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QUALITY CONTROL SUMMARY REPORT/ ANALYTICAL RESULT REPORT FIREFIGHTER  
TRAINING AREA, LIGHTER AMPHIBIOUS RESUPPLY CARGO (LARC) 60 MAINTENANCE  
AREA, AND AUTO CRAFT AREA FORT STORY VA  
12/1/1995  
MALCOLM PIRNIE

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0403



Final

# Quality Control Summary /Analytical Results Report

Firefighter Training Area (FTSTY-04)  
LARC 60 Maintenance Area (FTSTY-06)  
Auto Craft Building Area (FTSTY-07)  
Fort Story, Virginia

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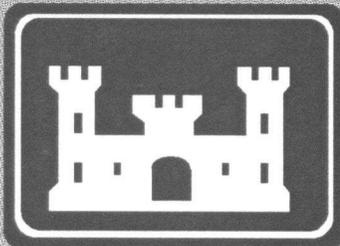
**U. S. Army Transportation Center  
Fort Eustis, Virginia**

and

**U. S. Army Corps of Engineers  
Baltimore District**

**December 1995**

0285-589



December 5, 1995

Mr. Steve Cho  
USAED - Baltimore  
10 South Howard Street  
Room 10040  
Baltimore, Maryland 21203-1715

Re: Final Quality Control Summary/  
Analytical Results Report  
Fort Story, Virginia  
Contract DACA31-94-D-0017  
Delivery Order Nos. 17, 20 and 24

Dear Mr. Cho:

Malcolm Pirnie is pleased to provide to the U.S. Army Corps of Engineers (USACE), Baltimore District this *Final Quality Control Summary/Analytical Results Report (QCS/ARR)* (3 copies) for the **Firefighter Training Area, LARC 60 Maintenance Area and Auto Craft Building Area** sites at **Fort Story, Virginia** in support of the USACE's Installation Restoration Program.

Three copies of this *QCS/ARR* have also been submitted the Virginia Department of Environmental Quality to for their review and comment.

It has been a pleasure to provide this document to the USACE. We look forward to further discussions relative to this project.

Very truly yours,

MALCOLM PIRNIE, INC.

  
Anthony K. Pace  
Senior Project Engineer

amk  
0285-589-500

Enclosures

c: Dan Musel, Fort Eustis, w/encl (3 copies)  
USACE, Missouri River Division, w/encl (1 copy)  
VDEQ, w/encl (3 copies)

APL1205.WPF

# **FINAL QUALITY CONTROL SUMMARY/ ANALYTICAL RESULTS REPORT**

**FIREFIGHTER TRAINING AREA (FTSTY-04)  
LARC 60 MAINTENANCE AREA (FTSTY-06)  
AUTO CRAFT BUILDING AREA (FTSTY-07)**

**FORT STORY, VIRGINIA**

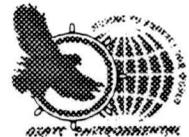
*PREPARED FOR:*



**U.S. ARMY CORPS OF ENGINEERS  
BALTIMORE DISTRICT  
BALTIMORE, MARYLAND**

and

**U.S. ARMY TRANSPORTATION CENTER  
FORT EUSTIS, VIRGINIA**



**CONTRACT DACA31-94-D-0017  
DELIVERY ORDER NO. 0017, 0020, 0024**

**DECEMBER 1995**

**MALCOLM PIRNIE, INC.  
11832 Rock Landing Drive, Suite 400  
Newport News, Virginia 23606**

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B	Chain-of-Custody Forms
C	Cooler Receipt Forms
D	URS Consultants' Data Validation Reports
E	USACE NED Lab QA Reports



## EXECUTIVE SUMMARY

Malcolm Pirnie, Inc. was contracted by the U.S. Army Corps of Engineers (USACE), Baltimore District to conduct Remedial Investigations (RI) at three sites (Firefighter Training Area, LARC 60 Maintenance Area and Auto Craft Building Area) at Fort Story, Virginia under Contract DACA31-94-D-0017.

### **Es.1 OBJECTIVES**

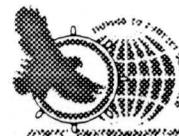
This *Quality Control Summary/Analytical Results Report (QCS/ARR)* evaluates the quality of the field investigation program and the analytical data produced from the sampling program. The objectives of the quality control (QC) review including the following:

- Review of field investigation procedures and methodologies as discussed in the *Final Field Investigation and Chemical Data Acquisition Plans*.
- Review of field data generated and other field-related QC issues.
- Review of analytical data including nonconformance, field investigation program and sampling changes, corrective actions recommended and taken, and a summary of compliance with the data quality objectives (DQOs).

### **Es.2 SUMMARY OF FIELD INVESTIGATION PROGRAM**

A summary of the field QC program and nonconformances and changes related to the field QC program are provided as follows:

- Additional DPT and monitoring well groundwater samples were collected at the FTA and LARC 60 sites which aided in the assessment of the nature and extent of groundwater contamination.
- Dissolved metals and cyanide analysis could not be conducted for the DPT groundwater samples at each site due to the high concentration of suspended soils present. However, because dissolved analysis was conducted during monitoring well sampling, minimal impacts to data quality are anticipated.



## **EXECUTIVE SUMMARY**

- No equipment rinsates were collected during monitoring well sampling at each site because disposable teflon bailers were used to collect samples. No impacts to data quality are anticipated.
- Several QA split samples were not collected and shipped to the USACE NED Laboratory due to an oversight in the field sampling program. However, no impacts to data quality are anticipated.
- Due to the presence of the shallow water table in the Sandbox area of the site, subsurface soil samples were only collected from one depth in the 18 borings advanced in this area. The surface soil (0 to 1 foot BLS) and subsurface soil (4 to 5 feet BLS) samples collected in this area adequately assess the vertical extent of contamination, and therefore, no impacts to data quality are expected.

### **Es.3 SUMMARY OF ANALYTICAL DATA**

Based on the USACE QA sampling and data validation results, the data generated for the three Fort Story sites were considered acceptable and was used with a high degree of confidence in evaluating the nature and extent of contamination and in performance of the baseline risk assessment. There were a limited number of samples that were either rejected or qualified, but overall, the data was of high quality.



## Section 1 INTRODUCTION

Malcolm Pirnie, Inc. was contracted by the U.S. Army Corps of Engineers (USACE), Baltimore District to conduct Remedial Investigations (RI) at three sites at Fort Story, Virginia under Contract DACA31-94-D-0017. The RIs were performed under Delivery Orders 17, 20 and 24 to the above referenced contract. The following sites are addressed in this report:

- Firefighter Training Area, FTSTY-04
- LARC 60 Maintenance Area, FTSTY-06
- Auto Craft Building Area, FTSTY-07

### 1.1 OBJECTIVES

The work was conducted under the requirements of the Department of Defense (DOD) Installation Restoration Program (IRP) which are consistent with the U.S. Environmental Protection Agency (EPA) guidelines. The EPA guidelines followed during the RI are set forth in "Guidance on Remedial Investigations and Feasibility Studies under CERCLA" (EPA, 1988a). All work was conducted in accordance with the Scopes of Services developed by the USACE with field investigation procedures further developed in the Final Work Plan, dated December 1994 and approved by the USACE.

This *Quality Control Summary/Analytical Results Report (QCS/ARR)* evaluates the quality of the field investigation program and the analytical data produced from the sampling program. The objective of the quality control (QC) review of the field investigation program is to evaluate the program in order to assess its effectiveness in producing data quality sufficient in evaluating site conditions and risks. This evaluation includes a review of field investigation procedures and methodologies as discussed in the *Final Field Investigation and Chemical Data Acquisition Plans*, field data generated and other field-related QC issues. The analytical data is also evaluated and summarized in this report through a review of nonconformance, field investigation program and sampling changes, corrective actions recommended and taken, and a summary of compliance with the data quality objectives (DQOs).



**Section 1**  
**INTRODUCTION**

## **1.2 SITE DESCRIPTIONS AND HISTORY**

### **1.2.1 Firefighting Training Area (FTSTY-04)**

#### ***Location and History***

The Firefighter Training Area (FTA) is located in the southwestern section of Fort Story along Hospital Road and Hospital Circle. Figure 1-1 provides a site map. A summary of its history is provided as follows:

- A temporary hospital facility was located on the site until 1960 when it's operations were relocated and the structure demolished.
- From 1960 through 1978, the area adjacent to the southern boundary along U.S. Route 60 was used as a wildlife game preserve.
- The site was cleared and used for fire training exercises in the latter part of 1978. Prior to 1980, these exercises consisted of extinguishing JP-4 aviation fuel, which was released and ignited directly to the surface soils of the site. The releases were reportedly extinguished by a mixture of firefighting foam and water.
- Additionally, during 1980 through 1986, many installation personnel reportedly used the area as an unauthorized dumping site.
- In June 1988, firefighting training activities were discontinued at this site.
- The site is currently free of any surface debris or evidence of buried debris. The northern section of the site is currently used as a heavy equipment (i.e., front end loaders, trucks) operation training area while a ramp located in the southeast corner of the site is used for equipment loading and unloading.

