:*

**Containers**

| Analytical Suite | Flt | Frtn | Qty | Size | Units | Type |
|---|---|---|---|---|---|---|
| VOLATILES_3 | N | A | 3 | 40 | mL | VOA Vial |

**Comments:** PID Backgrn: 0.0 Well Head: 0.0 Breathing Zone: 0.0

TD - DTW = WC x .163 = PV 3 x PV 5 x PV 6 x PV

23.03' - 2.86' = 20.17' x .163 = 3.3 Gal 9.9 gal 16.5 gal 19.8 gal

**Sketch Location:** Sample pH Tested less than 2.

*Logged BY / Date:* [signature] 1-9-03 *Reviewed BY / Date:* [signature] 1/9/03

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

**Project:** 796887 Fort McClellan

**Manager:** Jeanne Yacoub

*Location Code:* **CWM-185-MW02**

*Sample Number:* **TF3005**

START: Pump @ 17' BTOC

## PURGE RECORD:

| Initial | Time(24hr) | DepthtoWater (ft) | Eh (mV) | pH (SU) | Conductivity (mS/cm) | Turbidity (NTU) | DissOxygen ~~(ppm)~~ mg/L | Temperature (C) | Purge Volume (gal) |
|---|---|---|---|---|---|---|---|---|---|
| | 0755 | 2.86 | | | | | | | 0 |
| OKA | 0800 | 4.97 | -25.0 | 7.16 | 0.167 | 999+ | 6.91 | 13.39 | 1 @ .2 |
| | 0820 | 5.57 | 80.6 | 7.59 | 0.168 | 999+ | 6.13 | 13.98 | 5 |
| | * 0840 | 5.65 | 106.7 | 7.68 | 0.171 | 820 | 5.28 | 14.39 | 9 |
| | ** 0910 | 6.00 | 131.7 | 7.66 | 0.170 | 639 | 4.17 | 14.43 | ~~13~~ 15 |
| | 0930 | 6.02 | 142.5 | 7.63 | 0.169 | 505 | 4.25 | 14.36 | ~~17~~ 19 |
| LW FLOW @ .075 GPM | — 0950 | 4.17 | 148.6 | 7.67 | 0.169 | 175 | 4.77 | 14.00 | 20.5 .075 |
| | 1010 | 4.10 | 148.7 | 7.71 | 0.169 | 123 | 4.47 | 14.71 | 22.0 |
| | 1020 | 3.97 | 150.9 | 7.69 | 0.169 | 90 | 4.41 | 14.69 | 22.75 |
| Sample: | | | | | | | | | |

DEXC

* Raised Pump To 10' BTOC

** Raised Pump To 9' BTOC

— Raised Pump To 7' BTOC

1.5" mud in bottom of well.

*Logged BY / Date:* DEXC 1-9-03 *Reviewed BY / Date:* [illegible] 1/9/03

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

**RFA / COC Number:** 185-010903-EMAX

*Location Code:* **CWM-185-MW02**

*Sample Number:* **TF3005-MS**

*Sample Name:* **CWM-185-MW02-GW-TF3005-MS**

*Sampling Method:* **SP**

*Sample Type:* **GW** *Sample Purpose:* **MS**

*Collection Date:* 1-9-03

*Collection Time:* 1025

*Start Depth:* 10' BGS

*End Depth:* 20 BGS

*Sample Matrix:* **WATER**

*Sample Team:* Allen & Flippin

**QC Partners:**

(TB) 010903-TB (ER) 011003-ER (FB) N/A

**ERPIMS Values:**

*Sacode:*

*Lot Control#:*

**Containers**

| Analytical Suite | Flt | Frtn | Qty | Size | Units | Type |
|---|---|---|---|---|---|---|
| VOLATILES_3 | N | A | 3 | 40 | mL | VOA Vial |

**Comments:** PID BACKGRN: 0.0 WELL HEAD 0.0 BREATHING ZONE: 0.0

TD - DTW = WC x .163 = PV 3x PV 5x PV

23.03 - 2.86 = 20.17 x .163 = 3.3 9.9 16.5

**Sketch Location:** Sample PH Tested less than 2

*Logged BY / Date:* [illegible] 1-9-03 *Reviewed BY / Date:* [illegible] 1/9/03

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

*Location Code:* **CWM-185-MW02**

*Sample Number:* **TF3005-MS**

***PURGE RECORD:***

| Initial | Time(24hr) | DepthtoWater (ft) | Eh (mV) | pH (SU) | Conductivity (mS/cm) | Turbidity (NTU) | DissOxygen ~~(ppm)~~ mg/L | Temperature (C) | Purge Volume (gal) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| Sample: | | | | | | | | | |

SEE Purge log for TF3005

*Logged BY / Date:* [signature] 1-9-03 *Reviewed BY / Date:* [signature] 1/9/03

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

## Project: 796887 Fort McClellan

**Manager: Jeanne Yacoub**

**RFA / COC Number:** 185-010903-EMAL

*Location Code:* **CWM-185-MW02**

*Sample Number:* **TF3005-MSD**

*Sample Name:* **CWM-185-MW02-GW-TF3005-MSD**

*Sampling Method:* **SP**

*Sample Type:* **GW** *Sample Purpose:* **MSD**

*Collection Date:* 1-9-03

*Collection Time:* 1025

*Start Depth:* 10' BGS

*End Depth:* 20' BGS

*Sample Matrix:* **WATER**

*Sample Team:* OA / LF

**QC Partners:**

(TB) 010903-TB (ER) 011003-ER (FB) N/A

**ERPIMS Values:**

*Sacode:*

*Lot Control#:*

**Containers**

| Analytical Suite | Flt | Frtn | Qty | Size | Units | Type |
|---|---|---|---|---|---|---|
| VOLATILES_3 | N | A | 3 | 40 | mL | VOA Vial |

**Comments:** PID BACKGRD 0.0 WELL HEAD: 0.0 BREATHING ZONE 0.0

TD − DTW = WC × .163 = PV 3x PV 5x PV

23.03' − 2.86' = 20.17' × .163 = 3.3 GAL 9.9 GAL 16.5 GAL

**Sketch Location:** Sample pH tested less than 2.

*Logged BY / Date:* [signature] 1-9-03 *Reviewed BY / Date:* [signature] 1/9/03

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

**Project:** 796887 Fort McClellan

**Manager:** Jeanne Yacoub

*Location Code:* **CWM-185-MW02**

*Sample Number:* **TF3005-MSD**

***PURGE RECORD:***

| Initial | Time(24hr) | DepthtoWater (ft) | Eh (mV) | pH (SU) | Conductivity (mS/cm) | Turbidity (NTU) | DissOxygen ~~(ppm)~~ mg/L | Temperature (C) | Purge Volume (gal) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| Sample: | | | | | | | | | |