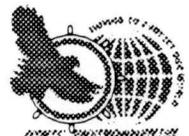
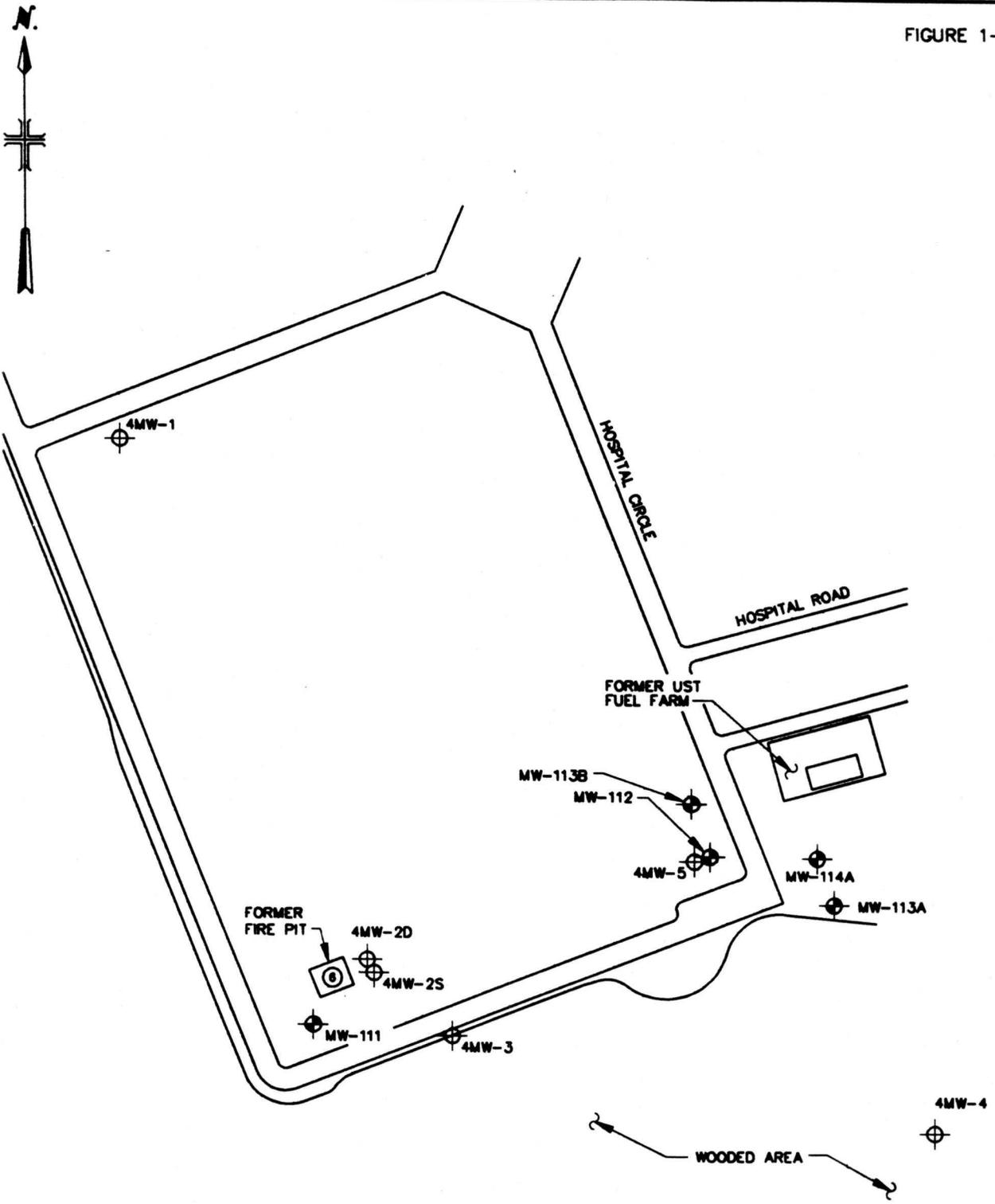


FIGURE 1-1



LEGEND:

-  MONITORING WELLS
-  NEW WELLS



SCALE IN FEET

**MALCOLM  
PIRNIE**

FORT STORY, VIRGINIA  
QCS/AR REPORT  
FTA SITE MAP

MALCOLM PIRNIE, INC.

DECEMBER 1995

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## **Section 1**

# **INTRODUCTION**

### ***Previous Investigations***

Previous investigations included a PA/SI conducted in 1990 by Montgomery-Watson, Inc. which included soil and groundwater sampling with concentrations of metals, petroleum hydrocarbons and chlorinated solvents above trigger levels and a removal action by IT, Corporation in 1994 which included the excavation of the former fire training pit and surrounding petroleum-contaminated soils.

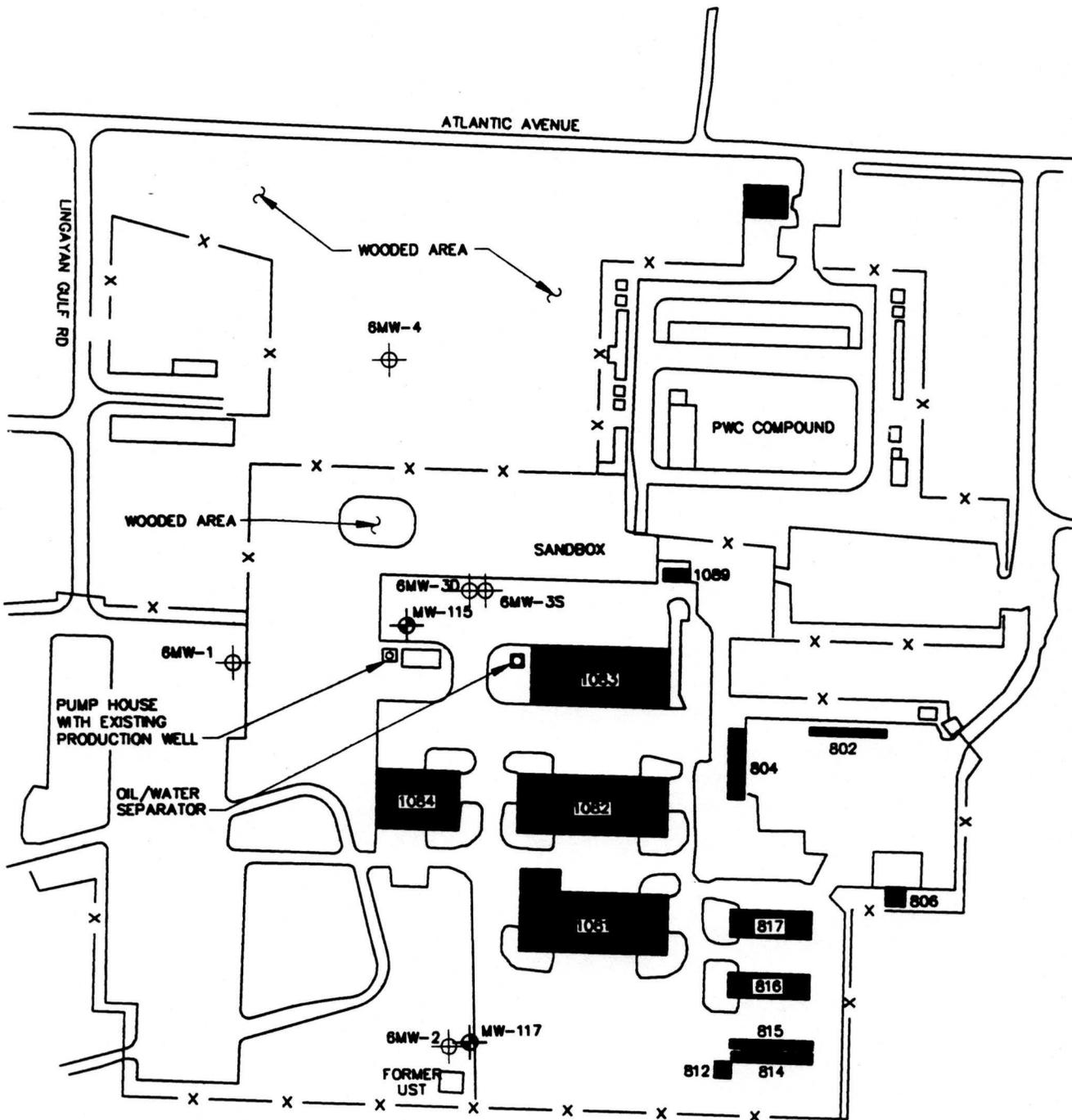
### **1.2.2 LARC 60 Maintenance Area (FTSTY-06)**

#### ***Location and History***

The Lighter Amphibious Resupply Cargo (LARC) 60 Maintenance Area is the maintenance and wash rack area for LARC 60 vehicles and is located in the central part of Fort Story. A site map is provided as Figure 1-2. A summary of its history is provided as follows:

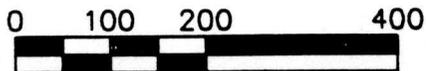
- During the 1950s, the wash rack area was first used as the barge amphibious resupply cargo (BARC) motor pool and maintenance facility.
- In 1964, the BARC vehicle was phased out and the LARC 60 vehicle was prototyped. Presently, this is the only facility on the East Coast available to the Army Transportation Corps for amphibious training.
- In 1982, the LARC 60 facility was modified with the construction of a concrete wash rack pad. Approximately 39 catch basins are located through the LARC 60 site which are used for collection of storm and wash water. Heavy equipment are currently stored awaiting maintenance and operated on the concrete wash rack and Sandbox Area.
- A former 10,000-gallon underground storage tank (UST) was located at the north gate of the LARC 60 vehicle motor pool approximately 600 feet south of the wash rack area. This UST was installed in 1983 and used for waste oil and degreaser storage.