See Purge Record for TF3005

*Logged BY / Date:* DOKC 1-9-03 *Reviewed BY / Date:* [illegible] 1/9/03

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

**RFA / COC Number:** 185(s)-110901-EMAX

*Location Code:* CWM-185-SW/SD02

*Sample Number:* TF1002

*Sample Name:* CWM-185-SW/SD02-SD-TF1002-REG

*Sampling Method:* HA

*Sample Type:* SD *Sample Purpose:* REG

*Collection Date:* 11-09-01

*Collection Time:* 0830

*Start Depth:* 0 ft

*End Depth:* 0.5 ft

*Sample Matrix:* SOIL

*Sample Team:* Sylvester/Anderson

**QC Partners:**

(TB) N/A (ER) 110901-ER2 (FB) N/A

**ERPIMS Values:**

*Sacode:*

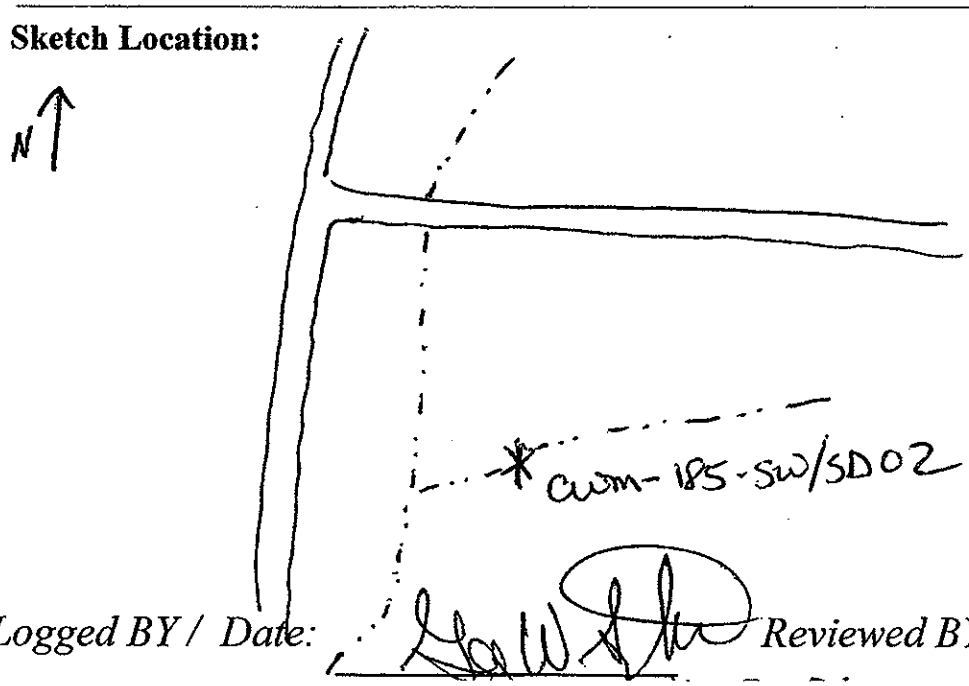
*Lot Control#:*

**Containers**

| Analytical Suite | Flt | Frtn | Qty | Size | Units | Type |
|---|---|---|---|---|---|---|
| VOLATILES | N | A | 3 | 5 | g | EnCore |
| METALS | N | B | 1 | 8 | oz | CW-JAR |
| SEMIVOLATILES | N | B | 1 | 8 | oz | CW-JAR |
| CWM BREAKDO | N | C | 1 | 8 | oz | CW-JAR |
| ORTHOSULFUR | N | C | 1 | 8 | oz | CW-JAR |
| TOC | N | D | 1 | 4 | oz | CW-JAR |
| CR SIZE | N | E | 1 | 8 | oz | CW-JAR |

**Comments:**

**Sketch Location:**




*Logged BY / Date:* [signature] *Reviewed BY / Date:* [signature] 11-9-01

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

**RFA / COC Number:** 185(S)-110901-EMAX

*Location Code:* CWM-185-SW/SD02

*Sample Number:* TF1003

*Sample Name:* CWM-185-SW/SD02-SD-TF1003-FD

*Sampling Method:* HA

*Sample Type:* SD *Sample Purpose:* FD

*Collection Date:* 11-09-01

*Collection Time:* ~~0830~~ 0830 95 11-9-01

*Start Depth:* 0ft

*End Depth:* 0.5 ft

*Sample Matrix:* SOIL

*Sample Team:* Sylvester/Anderson

**QC Partners:**

(TB) NA (ER) 110901-ER2 (FB) NA

**ERPIMS Values:**

*Sacode:*

*Lot Control#:*

**Containers**

| Analytical Suite | Flt | Frtn | Qty | Size | Units | Type |
|---|---|---|---|---|---|---|
| VOLATILES | N | A | 3 | 5 | g | EnCore |
| METALS | N | B | 1 | 8 | oz | CW-JAR |
| SEMIVOLATILES | N | B | 1 | 8 | oz | CW-JAR |
| CWM BREAKDO | N | C | 1 | 8 | oz | CW-JAR |
| ORTHOSTILFUR | N | C | 1 | 8 | oz | CW-JAR |
| TOC | N | D | 1 | 35 | 8 | oz CW-JAR |
| GR SIZE | N | E | 1 | 8 | oz | CW-JAR |

**Comments:**

**Sketch Location:**

See sample TF1002
(Same Location)

*Logged BY / Date:* [signature] *Reviewed BY / Date:* [signature] 11-9-01

INTERNATIONAL TECHNOLOGY CORPORATION



# Sample Collection Log

**Project:** 796887 **Fort McClellan**

**Manager:** Jeanne Yacoub

**RFA / COC Number:** 185(w)-110901-EMAX

*Location Code:* **CWM-185-SW/SD02**

*Sample Number:* **TF2002**

*Sample Name:* **CWM-185-SW/SD02-SW-TF2002-REG**

*Sampling Method:* **GRAB**

*Sample Type:* **SW** *Sample Purpose:* **REG**

*Collection Date:* 11-09-01

*Collection Time:* 0815

*Start Depth:* NA

*End Depth:* NA

*Sample Matrix:* **WATER**

*Sample Team:* Sylvester/Anderson

**QC Partners:**

(TB) 110901-TB (ER) NA (FB) NA

**ERPIMS Values:**

*Sacode:*

*Lot Control#:*

**Containers**

| Analytical Suite | Flt | Frtn | Qty | Size | Units | Type |
|---|---|---|---|---|---|---|
| [redacted] | | | | | | |
| [redacted] | | | | | | |

**Comments:**

**Sketch Location:**

See TF1002
(same location)

*Logged BY / Date:* 11-09-01

*Reviewed BY / Date:* 11-9-01

# ANALYSIS REQUEST/CHAIN-OF-CUSTODY RECORDS

IT CORPORATION
*A Member of The IT Group*

01J/43

# ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

A1/V501-02

Reference Document No: 184-101601-EMAX



Project Number: 796887
Project Name: Fort McClellan
Sample Coordinator: Oliver Allen
Turnaround Time: NORMAL

Samples Shipment Date: 16 OCT 2001
Lab Destination: EMAX Laboratories, Inc.
Lab Contact: Elizabeth McIntyre
Project Contact: Randy McBride
Carrier/Waybill No.: Fed Ex/

Bill To: Duane Nielsen, 312 Directors Drive, Knoxville TN 37923
Report To: Duane Nielsen, 312 Directors Drive, Knoxville TN 37923

Special Instructions: None

Possible Hazard Indentification: Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☑

Sample Disposal: Return to Client ☐ Disposal by Lab ☑ Archive (mos.)

| | | | |
|---|---|---|---|
| 1. Relinquished By (Signature/Affiliation) | D.K. Oe — Date: 10-16-01 Time: 1600 | 1. Received By (Signature/Affiliation) | SITNIKOV — Date: 10.17.01. Time: 9:30 |
| 2. Relinquished By (Signature/Affiliation) | Date: Time: | 2. Received By (Signature/Affiliation) | Date: Time: |
| 3. Relinquished By (Signature/Affiliation) | Date: Time: | 3. Received By (Signature/Affiliation) | Date: Time: |

Comments: None

T=2.0°
2.8°

| Sample No | Sample Name | Sample Date | Sample Time | Container | Ctr Qty | Preservative | Requested Testing Program | Fil | CID | Condition On Receipt |
|---|---|---|---|---|---|---|---|---|---|---|
| TL0001 | CWM-184-MW01-SS-TL0001-REG | 16 OCT 2001 | 14:08 | 5 g EnCore | 3 | None except cool to 4 C | Volatiles by 8260B | N | | |
| TL0001 | CWM-184-MW01-SS-TL0001-REG | 16 OCT 2001 | 14:08 | 8 oz CW-JAR | 1 | None except cool to 4 C | TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C | N | | |
| TL0001 | CWM-184-MW01-SS-TL0001-REG | 16 OCT 2001 | 14:08 | 8 oz CW-JAR | 1 | None except cool to 4 C | Chem. Agt. Breakdown by 8321CWM, Chem. Agt. Breakdown by 8270CWM | N | | |
| TL0002 | CWM-184-MW01-DS-TL0002-REG | 16 OCT 2001 | 14:12 | 5 g EnCore | 3 | None except cool to 4 C | Volatiles by 8260B | N | | |
| TL0002 | CWM-184-MW01-DS-TL0002-REG | 16 OCT 2001 | 14:12 | 8 oz CW-JAR | 1 | None except cool to 4 C | TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C | N | | |
| TL0002 | CWM-184-MW01-DS-TL0002-REG | 16 OCT 2001 | 14:12 | 8 oz CW-JAR | 1 | None except cool to 4 C | Chem. Agt. Breakdown by 8321CWM, Chem. Agt. Breakdown by 8270CWM | N | | |

IT CORPORATION
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# ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