LEGEND:

- EXISTING MONITORING WELLS
- NEW WELLS



SCALE IN FEET

## **Section 1**

# **INTRODUCTION**

### ***Previous Investigations***

Previous investigations conducted at the site included the following:

- A soil sampling study in 1987 by the U.S. Army Environmental Hygiene Agency which concluded that the soil north of the wash rack (Sandbox Area) was contaminated with grease, oil, lead and chromium but that this contaminated material did not pose a significant health hazard.
- As part of a PA/SI in 1990 by Montgomery-Watson, Inc., numerous groundwater and soil samples were collected with metals, petroleum hydrocarbons and chlorinated solvents detected above trigger levels.
- In 1994, IT Corporation, Inc. excavated and treated the petroleum-contaminated soil within the Sandbox area by bioremediation. Treated soils were placed back in the Sandbox.

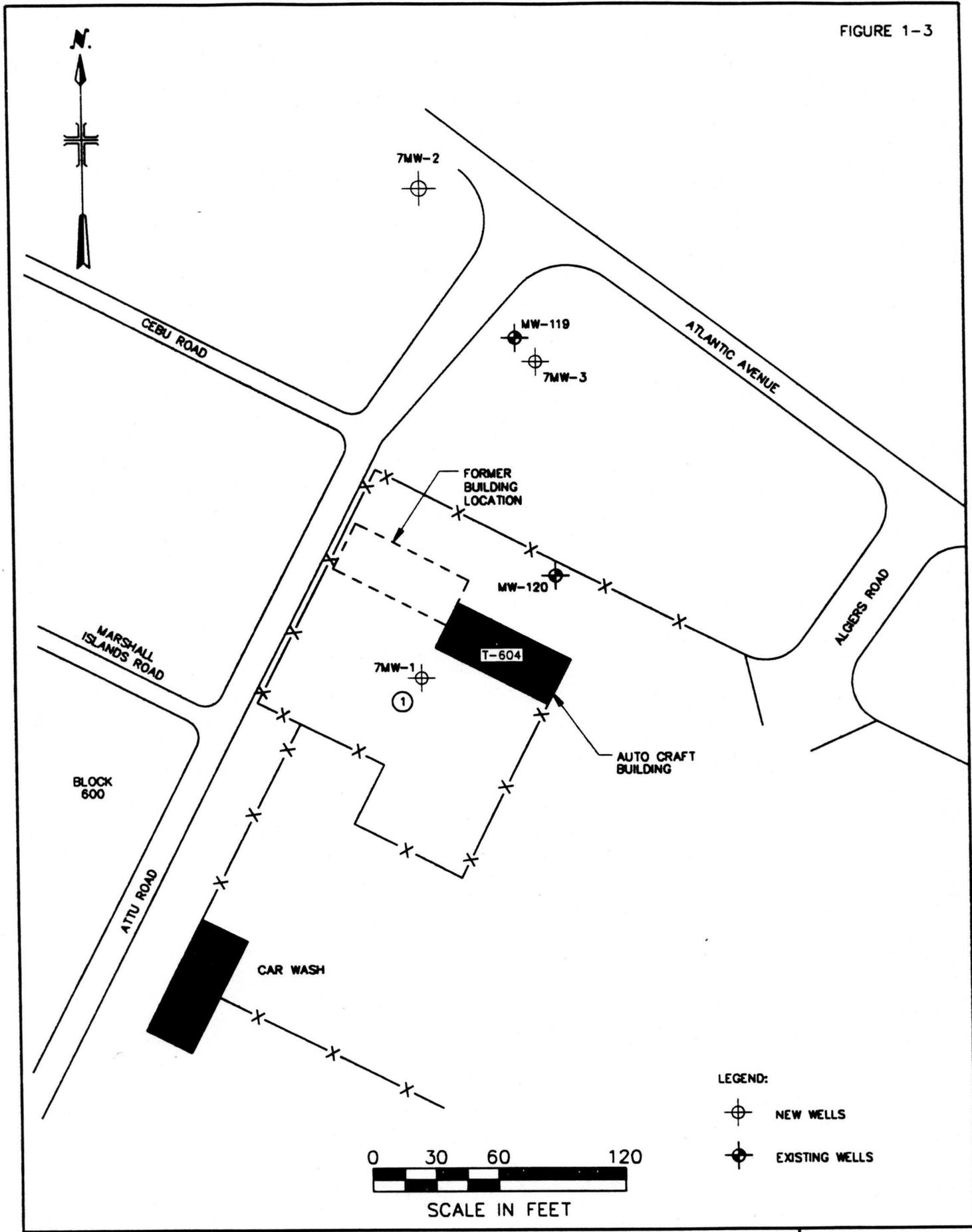
### **1.2.3 Auto Craft Building Area (FTSTY-07)**

#### ***Location and History***

The Auto Craft Building is located in the sand flat area south of the coastal dune complex at the junction of Atlantic Avenue and Cebu Road. The location of the site is provided on Figure 1-3. A summary of the site's history is provided as follows:

- Two solvent dip tanks were used for the storage of spent degreasing solvents and waste oils when the building was in use. Previously, waste oil generated at the site was piped out of the building and into the adjacent UST. The UST has subsequently been removed.
- Prior to its use as the Auto Craft Building, the site was used as a motor pool for wheeled vehicles.
- During the winter of 1989 and 1990, a portion of the building was destroyed by fire. A portion of the building's concrete foundation and some debris remain in the area.
- The site is currently used as a vehicle impoundment area.





# Section 1 INTRODUCTION

## ***Previous Investigations***

As part of a PA/SI in 1990 conducted by Montgomery-Watson, Inc., several analytes were detected in soil at levels above the trigger levels including petroleum hydrocarbons, zinc, and lead. Petroleum hydrocarbons was the only analyte detected above trigger levels in groundwater.

## **1.3 REPORT ORGANIZATION**

A summary of the organization format of this QCS/ARR is provided as follows:

- **Section 1.0** addresses the **Introduction** to the report, discusses the project objectives, provides background information including site descriptions and history and provides a discussion of previous investigations and provides the report organization.
- **Section 2.0** provides a **Summary of Daily Quality Control Reports** used at the three sites including a discussion of the weather conditions, subcontractors, equipment used and health and safety issues.
- **Section 3.0** provides a **Summary of the Field Investigation Program** including the quality control program and conformance with procedures in the Final Work Plan.
- **Section 4.0** provides a **Summary of Analytical Data** including a summary of results and data validation results.
- **Appendices:**
  - Appendix A - Daily Quality Control Reports
  - Appendix B - Chain-of-Custody Forms
  - Appendix C - Cooler Receipt Forms
  - Appendix D - USACE NED Lab QA Reports
  - Appendix E - Data Validation Reports



**Section 2**

## **SUMMARY OF DAILY QUALITY CONTROL REPORTS**

Daily quality control reports (DQCRs) were prepared daily for the field investigations at the three RI sites at Fort Story, Virginia. These reports summarized data such as the following:

- Weather conditions
- Subcontractors on-site
- Equipment used
- Work performed at each of the sites
- Quality control activities
- Health and safety levels and activities
- Problems encountered and corrective actions taken
- Other special information
- Planned activities for the following day

Site-specific DQCRs were submitted to the U.S. Army Corps of Engineers (USACE) Project Manager, Mr. Steve Cho, on a weekly basis summarizing the activities conducted at each site. A copy of the DQCRs are provided in Appendix A of this report. Field activities were initiated on January 30, 1995, at the three sites with the marking of the sampling locations and terminated on May 23, 1995, with the completion of tidal influence testing.

Field activities were conducted on a task-specific basis rather than completion of activities at one site and then initiating activities at another site. Example: Soil sampling by direct push technology (DPT) would be completed at all three sites prior to initiation of DPT groundwater sampling. Due to the close proximity of the sites, this allowed for a more efficient completion of field activities.

A summary of some of the significant data provided on the DQCRs is provided in the following sections.



## SUMMARY OF DAILY QUALITY CONTROL REPORTS

### 2.1 WEATHER CONDITIONS

Because field activities were initiated in the winter, the weather impacted several tasks associated with the field investigations for the sites. A summary of these impacts are provided as follows:

- The schedule for completion of field investigations was impacted due to heavy rains experienced during several weeks of the field activities. There were numerous lost days associated with the rain while during other days only limited field activities such as groundwater sampling could be conducted because of intermittent rain.
- Soil sampling was impacted due to several cold (<25°F) stretches of weather experienced in which soil moisture from recent rain events became frozen in the shallow soils. Collection of surface soil samples by hand auger was impossible to be conducted. A pick had to be used to loosen the surface soils prior to use of the hand auger for sample collection.

### 2.2 SUBCONTRACTORS

Numerous subcontractors were used to conduct the field activities and to assist in data generation for the three sites at Fort Story including the following:

<u>Subcontractor</u>	<u>Task</u>
Earth Technologies, Inc.	DPT sampling On-site GC analysis
Fishburne Drilling, Inc.	Monitoring well temporary well point installations
Holes, Inc.	Concrete coring
Sledd, Runes & Associates	Site surveying
USACE New England Division Lab	Quality assurance split sample analysis



## **SUMMARY OF DAILY QUALITY CONTROL REPORTS**

<u>Subcontractor</u>	<u>Task</u>
Savannah Laboratories	Chemical analysis of environmental samples
URS Consultants, Inc.	Data validation

No problems were encountered with subcontractors during field investigations. Any discrepancies, problems and corrective actions associated with analytical data generated by Earth Technologies, USACE New England Division Lab, and Savannah Laboratories are discussed in detail in Section 4.0 of this report.

### **2.3 EQUIPMENT**

Equipment was used for various functions during the field investigation including health and safety monitoring, water quality measurements (i.e., pH, conductivity, temperature), collection of water level data, and other field monitoring tasks.

Health and safety monitoring equipment (photoionization detector and combustible gas indicator) was calibrated at least three times per day; start of day's activities, mid-day (typically after lunch break) and at the end of the day. Additional calibration or checks were accomplished if there were any indications that the instrument may be out of calibration. Several operational problems were encountered with the Microtip HL-200 PID due to sediment present in the probe. However, backup PIDs were available as replacements.

Field monitoring instruments such as the conductivity and temperature meter were calibrated at the start of the day's activities and additionally if indications of instrument readings being out of calibration were present. No problems were encountered with calibration or operation of these instruments.

### **2.4 FIELD ACTIVITIES**

A detailed discussion of the field investigation conducted and quality control activities performed as part of this investigation is provided in Section 3.0 of this report.



## SUMMARY OF DAILY QUALITY CONTROL REPORTS

### 2.5 HEALTH AND SAFETY

Health and safety procedures used to protect personnel during the field investigations were in compliance with the protocols established in the *Site Safety and Health Plan (SSHP)* approved by the USACE. All personnel conducting field activities were required to read and understand the SSHP and sign the acknowledgements page prior to conducting any field operations.

A kickoff meeting prior to initiating of the field investigation was conducted that discussed all health and safety aspects of the project. Daily tailgate meetings were conducted at the initiation of each day to discuss health and safety issues.

All field activities at the three Fort Story sites were conducted in Level D personal protective equipment (PPE). PPE used during the field investigation included latex and nitrile gloves during sampling activities, steel-toed/shanked work boots and hard hats (drilling activities only). Based on real-time monitoring with the PID and combustible gas indicator, no PPE upgrades were required during the field investigation.

There were several days during the field investigation when temperatures dropped below freezing and additional gear such as thermal underwear, gloves, knit ski masks and heavy coats were required for protection. No frostbite or other cold weather health effects were encountered. Rain gear was also purchased and used during the heavy rain events for protection from the elements.



## **SUMMARY OF FIELD INVESTIGATION PROGRAM**

This sections summarizes the field investigation's quality control (QC) program and conformance with the USACE-approved procedures established in the *Field Investigation Plan (FIP)* and *Chemical Data Acquisition Plan (CDAP)* including analytical requirements, sampling locations and methodologies, and field documentation requirements for each of the three sites.

### **3.1 FIELD QUALITY CONTROL PROGRAM**

The objective of the field QC program was to collect sufficient QC samples for each sample matrix at each site. QC procedures utilized during the field investigation to support an assessment of the analytical data generated included the collection and analysis of numerous QC samples including duplicates, trip blanks, equipment reinstates, matrix spike/matrix spike duplicates (MS/MSD), and field blanks. Split samples were also submitted to the USACE New England Division (NED) Laboratory for analysis. A summary of the these samples submitted to off-site laboratories is provided in Table 3-1 for the Firefighter Training Area (FTA), LARC 60 Maintenance Area and Auto Craft Building Area sites.

All samples were collected at each site in containers as specified in Table 3-2. Containers and coolers were provided by the analytical laboratory, Savannah Laboratories, with color codes used to identify the preservatives placed in each container. Several sample bottles were broken during shipment, however, due to the sending of backup containers, all analysis requested was conducted without the need for resampling.

Savannah Laboratories also provided Chain-of-Custody (COC) records used to track samples from each site. A copy of the COC was kept by the sampling team prior to shipment to the laboratory. Upon receipt of the coolers, the samples were logged in and the COC signed by the laboratory's sample custodian. A copy of the CBC forms are provided in Appendix B.

Cooler receipt forms were completed by Savannah Laboratories and immediately faxed to Malcolm Pirnie. These forms documented the condition of the cooler and containers, temperature of the samples (if temperature bottle was included), and any corrective actions required. A copy of these forms are provided in Appendix C.

On-site GC analysis for select V.C. and TH light of direct push technology (DPT) groundwater samples was conducted by Earth Technologies, Inc. The analysis was used as a screening tool for determine the extent of groundwater contamination at each site, with confirmation samples collected and submitted to Savannah Laboratories for analysis.



**TABLE 3-1  
FIELD AND QA/QC SAMPLE SUMMARY**

Sampling Task	Analysis Requirements <sup>(1)</sup>					
	Total Metals/CN	Dissolved Metals/CN	TCL VOCs	TCL SOCs	TPH Heavy	TPH Light
<b>FIREFIGHTER TRAINING AREA</b>						
<b>Groundwater Sampling by DPT:</b>						
Field	4	0	17	16	16	17
Duplicates	1	0	1	1	1	1
Equipment Rinsates	0	0	3	0	0	3
Trip Blanks	0	0	7	0	0	0
NED QA Samples <sup>(2)</sup>	0	0	1	1	1	1
<b>Monitoring Well Sampling:</b>						
Field	3	3	10	10	10	10
Duplicates	1	1	1	1	1	1
Equipment Rinsates	0	0	0	0	0	0
Trip Blanks	0	0	2	0	0	0
NED QA Samples	0	0	0	0	0	0
<b>Subsurface Soil Sampling by DPT:</b>						
Field	9	0	44	44	44	44
Duplicates	1	0	4	4	4	4
Equipment Rinsates	0	0	2	2	2	2
Trip Blanks	0	0	1	0	0	0
NED QA Samples	1	0	2	2	2	2
<b>Surface Soil Samples:</b>						
Field	5	0	28	28	28	28
Duplicates	0	0	3	3	3	3
Equipment Rinsates	0	0	1	1	1	1
Trip Blanks	0	0	2	0	0	0
NED QA Samples	0	0	2	2	2	2
<b>Sediment Samples:</b>						
Field	4	0	4	4	4	4
Duplicates	1	0	1	1	1	1
Equipment Rinsates	1	0	1	1	1	1
Trip Blanks	0	0	0	0	0	0
NED QA Samples	1	0	1	1	1	1

Notes:

(1) Analytical methodologies used:

Parameter	Method
Metals	SW-846, 6010/7000
Cyanide	SW-846, 9010
Volatile Organics	SW-846, 8240
Semivolatile Organics	SW-846, 8270
TPH Heavy and Light	Modified 8015

(2) Split samples submitted to USACE New England Division Laboratory

**TABLE 3-1  
FIELD AND QA/QC SAMPLE SUMMARY**

Sampling Task	Analysis Requirements <sup>(1)</sup>					
	Total Metals/CN	Dissolved Metals/CN	TCL VOCs	TCL SOCs	TPH Heavy	TPH Light
<b>LARC 60 MAINTENANCE AREA</b>						
<b>Groundwater Sampling by DPT:</b>						
Field	3	0	21	18	18	20
Duplicates	1	0	2	2	2	2
Equipment Rinsates	0	0	3	0	0	3
Trip Blanks	0	0	5	0	0	0
NED QA Samples <sup>(2)</sup>	1	0	1	1	1	1
<b>Monitoring Well Sampling:</b>						
Field	4	4	8	8	8	8
Duplicates	1	1	1	1	1	1
Equipment Rinsates	0	0	0	0	0	0
Trip Blanks	0	0	2	0	0	0
NED QA Samples	0	0	0	0	0	0
<b>Subsurface Soil Sampling by DPT:</b>						
Field	6	0	27	27	27	27
Duplicates	1	0	3	3	3	3
Equipment Rinsates	1	0	2	2	2	2
Trip Blanks	0	0	1	0	0	0
NED QA Samples	1	0	3	3	3	3
<b>Surface Soil Samples:</b>						
Field	5	0	22	22	22	22
Duplicates	0	0	2	2	2	2
Equipment Rinsates	0	0	1	1	1	1
Trip Blanks	0	0	1	0	0	0
NED QA Samples	0	0	1	1	1	1
<b>Sediment Samples:</b>						
Field	2	0	2	2	2	2
Duplicates	0	0	0	0	0	0
Equipment Rinsates	0	0	0	0	0	0
Trip Blanks	0	0	0	0	0	0
NED QA Samples	0	0	0	0	0	0
<b>Surface Water Samples:</b>						
Field	2	0	2	2	2	2
Duplicates	0	0	0	0	0	0
Equipment Rinsates	0	0	0	0	0	0
Trip Blanks	0	0	1	0	0	0
NED QA Samples	0	0	0	0	0	0

Notes:

(1) Analytical methodologies used:

Parameter	Method
Metals	SW-846, 6010/7000
Cyanide	SW-846, 9010
Volatile Organics	SW-846, 8240
Semivolatile Organics	SW-846, 8270
TPH Heavy and Light	Modified 8015

(2) Split samples submitted to USACE New England Division Laboratory

**TABLE 3-1  
FIELD AND QA/QC SAMPLE SUMMARY**

Sampling Task	Analysis Requirements <sup>(1)</sup>					
	Total Metals/CN	Dissolved Metals/CN	TCL VOCs	TCL SOCs	TPH Heavy	TPH Light
<b>AUTO CRAFT BUILDING AREA</b>						
<b>Groundwater Sampling by DPT:</b>						
Field	3	0	6	6	6	6
Duplicates	1	0	1	1	1	1
Equipment Rinsates	0	0	2	0	0	2
Trip Blanks	0	0	1	0	0	0
NED QA Samples <sup>(2)</sup>	1	0	1	1	1	1
<b>Monitoring Well Sampling:</b>						
Field	2	2	4	4	4	4
Duplicates	1	1	1	1	1	1
Equipment Rinsates	0	0	0	0	0	0
Trip Blanks	0	0	1	0	0	0
NED QA Samples	0	0	0	0	0	0
<b>Subsurface Soil Sampling by DPT:</b>						
Field	3	0	12	12	12	12
Duplicates	1	0	1	1	1	1
Equipment Rinsates	0	0	0	0	0	0
Trip Blanks	0	0	0	0	0	0
NED QA Samples	1	0	1	1	1	1
<b>Surface Soil Samples:</b>						
Field	1	0	6	6	6	6
Duplicates	0	0	1	1	1	1
Equipment Rinsates	0	0	0	0	0	0
Trip Blanks	0	0	0	0	0	0
NED QA Samples	0	0	0	0	0	0