01J143

Reference Document No: 184-101601-EMAX



| Sample No | Sample Name | Sample Date | Sample Time | Container | | Preservative | Requested Testing Program | Fil | CID | Condition On Receipt |
|---|---|---|---|---|---|---|---|---|---|---|
| TL0003 | CWM-184-MW02-SS-TL0003-REG | 16 OCT 2001 | 15:01 | 5 g EnCore | 3 | None except cool to 4 C | Volatiles by 8260B | N | | |
| TL0003 | CWM-184-MW02-SS-TL0003-REG | 16 OCT 2001 | 15:01 | 8 oz CW-JAR | 1 | None except cool to 4 C | Chem. Agt. Breakdown by 8321CWM, Chem. Agt. Breakdown by 8270CWM | N | | |
| TL0003 | CWM-184-MW02-SS-TL0003-REG | 16 OCT 2001 | 15:01 | 8 oz CW-JAR | 1 | None except cool to 4 C | TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C | N | | |
| TL0004 | CWM-184-MW02-DS-TL0004-REG | 16 OCT 2001 | 15:06 | 5 g EnCore | 3 | None except cool to 4 C | Volatiles by 8260B | N | | |
| TL0004 | CWM-184-MW02-DS-TL0004-REG | 16 OCT 2001 | 15:06 | 8 oz CW-JAR | 1 | None except cool to 4 C | TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C | N | | |
| TL0004 | CWM-184-MW02-DS-TL0004-REG | 16 OCT 2001 | 15:06 | 8 oz CW-JAR | 1 | None except cool to 4 C | Chem. Agt. Breakdown by 8321CWM, Chem. Agt. Breakdown by 8270CWM | N | | |
| TL0005 | CWM-184-MW03-SS-TL0005-REG | 16 OCT 2001 | 14:38 | 5 g EnCore | 3 | None except cool to 4 C | Volatiles by 8260B | N | | |
| TL0005 | CWM-184-MW03-SS-TL0005-REG | 16 OCT 2001 | 14:38 | 8 oz CW-JAR | 1 | None except cool to 4 C | TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C | N | | |
| TL0005 | CWM-184-MW03-SS-TL0005-REG | 16 OCT 2001 | 14:38 | 8 oz CW-JAR | 1 | None except cool to 4 C | Chem. Agt. Breakdown by 8321CWM, Chem. Agt. Breakdown by 8270CWM | N | | |
| TL0006 | CWM-184-MW03-DS-TL0006-REG | 16 OCT 2001 | 14:40 | 5 g EnCore | 3 | None except cool to 4 C | Volatiles by 8260B | N | | |
| TL0006 | CWM-184-MW03-DS-TL0006-REG | 16 OCT 2001 | 14:40 | 8 oz CW-JAR | 1 | None except cool to 4 C | Chem. Agt. Breakdown by 8321CWM, Chem. Agt. Breakdown by 8270CWM | N | | |
| TL0006 | CWM-184-MW03-DS-TL0006-REG | 16 OCT 2001 | 14:40 | 8 oz CW-JAR | 1 | None except cool to 4 C | TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C | N | | |
| TL0007 | CWM-184-MW04-SS-TL0007-REG | 16 OCT 2001 | 08:10 | 5 g EnCore | 3 | None except cool to 4 C | Volatiles by 8260B | N | | |
| TL0007 | CWM-184-MW04-SS-TL0007-REG | 16 OCT 2001 | 08:10 | 8 oz CW-JAR | 1 | None except cool to 4 C | TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C | N | | |
| TL0007 | CWM-184-MW04-SS-TL0007-REG | 16 OCT 2001 | 08:10 | 8 oz CW-JAR | 1 | None except cool to 4 C | Chem. Agt. Breakdown by 8321CWM, Chem. Agt. Breakdown by 8270CWM | N | | |
| TL0008 | CWM-184-MW04-DS-TL0008-REG | 16 OCT 2001 | 08:26 | 5 g EnCore | 3 | None except cool to 4 C | Volatiles by 8260B | N | | |
| TL0008 | CWM-184-MW04-DS-TL0008-REG | 16 OCT 2001 | 08:26 | 8 oz CW-JAR | 1 | None except cool to 4 C | TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C | N | | |
| TL0008 | CWM-184-MW04-DS-TL0008-REG | 16 OCT 2001 | 08:26 | 8 oz CW-JAR | 1 | None except cool to 4 C | Chem. Agt. Breakdown by 8321CWM, Chem. Agt. Breakdown by 8270CWM | N | | |
| TL0009 | CWM-184-MW05-SS-TL0009-REG | 16 OCT 2001 | 10:25 | 5 g EnCore | 3 | None except cool to 4 C | Volatiles by 8260B | N | | |
| TL0009 | CWM-184-MW05-SS-TL0009-REG | 16 OCT 2001 | 10:25 | 8 oz CW-JAR | 1 | None except cool to 4 C | TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C | N | | |
| TL0009 | CWM-184-MW05-SS-TL0009-REG | 16 OCT 2001 | 10:25 | 8 oz CW-JAR | 1 | None except cool to 4 C | Chem. Agt. Breakdown by 8321CWM, Chem. Agt. Breakdown by 8270CWM | N | | |
| TL0010 | CWM-184-MW05-DS-TL0010-REG | 16 OCT 2001 | 10:35 | 8 oz CW-JAR | 1 | None except cool to 4 C | TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C | N | | |
| TL0010 | CWM-184-MW05-DS-TL0010-REG | 16 OCT 2001 | 10:35 | 8 oz CW-JAR | 1 | None except cool to 4 C | Chem. Agt. Breakdown by 8321CWM, Chem. Agt. Breakdown by 8270CWM | N | | |
| TL0010 | CWM-184-MW05-DS-TL0010-REG | 16 OCT 2001 | 10:35 | 5 g EnCore | 3 | None except cool to 4 C | Volatiles by 8260B | N | | |

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B14/VS01-02

# ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

01K089

Reference Document No: 184-110801-EMAX



IT CORPORATION
*A Member of The IT Group*

Project Number: 796887
Project Name: Fort McClellan
Sample Coordinator: Oliver Allen
Turnaround Time: Normal

Samples Shipment Date: 08 NOV 2001
Lab Destination: EMAX Laboratories, Inc.
Lab Contact: Elizabeth McIntyre
Project Contact: Randy McBride
Carrier/Waybill No.: Fed Ex/

Bill To: Duane Nielsen, 312 Directors Drive, Knoxville TN 37923
Report To: Duane Nielsen, 312 Directors Drive, Knoxville TN 37923

Special Instructions: None

Possible Hazard Indentification: Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☑

Sample Disposal: Return to Client ☐ Disposal by Lab ☑ Archive (mos.)

| | | | |
|---|---|---|---|
| 1. Relinquished By (Signature/Affiliation) DOKaen | Date: 11-8-01 Time: 1600 | 1. Received By (Signature/Affiliation) | Date: 11-09-01 Time: 9:00A |
| 2. Relinquished By (Signature/Affiliation) | Date: Time: | 2. Received By (Signature/Affiliation) | Date: Time: |
| 3. Relinquished By (Signature/Affiliation) | Date: Time: | 3. Received By (Signature/Affiliation) | Date: Time: |

Comments: None

Cooler #1, T=2.2°C

| | Sample No | Sample Name | Sample Date | Sample Time | Container | Ctr Qty | Preservative | Requested Testing Program | Fil | CID | Condition On Receipt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | TL0011 | CWM-184-DEP01-SD-TL0011-REG | 08 NOV 2001 | 06:45 | 8 oz CW-JAR | 1 | None except cool to 4 C | TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C | N | | |
| | TL0011 | CWM-184-DEP01-SD-TL0011-REG | 08 NOV 2001 | 06:45 | 8 oz CW-JAR | 1 | None except cool to 4 C | Chem. Agt. Breakdown by 8321CWM, Chem. Agt. Breakdown by 8270CWM | N | | |
| | TL0011 | CWM-184-DEP01-SD-TL0011-REG | 08 NOV 2001 | 06:45 | 5 g EnCore | 3 | None except cool to 4 C | Volatiles by 8260B | N | | |

1001

D4(VW03-10

011072

IT CORPORATION
A Member of The IT Group

# ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 184-120501-EMAX



Project Number: 796887
Project Name: Fort McClellan
Sample Coordinator: Oliver Allen
Turnaround Time: NORMAL

Samples Shipment Date: 06 DEC 2001
Lab Destination: EMAX Laboratories, Inc.
Lab Contact: Elizabeth McIntyre
Project Contact: Randy McBride
Carrier/Waybill No.: Fed Ex/

Bill To: Duane Nielsen, 312 Directors Drive, Knoxville TN 37923
Report To: Duane Nielsen, 312 Directors Drive, Knoxville TN 37923

Special Instructions: None

Possible Hazard Indentification: Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☑

Sample Disposal: Return to Client ☐ Disposal by Lab ☑ Archive (mos.)

1. Relinquished By (Signature/Affiliation) [signature] Date: 12-06-01 Time: 1600
2. Relinquished By (Signature/Affiliation) Date: Time:
3. Relinquished By (Signature/Affiliation) Date: Time:

1. Received By (Signature/Affiliation) [signature] Date: 12-7-01 Time: 9:45
2. Received By (Signature/Affiliation) Date: Time:
3. Received By (Signature/Affiliation) Date: Time:

Comments: None

Cooler #1 - T = 2.5°
Cooler #2 - T = 2.2°
Cooler #3 - T = 3.5
Cooler #4 - T = 3.0°

| | Sample No | Sample Name | Sample Date | Sample Time | Container | Ctr Qty | Preservative | Requested Testing Program | Fil | CID | Condition On Receipt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 120501-TB | FIELDQC-BW-120501-TB-TB | 05 DEC 2001 | 08:00 | 40 ml VOA Vial | 2 | HCl<pH 2 | Volatiles by 8260B | N | | |
| 2 | 120601-TB | FIELDQC-BW-120601-TB-TB | 06 DEC 2001 | 08:00 | 40 ml VOA Vial | 2 | HCl<pH 2 | Volatiles by 8260B | N | | |
| 3 | TL | CWM-184-MW01-GW-TL3001-REG | 06 DEC 2001 | 11:30 | 40 mL VOA Vial | 3 | HCl<pH 2 | Volatiles by 8260B | N | | |
| | TL | CWM-184-MW01-GW-TL3001-REG | 06 DEC 2001 | 11:30 | 1 L HDPE | 1 | HNO3<pH 2 | TAL Metals by 6010B/7470A - Water | N | | |
| | TL | CWM-184-MW01-GW-TL3001-REG | 06 DEC 2001 | 11:30 | 1 L Amb. Glass | 1 | None except cool to 4 C | Chem. Agt. Breakdown by 8270CWM | N | | |
| | TL3001 | CWM-184-MW01-GW-TL3001-REG | 06 DEC 2001 | 11:30 | 1 L Amb. Glass | 1 | None except cool to 4 C | Chem. Agt. Breakdown by 8321CWM | N | | |
| | TL3001 | CWM-184-MW01-GW-TL3001-REG | 06 DEC 2001 | 11:30 | 1 L Amb. Glass | 2 | None except cool to 4 C | Semivolatiles by 8270C | N | | |
| 4 | TL3005 | CWM-184-MW05-GW-TL3005-REG | 05 DEC 2001 | 13:15 | 40 mL VOA Vial | 3 | HCl<pH 2 | Volatiles by 8260B | N | | |