Notes:

(1) Analytical methodologies used:

Parameter	Method
Metals	SW-846, 6010/7000
Cyanide	SW-846, 9010
Volatile Organics	SW-846, 8240
Semivolatile Organics	SW-846, 8270
TPH Heavy and Light	Modified 8015

(2) Split samples submitted to USACE New England Division Laboratory

**TABLE 3-2  
SAMPLE CONTAINER, PRESERVATION AND HOLDING TIMES**

ANALYSIS	CONTAINER	PRESERVATION	HOLDING TIME
<b>SOIL AND SEDIMENT</b>			
TAL Metals/Mercury	500-ml plastic	4°C	6 months/28 days
TAL Cyanide	250-ml plastic	4°C	14 days
TCL Volatiles	125-ml amber glass with teflon-lined lid	4°C	14 days
TPH Light	125-ml amber glass with teflon-lined lid	4°C	14 days
TCL Semivolatiles	500-ml glass with teflon-lined lid	4°C	14 days/40 days <sup>(1)</sup>
TPH Heavy	500-ml glass with teflon-lined lid	4°C	28 days
<b>GROUNDWATER AND SURFACE WATER</b>			
TAL Metals	250-ml HDPE	HNO <sub>3</sub> to pH < 2, 4°C	6 months
TAL Mercury	130-ml glass	HNO <sub>3</sub> to pH < 2, 4°C	28 days
TAL Cyanide	1 liter HDPE	NaOH to pH > 12, 4°C	14 days
TCL Volatiles	3 - 40 ml glass vials with septa caps	4 drops HCl <sub>4</sub> to pH < 2, 4°C	14 days
TPH Light	3 - 40 ml glass vials with septa caps	4 drops HCl <sub>4</sub> to pH < 2, 4°C	14 days
TCL Semivolatiles	2 - 1 liter amber glass	4°C	7 days/40 days <sup>(2)</sup>
TPH Heavy	2 - 1 liter amber glass	4°C	28 days

Notes:

- (1) 14 days/40 days - Holding times are 14 days for extraction and 40 days for analysis.  
 (2) 7 days/40 days - Holding times are 7 days for extraction and 40 days for analysis.

## **SUMMARY OF FIELD INVESTIGATION PROGRAM**

The following sections discuss the QC program at each site for each sample matrix including an assessment of the number of QC samples collected and a discussion of nonconformances and corrective actions taken, if any, for those nonconformances.

### **3.2 FIREFIGHTING TRAINING AREA**

A summary of the field QC program and nonconformances for the field investigations at the FTA site including DPT groundwater, monitoring well, DPT subsurface soil, surface soil, and sediment sampling is discussed below.

#### **3.2.1 Monitoring Well Sampling**

##### ***Sampling Procedures***

Samples were collected from ten monitoring wells at the FTA site. Groundwater purging, sampling and equipment decontamination procedures utilized during the field investigation are described in Section 2.1 of the *Fort Story RI Report*. These procedures were consistent with the requirements established in the *CDAP*.

All monitoring well samples were analyzed off-site for VOCs, SOCs, TH heavy and TH light while three samples were also analyzed for total and dissolved metals and cyanide. One duplicate sample was collected for analysis of all parameter groups. Two trip blanks were analyzed for VOCs to determine any cross-contamination during sample shipment and handling.

##### ***Nonconformances and Corrective Actions***

Significant field nonconformances and changes to the approved *CDAP*, corrective actions and impacts on data quality for monitoring well sampling at the FTA are summarized as follows:

- Two additional monitoring wells were sampled at the FTA site with analysis for VOCs, SOCs, TH heavy and light. An additional well was also analyzed for total and dissolved metals and cyanide. Additional sampling provided a more extensive database to assess the nature and extent of groundwater contamination at the site.
- No equipment reinstates were collected during monitoring well sampling because disposable teflon bailers were used to collect samples. No impacts to data quality are anticipated.



## SUMMARY OF FIELD INVESTIGATION PROGRAM

- A QA split sample from one monitoring well was not collected and shipped to the USACE NED Laboratory due to an oversight in the field sampling program. However, no impacts to data quality are anticipated.

### 3.2.2 DPT Groundwater Sampling

#### **Sampling Procedures**

Samples were collected from 23 DPT groundwater locations at the FTA site. Groundwater sampling and equipment decontamination procedures utilized during the field investigation are described in Section 2.1.4 of the *Fort Story RI Report*. These procedures were consistent with the requirements established in the *CDAP*.

Sixteen DPT groundwater samples were analyzed off-site for VOCs, SOCs, TH heavy and TH light while four samples were also analyzed for total metals and cyanide. Also one DPT groundwater sample was analyzed for just VOCs and TH light. One duplicate sample was collected for analysis of all parameter groups. Three equipment reinstates of the 0.75-inch teflon bailers used were analyzed for VOCs and TH light. Seven trip blanks were analyzed for VOCs to determine any cross-contamination during sample shipment and handling. One split sample with analysis for VOCs, SOCs and TH heavy and light was submitted to the USACE NED laboratory for QA analysis.

Twenty-two DPT groundwater samples were analyzed on-site by GC for select VOCs (benzene, vinyl chloride, tetrachloroethene, trichloroethene, cis 1,2-dichloroethene and 1,1-dichloroethene) and TH light.

#### **Nonconformances and Corrective Actions**

Significant field nonconformances and changes to the approved *CDAP*, corrective actions and impacts on data quality for the DPT groundwater sampling at the FTA are summarized as follows:

- Five additional DPT groundwater points were sampled at the FTA site with on-site GC analysis for select VOCs and TH light. Additional sampling provided a more extensive database to assess the nature and extent of groundwater contamination at the site.



## **SUMMARY OF FIELD INVESTIGATION PROGRAM**

- Off-site analysis of one V.C., one TH light, two SOC and two TH heavy DPT groundwater samples were not conducted due to an oversight in the field sampling program. However, because these compounds were only detected in several groundwater samples at the site, no impacts to data quality are expected.
- One additional total metals and cyanide analysis was conducted during the DPT groundwater sampling.
- Dissolved metals and cyanide analysis could not be conducted for the DPT groundwater samples. These samples could not be settled and/or filtered because of the high concentration of suspended soils present in the samples due to sample collection procedures. Because no development or purging of the DPT points are conducted and no sandpack is present, fine sands pass through the screen and are collected during sampling. However, because dissolved analysis was conducted during monitoring well sampling, minimal impacts to data quality are anticipated.

### **3.2.3 Surface Soil Sampling**

#### ***Sampling Procedures***

Surface soil samples were collected from 28 locations at the FTA site. Surface soil sampling and equipment decontamination procedures utilized during the field investigation are described in Section 2.1.1.2 of the *Fort Story RI Report*. These procedures were consistent with the requirements established in the *CDAP*.

All surface soil samples were analyzed off-site for VOCs, SOCs, TH heavy and TH light while five samples were also analyzed for total metals and cyanide. Three duplicate samples were collected for analysis of VOCs, SOCs, TH heavy and TH light. Two trip blanks were analyzed for VOCs to determine any cross-contamination during sample shipment and handling. One equipment rinsate was collected for analysis of VOCs, SOCs, TH heavy and TH light. Two split samples with analysis for VOCs, SOCs and TH heavy and light were submitted to the USACE NED laboratory for QA analysis.

#### ***Nonconformances and Corrective Actions***

No significant field nonconformances or changes to the approved *CDAP* were noted during the field investigation.



## SUMMARY OF FIELD INVESTIGATION PROGRAM

### 3.2.4 DPT Subsurface Soil Sampling

#### **Sampling Procedures**

DPT subsurface soil samples were collected from 22 soil borings at the FTA site with samples collected at two depths. Subsurface soil sampling and equipment decontamination procedures utilized during the field investigation are described in Section 2.1.1.2 of the *Fort Story RI Report*. These procedures were consistent with the requirements established in the *CDAP*.

All 44 subsurface soil samples were analyzed off-site for VOCs, SOCs, TH heavy and TH light while nine samples were also analyzed for total metals and cyanide. Four duplicate samples were collected for analysis of VOCs, SOCs, TH heavy and TH light with one additional duplicate sample analyzed for total metals and cyanide. One trip blank was analyzed for VOCs to determine any cross-contamination during sample shipment and handling. One equipment rinsate was collected for analysis of VOCs, SOCs, TH heavy and TH light. Two split samples with analysis for VOCs, SOCs and TH heavy and light and one for total metals and cyanide were submitted to the USACE NED laboratory for QA analysis.

#### **Nonconformances and Corrective Actions**

No significant field nonconformances or changes to the approved *CDAP* were noted during the field investigation.

### 3.2.5 Sediment Sampling

#### **Sampling Procedures**

Sediment samples were collected from four locations in the lowland area south of the FTA site. Sediment sampling and equipment decontamination procedures utilized during the field investigation are described in Section 2.1.3 of the *Fort Story RI Report*. These procedures were consistent with the requirements established in the *CDAP*.

All four sediment samples were analyzed off-site for VOCs, SOCs, TH heavy and light and total metals and cyanide. One duplicate sample was collected for analysis of all parameter groups.



## **SUMMARY OF FIELD INVESTIGATION PROGRAM**

### ***Nonconformances and Corrective Actions***

No significant field nonconformances or changes to the approved *CDAP* were noted during the field investigation.

#### **3.2.6 Surface Water Sampling**

No surface water was present during the field investigation and therefore, no surface water samples could be collected at this site.

### **3.3 LARC 60 MAINTENANCE AREA**

A summary of the field QC program and nonconformances for the field investigations at the LARC 60 site including DPT groundwater, monitoring well, DPT subsurface soil, surface soil, surface water and sediment sampling is discussed below.

#### **3.3.1 Monitoring Well Sampling**

##### ***Sampling Procedures***

Samples were collected from eight monitoring wells at the LARC 60 site. Groundwater purging, sampling and equipment decontamination procedures utilized during the field investigation are described in Section 2.1 of the *Fort Story RI Report*. These procedures were consistent with the requirements established in the *CDAP*.

All monitoring well samples were analyzed off-site for VOCs, SOCs, TH heavy and TH light while four samples were also analyzed for total and dissolved metals and cyanide. One duplicate sample was collected for analysis of all parameter groups. Two trip blanks were analyzed for VOCs to determine any cross-contamination during sample shipment and handling.

##### ***Nonconformances and Corrective Actions***

Significant field nonconformances and changes to the approved *CDAP*, corrective actions and impacts on data quality for monitoring well sampling at the LARC 60 site are summarized as follows:



## SUMMARY OF FIELD INVESTIGATION PROGRAM

- Four additional monitoring wells were sampled at the LARC 60 site with analysis for VOCs, SOCs, TH heavy and light. Three additional wells were also analyzed for total and dissolved metals and cyanide. Additional sampling provided a more extensive database to assess the nature and extent of groundwater contamination at the site.
- No equipment reinstates were collected during monitoring well sampling because disposable teflon bailers were used to collect samples. No impacts to data quality are anticipated.

### 3.3.2 DPT Groundwater Sampling

#### **Sampling Procedures**

Samples were collected from 25 DPT groundwater locations at the LARC 60 site. Groundwater sampling and equipment decontamination procedures utilized during the field investigation are described in Section 2.1.4 of the *Fort Story RI Report*. These procedures were consistent with the requirements established in the *CDAP*.

Eighteen DPT groundwater samples were analyzed off-site for VOCs, SOCs, TH heavy and TH light while three samples were also analyzed for total metals and cyanide. Also two DPT groundwater samples were analyzed for just VOCs and TH light with one additional samples only analyzed for VOCs. Two duplicate samples were collected for analysis of VOCs, SOCs, TH heavy and TH light. One of these duplicate samples was also analyzed for total metals and cyanide. Three equipment reinstates of the 0.75-inch teflon bailers used were analyzed for VOCs and TH light. Five trip blanks were analyzed for VOCs to determine any cross-contamination during sample shipment and handling. One split sample with analysis for VOCs, SOCs, TH heavy and light, and total metals and cyanide was submitted to the USACE NED laboratory for QA analysis. Four DPT groundwater samples were analyzed on-site for VOCs.

Sixteen of the 25 DPT groundwater samples were analyzed on-site by GC for select VOCs (benzene, vinyl chloride, tetrachloroethene, trichloroethene, cis 1,2-dichloroethene and 1,1-dichloroethene) and TH light.

#### **Nonconformances and Corrective Actions**

Significant field nonconformances and changes to the approved *CDAP*, corrective actions and impacts on data quality for the DPT groundwater sampling at the LARC 60 site are summarized as follows:



## SUMMARY OF FIELD INVESTIGATION PROGRAM

- Seven additional DPT groundwater points were sampled at the LARC 60 site with some of the samples analyzed on-site and others analyzed off-site. Additional sampling provided a more extensive database to assess the nature and extent of groundwater contamination at the site.
- Dissolved metals and cyanide analysis could not be conducted for the DPT groundwater samples. These samples could not be settled and/or filtered because of the high concentration of suspended soils present in the samples due to sample collection procedures. Because no development or purging of the DPT points are conducted and no sandpack is present, fine sands pass through the screen and are collected during sampling. However, because dissolved analysis was conducted during monitoring well sampling, minimal impacts to data quality are anticipated.

### 3.3.3 Surface Soil Sampling

#### **Sampling Procedures**

Surface soil samples were collected from 22 locations at the LARC 60 site. Surface soil sampling and equipment decontamination procedures utilized during the field investigation are described in Section 2.1.1.2 of the *Fort Story RI Report*. These procedures were consistent with the requirements established in the *CDAP*.

All surface soil samples were analyzed off-site for VOCs, SOCs, TH heavy and TH light while five samples were also analyzed for total metals and cyanide. Two duplicate samples were collected for analysis of VOCs, SOCs, TH heavy and TH light. One trip blank was analyzed for VOCs to determine any cross-contamination during sample shipment and handling. One equipment rinsate was collected for analysis of VOCs, SOCs, TH heavy and TH light. One split sample with analysis for VOCs, SOCs and TH heavy and light was submitted to the USACE NED laboratory for QA analysis.

#### **Nonconformances and Corrective Actions**

Significant field nonconformances and changes to the approved *CDAP*, corrective actions and impacts on data quality for surface soil sampling at the LARC 60 site are summarized as follows:



## **SUMMARY OF FIELD INVESTIGATION PROGRAM**

- One surface soil sample (soil boring No. 7) from the concrete pad north of the oil/water separator was not collected because standing water in the concrete borehole had a petroleum sheen on it due to runoff from the pad. This sheen may have impacted contaminant concentrations with results not being representative of surface soils under the pad in that area. Due to the extensive amount of soil sampling in this area, minimal impact to data quality is anticipated.
- A QA split sample from one additional surface soil location was not collected and shipped to the USACE NED Laboratory due to an oversight in the field sampling program. However, no impacts to data quality are anticipated.

### **3.3.4 DPT Subsurface Soil Sampling**

#### ***Sampling Procedures***

DPT subsurface soil samples were collected from 23 soil borings at the LARC 60 site with samples collected at one or two depths depending upon the location of the boring. Due to a shallow water table (approximately 4 to 5 feet below land surface (BLS)) in the Sandbox area of the site, only one subsurface depth was sampled. Subsurface soil sampling and equipment decontamination procedures utilized during the field investigation are described in Section 2.1.1.2 of the *Fort Story RI Report*. These procedures were consistent with the requirements established in the *CDAP*.

All 27 subsurface soil samples were analyzed off-site for VOCs, SOCs, TH heavy and TH light while six samples were also analyzed for total metals and cyanide. Three duplicate samples were collected for analysis of VOCs, SOCs, TH heavy and TH light with one additional duplicate sample analyzed for total metals and cyanide. One trip blank was analyzed for VOCs to determine any cross-contamination during sample shipment and handling. Two equipment reinstates were collected for analysis of VOCs, SOCs, TH heavy and TH light with one of the reinstates also analyzed for total metals and cyanide. Three split samples with analysis for VOCs, SOCs and TH heavy and light and one for total metals and cyanide were submitted to the USACE NED laboratory for QA analysis.

#### ***Nonconformances and Corrective Actions***

Significant field nonconformances and changes to the approved *CDAP*, corrective actions and impacts on data quality for subsurface soil sampling at the LARC 60 site are summarized as follows:



## SUMMARY OF FIELD INVESTIGATION PROGRAM

- Due to the presence of the shallow water table in the Sandbox area of the site, subsurface soil samples were only collected from one depth in the 18 borings advanced in this area. The surface soil (0 to 1 foot BLS) and subsurface soil (4 to 5 feet BLS) samples collected in this area adequately assess the vertical extent of contamination, and therefore, no impacts to data quality are expected.

### 3.3.5 Sediment Sampling

#### *Sampling Procedures*

Sediment samples were collected from two locations in the drainage ditch located north of the Sandbox. Sediment sampling and equipment decontamination procedures utilized during the field investigation are described in Section 2.1.3 of the *Fort Story RI Report*. These procedures were consistent with the requirements established in the *CDAP*.

Both sediment samples were analyzed off-site for VOCs, SOCs, TH heavy and light and total metals and cyanide.

#### *Nonconformances and Corrective Actions*

No significant field nonconformances or changes to the approved *CDAP* were noted during the field investigation.

### 3.3.6 Surface Water Sampling

#### *Sampling Procedures*

Surface water samples were collected from two locations in the drainage ditch located north of the Sandbox. Surface water sampling and equipment decontamination procedures utilized during the field investigation are described in Section 2.1.2 of the *Fort Story RI Report*. These procedures were consistent with the requirements established in the *CDAP*.

Both surface water samples were analyzed off-site for VOCs, SOCs, TH heavy and light and total metals and cyanide.



**Section 3**

## **SUMMARY OF FIELD INVESTIGATION PROGRAM**

### ***Nonconformances and Corrective Actions***

No significant field nonconformances or changes to the approved *CDAP* were noted during the field investigation.

### **3.4 AUTO CRAFT BUILDING AREA**

A summary of the field QC program and nonconformances for the field investigations at the Auto Craft site including DPT groundwater, monitoring well, DPT subsurface soil, and surface soil sampling is discussed below.