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D4 | VW03-10

# ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

01L072

Reference Document No: 184-120501-EMAX



IT CORPORATION
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| Sample No | Sample Name | Sample Date | Sample Time | Container | | Preservative | Requested Testing Program | Fil | CID | Condition On Receipt |
|---|---|---|---|---|---|---|---|---|---|---|
| 4 TL3005 | CWM-184-MW05-GW-TL3005-REG | 05 DEC 2001 | 13:15 | 1 L Amb. Glass | 2 | None except cool to 4 C | Semivolatiles by 8270C | N | | |
| TL3005 | CWM-184-MW05-GW-TL3005-REG | 05 DEC 2001 | 13:15 | 1 L Amb. Glass | 1 | None except cool to 4 C | Chem. Agt. Breakdown by 8321CWM | N | | |
| TL3005 | CWM-184-MW05-GW-TL3005-REG | 05 DEC 2001 | 13:15 | 1 L Amb. Glass | 1 | None except cool to 4 C | Chem. Agt. Breakdown by 8270CWM | N | | |
| TL3005 | CWM-184-MW05-GW-TL3005-REG | 05 DEC 2001 | 13:15 | 1 L HDPE | 1 | HNO3<pH 2 | TAL Metals by 6010B/7470A - Water | N | | |
| TL3005-MS | CWM-184-MW05-GW-TL3005-MS-MS | 05 DEC 2001 | 13:15 | 40 mL VOA Vial | 3 | HCl<pH 2 | Volatiles by 8260B | N | | |
| TL3005-MS | CWM-184-MW05-GW-TL3005-MS-MS | 05 DEC 2001 | 13:15 | 1 L Amb. Glass | 1 | None except cool to 4 C | Chem. Agt. Breakdown by 8270CWM | N | | |
| TL3005-MS | CWM-184-MW05-GW-TL3005-MS-MS | 05 DEC 2001 | 13:15 | 1 L Amb. Glass | 1 | None except cool to 4 C | Chem. Agt. Breakdown by 8321CWM | N | | |
| TL3005-MS | CWM-184-MW05-GW-TL3005-MS-MS | 05 DEC 2001 | 13:15 | 1 L Amb. Glass | 2 | None except cool to 4 C | Semivolatiles by 8270C | N | | |
| TL3005-MS | CWM-184-MW05-GW-TL3005-MS-MS | 05 DEC 2001 | 13:15 | 1 L HDPE | 1 | HNO3<pH 2 | TAL Metals by 6010B/7470A - Water | N | | |
| TL3005-MSD | CWM-184-MW05-GW-TL3005-MSD-MSD | 05 DEC 2001 | 13:15 | 1 L Amb. Glass | 1 | None except cool to 4 C | Chem. Agt. Breakdown by 8270CWM | N | | |
| TL3005-MSD | CWM-184-MW05-GW-TL3005-MSD-MSD | 05 DEC 2001 | 13:15 | 40 mL VOA Vial | 3 | HCl<pH 2 | Volatiles by 8260B | N | | |
| TL3005-MSD | CWM-184-MW05-GW-TL3005-MSD-MSD | 05 DEC 2001 | 13:15 | 1 L Amb. Glass | 2 | None except cool to 4 C | Semivolatiles by 8270C | N | | |
| TL3005-MSD | CWM-184-MW05-GW-TL3005-MSD-MSD | 05 DEC 2001 | 13:15 | 1 L HDPE | 1 | HNO3<pH 2 | TAL Metals by 6010B/7470A - Water | N | | |
| TL3005-MSD | CWM-184-MW05-GW-TL3005-MSD-MSD | 05 DEC 2001 | 13:15 | 1 L Amb. Glass | 1 | None except cool to 4 C | Chem. Agt. Breakdown by 8321CWM | N | | |

1003

B4 / VW04-02 01L100

IT CORPORATION
*A Member of The IT Group*

# ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 184-121101-EMAX



Project Number: 796887
Project Name: Fort McClellan
Sample Coordinator: Oliver Allen
Turnaround Time: Normal

Samples Shipment Date: 11 DEC 2001
Lab Destination: EMAX Laboratories, Inc.
Lab Contact: Elizabeth McIntyre
Project Contact: Randy McBride
Carrier/Waybill No.: Fed Ex/

Bill To: Duane Nielsen
312 Directors Drive
Knoxville TN 37923

Report To: Duane Nielsen
312 Directors Drive
Knoxville TN 37923

Special Instructions: None

Possible Hazard Indentification:
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☒

Sample Disposal:
Return to Client ☐ Disposal by Lab ☒ Archive (mos.)

| | | | |
|---|---|---|---|
| 1. Relinquished By (Signature/Affiliation) | Date: 12/11/01 Time: 1430 | 1. Received By (Signature/Affiliation) | Date: 12-12-01 Time: 9:30A |
| 2. Relinquished By (Signature/Affiliation) | Date: Time: | 2. Received By (Signature/Affiliation) | Date: Time: |
| 3. Relinquished By (Signature/Affiliation) | Date: Time: | 3. Received By (Signature/Affiliation) | Date: Time: |

IT Corp.

Comments: None

Cooler #1 T = 2.5°C
Cooler #3 T = 2.2°C

| | Sample No | Sample Name | Sample Date | Sample Time | Container | Ctr Qty | Preservative | Requested Testing Program | Fil | CID | Condition On Receipt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 120701-ER | FIELDQC-BW-120701-ER-ER | 07 DEC 2001 | 12:00 | 40 ml VOA Vial | 3 | HCl<pH 2 | Volatiles by 8260B | N | | |
| | 120701-ER | FIELDQC-BW-120701-ER-ER | 07 DEC 2001 | 12:00 | 1 L Amb. Glass | 2 | None except cool to 4 C | Semivolatiles by 8270C | N | | |
| | 120701-ER | FIELDQC-BW-120701-ER-ER | 07 DEC 2001 | 12:00 | 1 L HDPE | 1 | HNO3<pH 2 | TAL Metals by 6010B/7470A - Water | N | | |
| 2 | 120701-TB | FIELDQC-BW-120701-TB-TB | 07 DEC 2001 | 08:00 | 40 ml VOA Vial | 2 | HCl<pH 2 | Volatiles by 8260B | N | | |
| 3 | 121101-TB | FIELDQC-BW-121101-TB-TB | 11 DEC 2001 | 08:00 | 40 ml VOA Vial | 2 | HCl<pH 2 | Volatiles by 8260B | N | | |
| 4 | TL3002 | CWM-184-MW02-GW-TL3002-REG | 07 DEC 2001 | 08:40 | 40 mL VOA Vial | 3 | HCl<pH 2 | Volatiles by 8260B | N | | |
| | TL3002 | CWM-184-MW02-GW-TL3002-REG | 07 DEC 2001 | 08:40 | 1 L HDPE | 1 | HNO3<pH 2 | TAL Metals by 6010B/7470A - Water | N | | |
| | TL3002 | CWM-184-MW02-GW-TL3002-REG | 07 DEC 2001 | 08:40 | 1 L Amb. Glass | 1 | None except cool to 4 C | Chem. Agt. Breakdown by 8270CWM | N | | |

IT CORPORATION
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B4/ VW04-02 01L100

# ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 184-121101-EMAX



| Sample No | Sample Name | Sample Date | Sample Time | Container | | Preservative | Requested Testing Program | Fil | CID | Condition On Receipt |
|---|---|---|---|---|---|---|---|---|---|---|
| 4 TL3002 | CWM-184-MW02-GW-TL3002-REG | 07 DEC 2001 | 08:40 | 1 L Amb. Glass | 1 | None except cool to 4 C | Chem. Agt. Breakdown by 8321CWM | N | | |
| TL3002 | CWM-184-MW02-GW-TL3002-REG | 07 DEC 2001 | 08:40 | 1 L Amb. Glass | 2 | None except cool to 4 C | Semivolatiles by 8270C | N | | |
| 5 TL3003 | CWM-184-MW03-GW-TL3003-REG | 11 DEC 2001 | 07:40 | 1 L Amb. Glass | 2 | None except cool to 4 C | Semivolatiles by 8270C | N | | |
| TL3003 | CWM-184-MW03-GW-TL3003-REG | 11 DEC 2001 | 07:40 | 1 L HDPE | 1 | HNO3<pH 2 | TAL Metals by 6010B/7470A - Water | N | | |
| TL3003 | CWM-184-MW03-GW-TL3003-REG | 11 DEC 2001 | 07:40 | 40 mL VOA Vial | 3 | HCl<pH 2 | Volatiles by 8260B | N | | |
| TL3003 | CWM-184-MW03-GW-TL3003-REG | 11 DEC 2001 | 07:40 | 1 L Amb. Glass | 1 | None except cool to 4 C | Chem. Agt. Breakdown by 8321CWM | N | | |
| TL3003 | CWM-184-MW03-GW-TL3003-REG | 11 DEC 2001 | 07:40 | 1 L Amb. Glass | 1 | None except cool to 4 C | Chem. Agt. Breakdown by 8270CWM | N | | |

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IT CORPORATION
A Member of The IT Group

# ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 184-121401-EMAX



01L139 I21/VW01-22

Project Number: 796887
Project Name: Fort McClellan
Sample Coordinator: Oliver Allen
Turnaround Time: NORMAL

Samples Shipment Date: 14 DEC 2001
Lab Destination: EMAX Laboratories, Inc.
Lab Contact: Elizabeth McIntyre
Project Contact: Randy McBride
Carrier/Waybill No.: Fed Ex/

Bill To: Duane Nielsen, 312 Directors Drive, Knoxville TN 37923

Report To: Duane Nielsen, 312 Directors Drive, Knoxville TN 37923

Special Instructions: None

Possible Hazard Indentification: Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☑

Sample Disposal: Return to Client ☐ Disposal by Lab ☑ Archive (mos.)

1. Relinquished By (Signature/Affiliation) [signature] IT Corp — Date: 12-14-01 Time: 1600
2. Relinquished By (Signature/Affiliation) — Date: Time:
3. Relinquished By (Signature/Affiliation) — Date: Time:

1. Received By (Signature/Affiliation) [signature] EMAX — Date: 12·15·2001 Time: 11:00
2. Received By (Signature/Affiliation) — Date: Time:
3. Received By (Signature/Affiliation) — Date: Time:

Comments: None

Cooler 1 T=2.8°C
Cooler 2 T=2.6°C

| Sample No | Sample Name | Sample Date | Sample Time | Container | Ctr Qty | Preservative | Requested Testing Program | Fil | CID | Condition On Receipt |
|---|---|---|---|---|---|---|---|---|---|---|
| TL3004 | CWM-184-MW04-GW-TL3004-REG | 13 DEC 2001 | 10:30 | 40 mL VOA Vial | 3 | HCl<pH 2 | Volatiles by 8260B | N | | |
| TL3004 | CWM-184-MW04-GW-TL3004-REG | 13 DEC 2001 | 10:30 | 1 L Amb. Glass | 2 | None except cool to 4 C | Semivolatiles by 8270C | N | | |
| TL3004 | CWM-184-MW04-GW-TL3004-REG | 13 DEC 2001 | 10:30 | 1 L HDPE | 1 | HNO3<pH 2 | TAL Metals by 6010B/7470A - Water | N | | |
| TL3004 | CWM-184-MW04-GW-TL3004-REG | 13 DEC 2001 | 10:30 | 1 L Amb. Glass | 1 | None except cool to 4 C | Chem. Agt. Breakdown by 8321CWM | N | | |
| TL3004 | CWM-184-MW04-GW-TL3004-REG | 13 DEC 2001 | 10:30 | 1 L Amb. Glass | 1 | None except cool to 4 C | Chem. Agt. Breakdown by 8270CWM | N | | |

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VW01-02 03A031

IT CORPORATION
*A Member of The IT Group*

# ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 184-010803-EMAX



Project Number: 773019
Samples Shipment Date: 08 JAN 2003
Bill To: Duane Nielsen, 312 Directors Drive, Knoxville TN 37923

Project Name: Fort McClellan, SAD TERC
Lab Destination: EMAX Laboratories, Inc.

Sample Coordinator: Oliver Allen
Lab Contact: Elizabeth McIntyre

Turnaround Time: Normal
Project Contact: Tim Roth
Report To:

Carrier/Waybill No.: UPS/
Anniston AL

Special Instructions: None

Possible Hazard Indentification:
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☒

Sample Disposal:
Return to Client ☐ Disposal by Lab ☒ Archive (mos.)

| | | | |
|---|---|---|---|
| 1. Relinquished By (Signature/Affiliation) | IT Corp. | Date: 1/8/03 Time: 1700 | 1. Received By (Signature/Affiliation) | Date: 01-09-03 Time: 9:30A |
| 2. Relinquished By (Signature/Affiliation) | | Date: Time: | 2. Received By (Signature/Affiliation) | Date: Time: |
| 3. Relinquished By (Signature/Affiliation) | | Date: Time: | 3. Received By (Signature/Affiliation) | Date: Time: |

Comments: None

Cooler #1 T=2.5°C

| | Sample No | Sample Name | Sample Date | Sample Time | Container | Ctr Qty | Preservative | Requested Testing Program | Fil | CID | Condition On Receipt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 010803-TB | FIELDQC-BW-010803-TB-TB | 08 JAN 2003 | 08:00 | 40 ml VOA Vial | 2 | HCl<pH 2 | Volatiles by 8260B | N | | |
| 2 | TL3006 | CWM-184-MW01-GW-TL3006-REG | 08 JAN 2003 | 10:15 | 40 mL VOA Vial | 3 | HCl<pH 2 | Volatiles by 8260B | N | | |
| 3 | TL3008 | CWM-184-MW03-GW-TL3008-REG | 08 JAN 2003 | 13:25 | 40 mL VOA Vial | 3 | HCl<pH 2 | Volatiles by 8260B | N | | |

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IT CORPORATION
A Member of The IT Group

VW01-36

# ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

03A060

Reference Document No: 184-011303-EMAX



Project Number: 773019
Samples Shipment Date: 13 JAN 2003
Project Name: Fort McClellan, SAD TERC
Lab Destination: EMAX Laboratories, Inc.
Sample Coordinator: Oliver Allen
Lab Contact: Elizabeth McIntyre
Turnaround Time: Normal
Project Contact: Tim Roth
Carrier/Waybill No.: UPS/

Bill To: Duane Nielsen
312 Directors Drive
Knoxville TN 37923

Report To:
Anniston AL

Special Instructions: None

Possible Hazard Indentification:
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☒

Sample Disposal:
Return to Client ☐ Disposal by Lab ☒ Archive (mos.)

| | | | |
|---|---|---|---|
| 1. Relinquished By (Signature/Affiliation) [signature] IT Corp. | Date: 1/13/03 Time: 1600 | 1. Received By (Signature/Affiliation) [signature] | Date: 1-14-03 Time: 0930 |
| 2. Relinquished By (Signature/Affiliation) | Date: Time: | 2. Received By (Signature/Affiliation) | Date: Time: |
| 3. Relinquished By (Signature/Affiliation) | Date: Time: | 3. Received By (Signature/Affiliation) | Date: Time: |

Comments: None

T = 3.4°C

| Sample No | Sample Name | Sample Date | Sample Time | Container | Ctr Qty | Preservative | Requested Testing Program | Fil | CID | Condition On Receipt |
|---|---|---|---|---|---|---|---|---|---|---|
| 011003-TB | FIELDQC-BW-011003-TB-TB | 10 JAN 2003 | 08:00 | 40 ml VOA Vial | 2 | HCl<pH 2 | Volatiles by 8260B | N | | |
| TL3007 | CWM-184-MW02-GW-TL3007-REG | 10 JAN 2003 | 12:45 | 40 mL VOA Vial | 3 | HCl<pH 2 | Volatiles by 8260B | N | | |
| TL3010 | CWM-184-MW05-GW-TL3010-REG | 10 JAN 2003 | 10:10 | 40 mL VOA Vial | 3 | HCl<pH 2 | Volatiles by 8260B | N | | |
| TL3011 | CWM-184-MW05-GW-TL3011-FD | 10 JAN 2003 | 10:10 | 40 mL VOA Vial | 3 | HCl<pH 2 | Volatiles by 8260B | N | | |

-294-

1001

IT CORPORATION
A Member of The IT Group

SDG #03A060 VW0405 03A073

# ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 184-011403-EMAX



Project Number: 773019
Samples Shipment Date: 14 JAN 2003
Bill To: Duane Nielsen
312 Directors Drive
Knoxville TN 37923

Project Name: Fort McClellan, SAD TERC
Lab Destination: EMAX Laboratories, Inc.

Sample Coordinator: Oliver Allen
Lab Contact: Elizabeth McIntyre

Turnaround Time: Normal
Project Contact: Tim Roth
Report To:

Carrier/Waybill No.: UPS/
Anniston AL

Special Instructions: None

Possible Hazard Indentification:
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☒

Sample Disposal:
Return to Client ☐ Disposal by Lab ☒ Archive (mos.)

| | | | |
|---|---|---|---|
| 1. Relinquished By (Signature/Affiliation) IT Corp | Date: 1/14/03 Time: 1700 | 1. Received By (Signature/Affiliation) | Date: 01-15-03 Time: 10:00AM |
| 2. Relinquished By (Signature/Affiliation) | Date: Time: | 2. Received By (Signature/Affiliation) | Date: Time: |
| 3. Relinquished By (Signature/Affiliation) | Date: Time: | 3. Received By (Signature/Affiliation) | Date: Time: |

Comments: None

T=2.2°C

| | Sample No | Sample Name | Sample Date | Sample Time | Container | Ctr Qty | Preservative | Requested Testing Program | Fil | CID | Condition On Receipt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 011403-TB | FIELDQC-BW-011403-TB-TB | 14 JAN 2003 | 08:00 | 40 ml VOA Vial | 2 | HCl<pH 2 | Volatiles by 8260B | N | | |
| 2 | TL3009 | CWM-184-MW04-GW-TL3009-REG | 14 JAN 2003 | 14:00 | 40 mL VOA Vial | 3 | HCl<pH 2 | Volatiles by 8260B | N | | |

1002

IT CORPORATION
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# ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

V501-02 /A1

01J142

Reference Document No: 185-101601-EMAX



Project Number: 796887
Project Name: Fort McClellan
Sample Coordinator: Oliver Allen
Turnaround Time: Normal

Samples Shipment Date: 16 OCT 2001
Lab Destination: EMAX Laboratories, Inc.
Lab Contact: Elizabeth McIntyre
Project Contact: Randy McBride
Carrier/Waybill No.: Fed Ex/

Bill To: Duane Nielsen, 312 Directors Drive, Knoxville TN 37923
Report To: Duane Nielsen, 312 Directors Drive, Knoxville TN 37923

Special Instructions: None

Possible Hazard Indentification: Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☑

Sample Disposal: Return to Client ☐ Disposal by Lab ☑ Archive (mos.)

| | | | |
|---|---|---|---|
| 1. Relinquished By (Signature/Affiliation) DOKae | Date: 10-16-01 Time: 1600 | 1. Received By (Signature/Affiliation) Sitrinov | Date: 10.17.01. Time: 9:30 |
| 2. Relinquished By (Signature/Affiliation) | Date: Time: | 2. Received By (Signature/Affiliation) | Date: Time: |
| 3. Relinquished By (Signature/Affiliation) | Date: Time: | 3. Received By (Signature/Affiliation) | Date: Time: |

Comments: None

T= 2.0° 2.8°

| | Sample No | Sample Name | Sample Date | Sample Time | Container | Ctr Qty | Preservative | Requested Testing Program | Fil | CID | Condition On Receipt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | TF0001 | CWM-185-MW01-SS-TF0001-REG | 16 OCT 2001 | 08:53 | 5 g EnCore | 3 | None except cool to 4 C | Volatiles by 8260B | N | | |
| | TF0001 | CWM-185-MW01-SS-TF0001-REG | 16 OCT 2001 | 08:53 | 8 oz CW-JAR | 1 | None except cool to 4 C | TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C | N | | |
| | TF0001 | CWM-185-MW01-SS-TF0001-REG | 16 OCT 2001 | 08:53 | 8 oz CW-JAR | 1 | None except cool to 4 C | Chem. Agt. Breakdown by 8321CWM, Chem. Agt. Breakdown by 8270CWM | N | | |
| 2 | TF0002 | CWM-185-MW01-DS-TF0002-REG | 16 OCT 2001 | 09:05 | 5 g EnCore | 3 | None except cool to 4 C | Volatiles by 8260B | N | | |
| | TF0002 | CWM-185-MW01-DS-TF0002-REG | 16 OCT 2001 | 09:05 | 8 oz CW-JAR | 1 | None except cool to 4 C | Chem. Agt. Breakdown by 8321CWM, Chem. Agt. Breakdown by 8270CWM | N | | |
| | TF0002 | CWM-185-MW01-DS-TF0002-REG | 16 OCT 2001 | 09:05 | 8 oz CW-JAR | 1 | None except cool to 4 C | TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C | N | | |

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# ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

01J142

Reference Document No: 185-101601-EMAX



| | Sample No | Sample Name | Sample Date | Sample Time | Container | | Preservative | Requested Testing Program | Fil | CID | Condition On Receipt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | TF0002-MS | CWM-185-MW01-DS-TF0002-MS-MS | 16 OCT 2001 | 09:05 | 5 g EnCore | 3 | None except cool to 4 C | Volatiles by 8260B | N | | |
| | TF0002-MS | CWM-185-MW01-DS-TF0002-MS-MS | 16 OCT 2001 | 09:05 | 8 oz CW-JAR | 1 | None except cool to 4 C | TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C | N | | |
| | TF0002-MS | CWM-185-MW01-DS-TF0002-MS-MS | 16 OCT 2001 | 09:05 | 8 oz CW-JAR | 1 | None except cool to 4 C | Chem. Agt. Breakdown by 8321CWM, Chem. Agt. Breakdown by 8270CWM | N | | |
| | TF0002-MSD | CWM-185-MW01-DS-TF0002-MSD-MSD | 16 OCT 2001 | 09:05 | 5 g EnCore | 3 | None except cool to 4 C | Volatiles by 8260B | N | | |
| | TF0002-MSD | CWM-185-MW01-DS-TF0002-MSD-MSD | 16 OCT 2001 | 09:05 | 8 oz CW-JAR | 1 | None except cool to 4 C | TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C | N | | |
| | TF0002-MSD | CWM-185-MW01-DS-TF0002-MSD-MSD | 16 OCT 2001 | 09:05 | 8 oz CW-JAR | 1 | None except cool to 4 C | Chem. Agt. Breakdown by 8321CWM, Chem. Agt. Breakdown by 8270CWM | N | | |
| 3 | TF0003 | CWM-185-MW02-SS-TF0003-REG | 16 OCT 2001 | 09:45 | 5 g EnCore | 3 | None except cool to 4 C | Volatiles by 8260B | N | | |
| | TF0003 | CWM-185-MW02-SS-TF0003-REG | 16 OCT 2001 | 09:45 | 8 oz CW-JAR | 1 | None except cool to 4 C | Chem. Agt. Breakdown by 8321CWM, Chem. Agt. Breakdown by 8270CWM | N | | |
| | TF0003 | CWM-185-MW02-SS-TF0003-REG | 16 OCT 2001 | 09:45 | 8 oz CW-JAR | 1 | None except cool to 4 C | TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C | N | | |
| 4 | TF0004 | CWM-185-MW02-DS-TF0004-REG | 16 OCT 2001 | 13:02 | 5 g EnCore | 3 | None except cool to 4 C | Volatiles by 8260B | N | | |
| | TF0004 | CWM-185-MW02-DS-TF0004-REG | 16 OCT 2001 | 13:02 | 8 oz CW-JAR | 1 | None except cool to 4 C | TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C | N | | |
| | TF0004 | CWM-185-MW02-DS-TF0004-REG | 16 OCT 2001 | 13:02 | 8 oz CW-JAR | 1 | None except cool to 4 C | Chem. Agt. Breakdown by 8321CWM, Chem. Agt. Breakdown by 8270CWM | N | | |
| 5 | TF0005 | CWM-185-MW02-DS-TF0005-FD | 16 OCT 2001 | 13:02 | 8 oz CW-JAR | 1 | None except cool to 4 C | TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C | N | | |
| | TF0005 | CWM-185-MW02-DS-TF0005-FD | 16 OCT 2001 | 13:02 | 8 oz CW-JAR | 1 | None except cool to 4 C | Chem. Agt. Breakdown by 8321CWM, Chem. Agt. Breakdown by 8270CWM | N | | |
| | TF0005 | CWM-185-MW02-DS-TF0005-FD | 16 OCT 2001 | 13:02 | 5 g EnCore | 3 | None except cool to 4 C | Volatiles by 8260B | N | | |
| 6 | TF0007 | CWM-185-GP01-SS-TF0007-REG | 16 OCT 2001 | 13:30 | 5 g EnCore | 3 | None except cool to 4 C | Volatiles by 8260B | N | | |
| | TF0007 | CWM-185-GP01-SS-TF0007-REG | 16 OCT 2001 | 13:30 | 8 oz CW-JAR | 1 | None except cool to 4 C | TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C | N | | |
| | TF0007 | CWM-185-GP01-SS-TF0007-REG | 16 OCT 2001 | 13:30 | 8 oz CW-JAR | 1 | None except cool to 4 C | Chem. Agt. Breakdown by 8321CWM, Chem. Agt. Breakdown by 8270CWM | N | | |
| 7 | TF0008 | CWM-185-GP01-DS-TF0008-REG | 16 OCT 2001 | 13:38 | 5 g EnCore | 3 | None except cool to 4 C | Volatiles by 8260B | N | | |
| | TF0008 | CWM-185-GP01-DS-TF0008-REG | 16 OCT 2001 | 13:38 | 8 oz CW-JAR | 1 | None except cool to 4 C | TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C | N | | |
| | TF0008 | CWM-185-GP01-DS-TF0008-REG | 16 OCT 2001 | 13:38 | 8 oz CW-JAR | 1 | None except cool to 4 C | Chem. Agt. Breakdown by 8321CWM, Chem. Agt. Breakdown by 8270CWM | N | | |