#### **3.4.1 Monitoring Well Sampling**

##### ***Sampling Procedures***

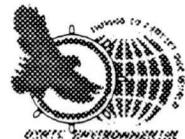
Samples were collected from four monitoring wells at the Auto Craft site. Groundwater purging, sampling and equipment decontamination procedures utilized during the field investigation are described in Section 2.1 of the *Fort Story RI Report*. These procedures were consistent with the requirements established in the *CDAP*.

All monitoring well samples were analyzed off-site for VOCs, SOCs, TH heavy and TH light while two samples were also analyzed for total and dissolved metals and cyanide. One duplicate sample was collected for analysis of all parameter groups. One trip blank were analyzed for VOCs to determine any cross-contamination during sample shipment and handling.

##### ***Nonconformances and Corrective Actions***

Significant field nonconformances and changes to the approved *CDAP*, corrective actions and impacts on data quality for monitoring well sampling at the Auto Craft site are summarized as follows:

- Three additional monitoring wells were sampled at the Auto Craft site with analysis for VOCs, SOCs, TH heavy and light. An additional well was also analyzed for total and dissolved metals and cyanide. Additional sampling provided a more extensive database to assess the nature and extent of groundwater contamination at the site.



## SUMMARY OF FIELD INVESTIGATION PROGRAM

- No equipment reinstates were collected during monitoring well sampling because disposable teflon bailers were used to collect samples. No impacts to data quality are anticipated.

### 3.4.2 DPT Groundwater Sampling

#### **Sampling Procedures**

Samples were collected from six DPT groundwater locations at the Auto Craft site. Groundwater sampling and equipment decontamination procedures utilized during the field investigation are described in Section 2.1.4 of the *Fort Story RI Report*. These procedures were consistent with the requirements established in the *CDAP*.

Six DPT groundwater samples were analyzed off-site for VOCs, SOCs, TH heavy and TH light while three samples were also analyzed for total metals and cyanide. One duplicate sample was collected for analysis of all parameter groups. Two equipment reinstates of the 0.75-inch teflon bailers used were analyzed for VOCs and TH light. One trip blank was analyzed for VOCs to determine any cross-contamination during sample shipment and handling. One split sample with analysis for VOCs, SOCs, TH heavy and light, and total metals and cyanide was submitted to the USACE NED laboratory for QA analysis.

Five of the six DPT groundwater samples were also analyzed on-site by GC for select VOCs (benzene, vinyl chloride, tetrachloroethene, trichloroethene, cis 1,2-dichloroethene and 1,1-dichloroethene) and TH light.

#### **Nonconformances and Corrective Actions**

Significant field nonconformances and changes to the approved *CDAP*, corrective actions and impacts on data quality for the DPT groundwater sampling at the Auto Craft site are summarized as follows:

- Dissolved metals and cyanide analysis could not be conducted for the DPT groundwater samples. These samples could not be settled and/or filtered because of the high concentration of suspended soils present in the samples due to sample collection procedures. Because no development or purging of the DPT points are conducted and no sandpack is present, fine sands pass through the screen and are collected during sampling. However, because dissolved analysis was conducted during monitoring well sampling, minimal impacts to data quality are anticipated.



## **SUMMARY OF FIELD INVESTIGATION PROGRAM**

### **3.4.3 Surface Soil Sampling**

#### ***Sampling Procedures***

Surface soil samples were collected from six locations at the Auto Craft site. Surface soil sampling and equipment decontamination procedures utilized during the field investigation are described in Section 2.1.1.2 of the *Fort Story RI Report*. These procedures were consistent with the requirements established in the *CDAP*.

All surface soil samples were analyzed off-site for VOCs, SOCs, TH heavy and TH light while one sample was also analyzed for total metals and cyanide. One duplicate sample was collected for analysis of VOCs, SOCs, TH heavy and TH light.

#### ***Nonconformances and Corrective Actions***

The only significant field nonconformance or change to the approved *CDAP* was the equipment rinsate was not collected. Reinstates for soil were collected every other day and no rinsate was required on the day that the samples were collected at the Auto Craft Site.

### **3.4.4 DPT Subsurface Soil Sampling**

#### ***Sampling Procedures***

DPT subsurface soil samples were collected from six soil borings at the Auto Craft site with samples collected at two depths. Subsurface soil sampling and equipment decontamination procedures utilized during the field investigation are described in Section 2.1.1.2 of the *Fort Story RI Report*. These procedures were consistent with the requirements established in the *CDAP*.

All 12 subsurface soil samples were analyzed off-site for VOCs, SOCs, TH heavy and TH light while three samples were also analyzed for total metals and cyanide. One duplicate sample was collected for analysis of VOCs, SOCs, TH heavy and light and total metals and cyanide. One split sample with analysis for VOCs, SOCs, TH heavy and light, and total metals and cyanide was submitted to the USACE NED laboratory for QA analysis.



## **SUMMARY OF FIELD INVESTIGATION PROGRAM**

### **Nonconformances and Corrective Actions**

No significant field nonconformances or changes to the approved CDAP were noted during the field investigation.

### **3.5 FIELD INVESTIGATIONS CONCLUSIONS**

A summary of the field QC program and nonconformances and changes related to the field QC program are provided as follows:

- Additional DPT and monitoring well groundwater samples were collected at the FTA and LARC 60 sites which aided in the assessment of the nature and extent of groundwater contamination.
- Dissolved metals and cyanide analysis could not be conducted for the DPT groundwater samples at each site due to the high concentration of suspended soils present. However, because dissolved analysis was conducted during monitoring well sampling, minimal impacts to data quality are anticipated.
- No equipment reinstates were collected during monitoring well sampling at each site because disposable teflon bailers were used to collect samples. No impacts to data quality are anticipated.
- Several QA split samples were not collected and shipped to the USACE NED Laboratory due to an oversight in the field sampling program. However, no impacts to data quality are anticipated.
- Due to the presence of the shallow water table in the Sandbox area of the site, subsurface soil samples were only collected from one depth in the 18 borings advanced in this area. The surface soil (0 to 1 foot BLS) and subsurface soil (4 to 5 feet BLS) samples collected in this area adequately assess the vertical extent of contamination, and therefore, no impacts to data quality are expected.



**Section 4**  
**SUMMARY OF ANALYTICAL DATA**

This section summarizes the analytical data for field and quality control (QC) samples collected at each of the three sites. The sampling and analysis program was conducted in accordance with the quality assurance requirements presented in the *Final Chemical Data Acquisition Plan*.

#### **4.1 USACE NED LAB QUALITY ASSURANCE SAMPLING**

The U.S. Army Corps of Engineers New England Division (USACE NED) Laboratory conducted quality assurance testing through split sample analysis of samples collected from each of the three sites at Fort Story, Virginia during this investigation. Their Chemical Quality Assurance Report (CQAR) for each site is provided in Appendix D. A summary of the QA findings is provided as follows:

##### ***Firefighter Training Area (FTA)***

- Results from the primary and QA samples agreed overall in 99 percent of the result comparisons.
- Results from the primary and QA samples agreed quantitatively in 90 percent of the comparisons.
- There was one (0.2 percent) major discrepancy between results from the primary and QA samples.
- There were minor discrepancies in three (0.6 percent) of the comparisons.

##### ***LARC 60 Maintenance Area (LARC 60)***

- Results from the primary and QA samples agreed overall in 98 percent of the result comparisons.



**Section 4**  
**SUMMARY OF ANALYTICAL DATA**

This section summarizes the analytical data for field and quality control (QC) samples collected at each of the three sites. The sampling and analysis program was conducted in accordance with the quality assurance requirements presented in the *Final Chemical Data Acquisition Plan*.

#### **4.1 USACE NED LAB QUALITY ASSURANCE SAMPLING**

The U.S. Army Corps of Engineers New England Division (USACE NED) Laboratory conducted quality assurance testing through split sample analysis of samples collected from each of the three sites at Fort Story, Virginia during this investigation. Their Chemical Quality Assurance Report (CQAR) for each site is provided in Appendix D. A summary of the QA findings is provided as follows:

##### ***Firefighter Training Area (FTA)***

- Results from the primary and QA samples agreed overall in 99 percent of the result comparisons.
- Results from the primary and QA samples agreed quantitatively in 90 percent of the comparisons.
- There was one (0.2 percent) major discrepancy between results from the primary and QA samples.
- There were minor discrepancies in three (0.6 percent) of the comparisons.

##### ***LARC 60 Maintenance Area (LARC 60)***

- Results from the primary and QA samples agreed overall in 98 percent of the result comparisons.



Section 4

## SUMMARY OF ANALYTICAL DATA

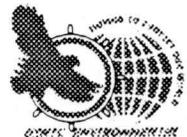
- Results from the primary and QA samples agreed quantitatively in 83 percent of the comparisons.
- There were five (1 percent) major discrepancies between results from the primary and QA samples.
- There were minor discrepancies in four (0.8 percent) of the comparisons.

### **Auto Craft Building Area**

- Results from the primary and QA samples agreed overall in 98 percent of the result comparisons.
- Results from the primary and QA samples agreed quantitatively in 90 percent of the comparisons.
- There was one (0.4 percent) major discrepancy between results from the primary and QA samples.
- There were minor discrepancies in four (1.7 percent) of the comparisons.