1003

B10 | VS01-02 01K071

IT CORPORATION
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# ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 185-110701-EMAX



Project Number: 796887
Project Name: Fort McClellan
Sample Coordinator: Oliver Allen
Turnaround Time: NORMAL

Samples Shipment Date: 07 NOV 2001
Lab Destination: EMAX Laboratories, Inc.
Lab Contact: Elizabeth McIntyre
Project Contact: Randy McBride
Carrier/Waybill No.: Fed Ex/

Bill To: Duane Nielsen, 312 Directors Drive, Knoxville TN 37923
Report To: Duane Nielsen, 312 Directors Drive, Knoxville TN 37923

Special Instructions: None

Possible Hazard Indentification: Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☑

Sample Disposal: Return to Client ☐ Disposal by Lab ☑ Archive (mos.)

| | | | |
|---|---|---|---|
| 1. Relinquished By (Signature/Affiliation) | Date: 11-7-01 Time: 1600 | 1. Received By (Signature/Affiliation) | Date: 11-08-01 Time: 9:30 |
| 2. Relinquished By (Signature/Affiliation) | Date: Time: | 2. Received By (Signature/Affiliation) | Date: Time: |
| 3. Relinquished By (Signature/Affiliation) | Date: Time: | 3. Received By (Signature/Affiliation) | Date: Time: |

Comments: None

Cooler #1, T = 3.8 C

| | Sample No | Sample Name | Sample Date | Sample Time | Container | Ctr Qty | Preservative | Requested Testing Program | Fil | CID | Condition On Receipt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | TF0009 | CWM-185-DEP01-DEP-TF0009-REG | 07 NOV 2001 | 14:30 | 8 oz CW-JAR | 1 | None except cool to 4 C | TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C | N | | |
| | TF0009 | CWM-185-DEP01-DEP-TF0009-REG | 07 NOV 2001 | 14:30 | 8 oz CW-JAR | 1 | None except cool to 4 C | Chem. Agt. Breakdown by 8321CWM, Chem. Agt. Breakdown by 8270CWM | N | | |
| | TF0009 | CWM-185-DEP01-DEP-TF0009-REG | 07 NOV 2001 | 14:30 | 5 g EnCore | 3 | None except cool to 4 C | Volatiles by 8260B | N | | |
| 2 | TF0010 | CWM-185-DEP02-DEP-TF0010-REG | 07 NOV 2001 | 14:20 | 5 g EnCore | 3 | None except cool to 4 C | Volatiles by 8260B | N | | |
| | TF0010 | CWM-185-DEP02-DEP-TF0010-REG | 07 NOV 2001 | 14:20 | 8 oz CW-JAR | 1 | None except cool to 4 C | TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C | N | | |
| | TF0010 | CWM-185-DEP02-DEP-TF0010-REG | 07 NOV 2001 | 14:20 | 8 oz CW-JAR | 1 | None except cool to 4 C | Chem. Agt. Breakdown by 8321CWM, Chem. Agt. Breakdown by 8270CWM | N | | |

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01K113 I3/VW01-01C

# ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 185(w)-110901-EMAX



Project Number: 796887
Project Name: Fort McClellan
Sample Coordinator: Oliver Allen
Turnaround Time: Normal

Samples Shipment Date: 09 NOV 2001
Lab Destination: EMAX Laboratories, Inc.
Lab Contact: Elizabeth McIntyre
Project Contact: Randy McBride
Carrier/Waybill No.: Fed Ex/

Bill To: Duane Nielsen, 312 Directors Drive, Knoxville TN 37923
Report To: Duane Nielsen, 312 Directors Drive, Knoxville TN 37923

Special Instructions: None

Possible Hazard Indentification: Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☑

Sample Disposal: Return to Client ☐ Disposal by Lab ☑ Archive (mos.)

| | | | |
|---|---|---|---|
| 1. Relinquished By (Signature/Affiliation) DL K Cee | Date: 11-9-01 Time: 1600 | 1. Received By (Signature/Affiliation) | Date: 11/10/01 Time: 1000 |
| 2. Relinquished By (Signature/Affiliation) | Date: Time: | 2. Received By (Signature/Affiliation) | Date: Time: |
| 3. Relinquished By (Signature/Affiliation) | Date: Time: | 3. Received By (Signature/Affiliation) | Date: Time: |

Comments: None

COOLER #1 T = 3.5°C
#4 = 3.8°C

| Sample No | Sample Name | Sample Date | Sample Time | Container | Ctr Qty | Preservative | Requested Testing Program | Fil | CID | Condition On Receipt |
|---|---|---|---|---|---|---|---|---|---|---|
| TF2002 | CWM-185-SW/SD02-SW-TF2002-REG | 09 NOV 2001 | 08:15 | 40 mL VOA Vial | 3 | HCl<pH 2 | Volatiles by 8260B | N | | |
| TF2002 | CWM-185-SW/SD02-SW-TF2002-REG | 09 NOV 2001 | 08:15 | 1 L Amb. Glass | 2 | None except cool to 4 C | Semivolatiles by 8270C | N | | |
| TF2002 | CWM-185-SW/SD02-SW-TF2002-REG | 09 NOV 2001 | 08:15 | 1 L HDPE | 1 | HNO3<pH 2 | TAL Metals by 6010B/7470A - Water | N | | |
| TF2002 | CWM-185-SW/SD02-SW-TF2002-REG | 09 NOV 2001 | 08:15 | 1 L Amb. Glass | 1 | None except cool to 4 C | Chem. Agt. Breakdown by 8321CWM | N | | |
| TF2002 | CWM-185-SW/SD02-SW-TF2002-REG | 09 NOV 2001 | 08:15 | 1 L Amb. Glass | 1 | None except cool to 4 C | Chem. Agt. Breakdown by 8270CWM | N | | |

1601

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# ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

01K115 I14/VS01-02

Reference Document No: 185(s)-110901-EMAX



Project Number: 796887
Project Name: Fort McClellan
Sample Coordinator: Oliver Allen
Turnaround Time: Normal

Samples Shipment Date: 09 NOV 2001
Lab Destination: EMAX Laboratories, Inc.
Lab Contact: Elizabeth McIntyre
Project Contact: Randy McBride
Carrier/Waybill No.: Fed Ex/

Bill To: Duane Nielsen, 312 Directors Drive, Knoxville TN 37923
Report To: Duane Nielsen, 312 Directors Drive, Knoxville TN 37923

Special Instructions: None

Possible Hazard Indentification: Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☑

Sample Disposal: Return to Client ☐ Disposal by Lab ☑ Archive (mos.)

| | | | |
|---|---|---|---|
| 1. Relinquished By (Signature/Affiliation) | Date: 11-9-01 Time: 1600 | 1. Received By (Signature/Affiliation) | Date: 11/10/01 Time: 1000 |
| 2. Relinquished By (Signature/Affiliation) | Date: Time: | 2. Received By (Signature/Affiliation) | Date: Time: |
| 3. Relinquished By (Signature/Affiliation) | Date: Time: | 3. Received By (Signature/Affiliation) | Date: Time: |

Comments: None

COOLER #1 T = 3.5 °C

1001

| | Sample No | Sample Name | Sample Date | Sample Time | Container | Ctr Qty | Preservative | Requested Testing Program | Fil | CID | Condition On Receipt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | TF1002 | CWM-185-SW/SD02-SD-TF1002-REG | 09 NOV 2001 | 08:30 | 8 oz CW-JAR | 1 | None except cool to 4 C | TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C | N | | |
| | TF1002 | CWM-185-SW/SD02-SD-TF1002-REG | 09 NOV 2001 | 08:30 | 8 oz CW-JAR | 1 | None except cool to 4 C | Chem. Agt. Breakdown by 8321CWM, Chem. Agt. Breakdown by 8270CWM | N | | |
| 1 | TF1002 | CWM-185-SW/SD02-SD-TF1002-REG | 09 NOV 2001 | 08:30 | 4 oz CW-JAR | 1 | None except cool to 4 C | Total Organic Carbon by 9060 | N | | |
| | TF1002 | CWM-185-SW/SD02-SD-TF1002-REG | 09 NOV 2001 | 08:30 | 5 g EnCore | 3 | None except cool to 4 C | Volatiles by 8260B | N | | |
| 2 | TF1003 | CWM-185-SW/SD02-SD-TF1003-FD | 09 NOV 2001 | 08:30 | 5 g EnCore | 3 | None except cool to 4 C | Volatiles by 8260B | N | | |
| | TF1003 | CWM-185-SW/SD02-SD-TF1003-FD | 09 NOV 2001 | 08:30 | 8 oz CW-JAR | 1 | None except cool to 4 C | TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C | N | | |

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# ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

01K115

Reference Document No: 185(s)-110901-EMAX



| Sample No | Sample Name | Sample Date | Sample Time | Container | | Preservative | Requested Testing Program | Fil | CID | Condition On Receipt |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 TF1003 | CWM-185-SW/SD02-SD-TF1003-FD | 09 NOV 2001 | 08:30 | 8 oz CW-JAR | 1 | None except cool to 4 C | Chem. Agt. Breakdown by 8321CWM, Chem. Agt. Breakdown by 8270CWM | N | | |
| TF1003 | CWM-185-SW/SD02-SD-TF1003-FD | 09 NOV 2001 | 08:30 | 4 oz CW-JAR | 1 | None except cool to 4 C | Total Organic Carbon by 9060 | N | | |

1002

IT CORPORATION
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H1/ VW01-16 01L053

# ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 185-120401-EMAX



Project Number: 796887
Project Name: Fort McClellan
Sample Coordinator: Oliver Allen
Turnaround Time: NORMAL

Samples Shipment Date: 05 DEC 2001
Lab Destination: EMAX Laboratories, Inc.
Lab Contact: Elizabeth McIntyre
Project Contact: Randy McBride
Carrier/Waybill No.: Fed Ex/

Bill To: Duane Nielsen, 312 Directors Drive, Knoxville TN 37923
Report To: Duane Nielsen, 312 Directors Drive, Knoxville TN 37923

Special Instructions: None

Possible Hazard Indentification: Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☑

Sample Disposal: Return to Client ☐ Disposal by Lab ☑ Archive (mos.)

1. Relinquished By (Signature/Affiliation) [signature] Date: 12-05-01 Time: 1600
2. Relinquished By (Signature/Affiliation) Date: Time:
3. Relinquished By (Signature/Affiliation) Date: Time:

1. Received By (Signature/Affiliation) [signature] Date: 12-6-01 Time: 9:30
2. Received By (Signature/Affiliation) Date: Time:
3. Received By (Signature/Affiliation) Date: Time:

Comments: None

Cooler #1, T=2.2°C
Cooler #2 - T=2.5°C

| | Sample No | Sample Name | Sample Date | Sample Time | Container | Ctr Qty | Preservative | Requested Testing Program | Fil | CID | Condition On Receipt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 120401-TB2 | FIELDQC-BW-120401-TB2-TB | 04 DEC 2001 | 08:00 | 40 ml VOA Vial | 2 | HCl<pH 2 | Volatiles by 8260B | N | | |
| 2 | TF3001 | CWM-185-MW01-GW-TF3001-REG | 04 DEC 2001 | 11:45 | 40 mL VOA Vial | 3 | HCl<pH 2 | Volatiles by 8260B | N | | |
| | TF3001 | CWM-185-MW01-GW-TF3001-REG | 04 DEC 2001 | 11:45 | 1 L Amb. Glass | 2 | None except cool to 4 C | Semivolatiles by 8270C | N | | |
| | TF3001 | CWM-185-MW01-GW-TF3001-REG | 04 DEC 2001 | 11:45 | 1 L HDPE | 1 | HNO3<pH 2 | TAL Metals by 6010B/7470A - Water | N | | |
| | TF3001 | CWM-185-MW01-GW-TF3001-REG | 04 DEC 2001 | 11:45 | 1 L Amb. Glass | 1 | None except cool to 4 C | Chem. Agt. Breakdown by 8321CWM | N | | |
| | TF3001 | CWM-185-MW01-GW-TF3001-REG | 04 DEC 2001 | 11:45 | 1 L Amb. Glass | 1 | None except cool to 4 C | Chem. Agt. Breakdown by 8270CWM | N | | |
| 3 | TF3002 | CWM-185-MW02-GW-TF3002-REG | 04 DEC 2001 | 10:00 | 40 mL VOA Vial | 3 | HCl<pH 2 | Volatiles by 8260B | N | | |
| | TF3002 | CWM-185-MW02-GW-TF3002-REG | 04 DEC 2001 | 10:00 | 1 L Amb. Glass | 2 | None except cool to 4 C | Semivolatiles by 8270C | N | | |

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# ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

H1 / VW01-16 011053

Reference Document No: 185-120401-EMAX



| | Sample No | Sample Name | Sample Date | Sample Time | Container | | Preservative | Requested Testing Program | Fil | CID | Condition On Receipt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 | TF3002 | CWM-185-MW02-GW-TF3002-REG | 04 DEC 2001 | 10:00 | 1 L HDPE | 1 | HNO3<pH 2 | TAL Metals by 6010B/7470A - Water | N | | |
| | TF3002 | CWM-185-MW02-GW-TF3002-REG | 04 DEC 2001 | 10:00 | 1 L Amb. Glass | 1 | None except cool to 4 C | Chem. Agt. Breakdown by 8321CWM | N | | |
| | TF3002 | CWM-185-MW02-GW-TF3002-REG | 04 DEC 2001 | 10:00 | 1 L Amb. Glass | 1 | None except cool to 4 C | Chem. Agt. Breakdown by 8270CWM | N | | |
| 4 | TF3003 | CWM-185-MW01-GW-TF3003-FD | 04 DEC 2001 | 11:45 | 1 L Amb. Glass | 2 | None except cool to 4 C | Semivolatiles by 8270C | N | | |
| | TF3003 | CWM-185-MW01-GW-TF3003-FD | 04 DEC 2001 | 11:45 | 1 L HDPE | 1 | HNO3<pH 2 | TAL Metals by 6010B/7470A - Water | N | | |
| | TF3003 | CWM-185-MW01-GW-TF3003-FD | 04 DEC 2001 | 11:45 | 1 L Amb. Glass | 1 | None except cool to 4 C | Chem. Agt. Breakdown by 8321CWM | N | | |
| | TF3003 | CWM-185-MW01-GW-TF3003-FD | 04 DEC 2001 | 11:45 | 1 L Amb. Glass | 1 | None except cool to 4 C | Chem. Agt. Breakdown by 8270CWM | N | | |
| | TF3003 | CWM-185-MW01-GW-TF3003-FD | 04 DEC 2001 | 11:45 | 40 mL VOA Vial | 3 | HCl<pH 2 | Volatiles by 8260B | N | | |

1003

IT CORPORATION
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VW01-36 03A04+

# ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 185-010903-EMAX



Project Number: 773019
Samples Shipment Date: 09 JAN 2003
Bill To: Duane Nielsen, 312 Directors Drive, Knoxville TN 37923

Project Name: Fort McClellan, SAD TERC
Lab Destination: EMAX Laboratories, Inc.

Sample Coordinator: Oliver Allen
Lab Contact: Elizabeth McIntyre

Turnaround Time: Normal
Project Contact: Tim Roth
Report To: Anniston AL

Carrier/Waybill No.: UPS/

Special Instructions: None

**Possible Hazard Indentification:** Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☒

**Sample Disposal:** Return to Client ☐ Disposal by Lab ☒ Archive (mos.)

| | | | |
|---|---|---|---|
| 1. Relinquished By (Signature/Affiliation) IT Corp | Date: 1/9/03 Time: 1700 | 1. Received By (Signature/Affiliation) | Date: 1-10-03 Time: 10:30AM |
| 2. Relinquished By (Signature/Affiliation) | Date: Time: | 2. Received By (Signature/Affiliation) | Date: Time: |
| 3. Relinquished By (Signature/Affiliation) | Date: Time: | 3. Received By (Signature/Affiliation) | Date: Time: |

Comments: None

T = 3.2°C

| | Sample No | Sample Name | Sample Date | Sample Time | Container | Ctr Qty | Preservative | Requested Testing Program | Fil | CID | Condition On Receipt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 010903-TB | FIELDQC-BW-010903-TB-TB | 09 JAN 2003 | 08:00 | 40 ml VOA Vial | 2 | HCl<pH 2 | Volatiles by 8260B | N | | |
| 2 | TF3004 | CWM-185-MW01-GW-TF3004-REG | 09 JAN 2003 | 12:50 | 40 mL VOA Vial | 3 | HCl<pH 2 | Volatiles by 8260B | N | | |
| 3 | TF3005 | CWM-185-MW02-GW-TF3005-REG | 09 JAN 2003 | 10:25 | 40 mL VOA Vial | 3 | HCl<pH 2 | Volatiles by 8260B | N | | |
| | TF3005-MS | CWM-185-MW02-GW-TF3005-MS-MS | 09 JAN 2003 | 10:25 | 40 mL VOA Vial | 3 | HCl<pH 2 | Volatiles by 8260B | N | | |
| | TF3005-MSD | CWM-185-MW02-GW-TF3005-MSD-MSD | 09 JAN 2003 | 10:25 | 40 mL VOA Vial | 3 | HCl<pH 2 | Volatiles by 8260B | N | | |

1001