## **4.2 DATA VALIDATION**

URS Consultants, Inc. performed a data validation on samples collected at each site at Fort Story, Virginia. The validation was performed in accordance with *Region III Modifications to the National Functional Guidelines for Organic Data Review, Multi-Media, Multi-Concentration* (June 1992) and *Region III Modifications to the Laboratory Data Validation Functional Guidelines for Evaluating Inorganic Analysis*. For non-CLP procedures, the data were validated following the intent of the National Functional Guidelines. URS's data validation reports for each of the sites at Fort Story is provided in Appendix E which provide a detailed analysis and summary of the quality of the data generated at each site.

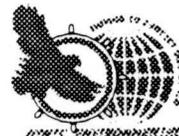


**Section 4**  
**SUMMARY OF ANALYTICAL DATA**

**4.3 SUMMARY OF ANALYTICAL RESULTS**

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Based on the results of the USACEQA sampling and data validation, the data generated for the three Fort Story sites were considered acceptable and was used with a high degree of confidence in evaluating the nature and extent of contamination and in performance of the baseline risk assessment. There were a limited number of samples that were either rejected or qualified, but overall, the data was of high quality.



**APPENDIX A**  
**DAILY QUALITY CONTROL REPORTS**

**FIREFIGHTER TRAINING AREA DQCRs**

Date January 30, 1995

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

Day	S	M	T	W	TH	F	S
		X					

COE PM Steve Cho

Project Fort Story FTA Remedial Investigation

Job No. 0285-588

Contract # DACA31-94-D-0017, D.O. No. 17

Weather	Bright Sun	Clear	Overcast	Rain X	Snow
Temperature	< 32	32 - 50 X	50 - 70	70-85	>85
Wind	Still	Moderate X	High	Report No.  1	
Humidity	Dry	Moderate	Humid X		

SUBCONTRACTORS ON-SITE: None

EQUIPMENT ON SITE: None

**WORK PERFORMED (INCLUDING SAMPLING):** Malcolm Pirnie personnel (Scott Bailey and Tony Pace) on site to mark all sampling points with stakes. Stakes were painted with different colors to distinguish between different types of sampling to be conducted at each point. Colors included:

- 1. Orange - Soil boring locations
- 2. White - Groundwater points by DPT
- 3. No color - Surface soil locations
- 4. Green - Piezocone/continuous core sample locations

Marked 22 soil boring locations with 8 at the former Fire Pit area, 8 at the Solvent Plume area, and 6 at the Norther area of the site.

Marked 4 sediment sample locations in the drainage/wetland area south of the site. However, no surface water is present, and therefore, surface water samples will not be collected at the FTA site.

Marked 13 DPT groundwater points including 4 at the Northern area, 5 at the Fire Pit area and 4 at the Solvent Plume area.

Project Fort Story FTA Remedial Investigation

Report No. 1

Job No. 0285-588

Date January 30, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

None required due to the type of field activities being performed.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D protection used (normal clothing with safety shoes).

No monitoring conducted due to the minimal intrusive activities conducted.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

No problems encountered.

**SPECIAL NOTES:**

Utilities have yet to be cleared and marked. Ticket from MISS UTILITY was obtained for this site on January 19, 1995. Fort Story personnel (Dale Hobbs and Randy Lehto) pointed out water, sewer and telephone lines but formal marking of lines has not been conducted.

**TOMORROW'S EXPECTATIONS:**

Initiate piezocone and continuous core sampling activities at the site.

By Anthony K Pace

Title Senior Project Engineer

Date January 31, 1995

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

Day	S	M	T	W	TH	F	S
			X				

COE PM Steve Cho  
Project Fort Story FTA Remedial Investigation  
Job No. 0285-588  
Contract # DACA31-94-D-0017, D.O. No. 17

Weather	Bright Sun X	Clear	Overcast	Rain	Snow
Temperature	< 32	32 - 50 X	50 - 70	70-85	>85
Wind	Still	Moderate X	High	Report No.  2	
Humidity	Dry	Moderate X	Humid		

### SUBCONTRACTORS ON-SITE:

Environmental Technology of North America, Inc. (ETI) to install piezocones and collect subsurface soil and groundwater samples.

### EQUIPMENT ON SITE:

ETI - Trailer mounted push equipment

Malcolm Pirnie - Photovac Microtip Photoionization Detector (PID) and MSA PASSPORT Meter for LEL/oxygen deficiency

### WORK PERFORMED (INCLUDING SAMPLING):

ETI set up to install a piezocone at the Northern area of the site. Upon installation of the piezocone, a water main was broken.

See Page 2 for discussion of corrective action.

No other activities completed because of the need for additional utility clearances.

Project Fort Story FTA Remedial Investigation

Report No. 2

Job No. 0285-588

Date January 31, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

Malcolm Pirnie calibrated the Microtip and PASSPORT prior to conducting any field measurements. Meters calibrated properly.

ETI conducted set-up checks on their electronics for the piezocone readings.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D protection used (normal clothing with safety shoes).

Breathing zone monitoring with the PID and PASSPORT conducted due to the intrusive activities conducted.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

Water main was broken by the DPT rig. Dale Hobbs of the Fort Story Public Works was immediately notified about the incident. He shut off the water to this line and proceeded to repair the broken line. The broken line was repaired by 1600 hours the same day. Mr. Hobbs had previously reported that no utilities were present in this area, however, he recommended that we delay any additional intrusive activities until he could review all facility drawings and mark all water and sewer lines at FTA, LARC 60 and Auto Craft sites. MISS UTILITY was contacted again for utility clearances to formally request the additional work. Malcolm Pirnie decided to hand auger numerous soil borings at each piezocone location to clear these areas until full utility clearance was obtained. All water, sewer and communications lines were subsequently marked over the next several days providing clearance for drilling.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

Initiate piezocone and continuous core sampling activities at the site.

By *Anthony K Pace*  
Anthony K Pace

Title Senior Project Engineer

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

COE PM Steve Cho

Project Fort Story FTA Remedial Investigation

Job No. 0285-588

Contract # DACA31-94-D-0017, D.O. No. 17

Date February 1, 1995

Day	S	M	T	W	TH	F	S
				X			

Weather	Bright Sun	Clear	Overcast	Rain	Snow
	X				
Temperature	< 32	32 - 50	50 - 70	70-85	> 85
			X		
Wind	Still	Moderate	High	<b>Report No.</b>  <b>3</b>	
	X				
Humidity	Dry	Moderate	Humid		
	X				

**SUBCONTRACTORS ON-SITE:**

Environmental Technology of North America, Inc. (ETI) to install piezocones and collect subsurface soil and groundwater samples.

**EQUIPMENT ON SITE:**

ETI - Trailer mounted push equipment

Malcolm Pirnie - Photovac Microtip Photoionization Detector (PID) and MSA PASSPORT Meter for LEL/oxygen deficiency

**WORK PERFORMED (INCLUDING SAMPLING):**

ETI installed 2 piezocones at the site and collected a continuous core sample from the area adjacent to one of the piezocones.

Project Fort Story FTA Remedial Investigation

Report No. 3

Job No. 0285-588

Date February 1, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

Malcolm Pirnie calibrated the Microtip and PASSPORT prior to conducting any field measurements. Meters calibrated properly.

ETI conducted set-up checks on their electronics for the piezocone readings.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D protection used (normal clothing with safety shoes).

Breathing zone monitoring with the PID and PASSPORT conducted due to the intrusive activities conducted.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

No problems encountered.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

Initiate subsurface soil sample collection by DPT.

Initiate sediment and surface soil sampling.

By Anthony K Pace

Title Senior Project Engineer

Date February 2, 1995

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

Day	S	M	T	W	TH	F	S
					X		

COE PM Steve Cho

Project Fort Story FTA Remedial Investigation

Job No. 0285-588

Contract # DACA31-94-D-0017, D.O. No. 17

Weather	Bright Sun	Clear	Overcast	Rain	Snow
			X		
Temperature	< 32	32 - 50	50 - 70	70-85	>85
		X			
Wind	Still	Moderate	High	Report No. <b>4</b>	
		X			
Humidity	Dry	Moderate	Humid		
		X			

### SUBCONTRACTORS ON-SITE:

Environmental Technology of North America, Inc. (ETI) to install piezocones and collect subsurface soil and groundwater samples.

### EQUIPMENT ON SITE:

ETI - Trailer mounted push equipment

Malcolm Pirnie - Photovac Microtip Photoionization Detector (PID) and MSA PASSPORT Meter for LEL/oxygen deficiency

### WORK PERFORMED (INCLUDING SAMPLING):

1. ETI collected subsurface samples from borings SB04-018 through SB04-022.
2. Malcolm Pirnie collected sediment samples from SD04-001 through SD04-004.
3. Malcolm Pirnie collected surface soil samples from SS04-011 through SD04-022.

Project Fort Story FTA Remedial Investigation

Report No. 4

Job No. 0285-588

Date February 2, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

Malcolm Pirnie calibrated the Microtip and PASSPORT prior to conducting any field measurements. Meters calibrated properly.

ETI decontaminated all push rods and soil split spoons prior to sample collection.

Duplicate samples were collected at SD04-001, SB04-022 and SS04-016. A MS/MSD sample was collected at SS04-019.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D protection used (normal clothing with safety shoes).

Breathing zone monitoring with the PID and PASSPORT conducted due to the intrusive activities conducted.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

No problems encountered.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

Continue with surface and subsurface soil sampling.

By *Anthony K Pace*  
Anthony K Pace

Title Senior Project Engineer

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

COE PM Steve Cho  
 Project Fort Story FTA Remedial Investigation  
 Job No. 0285-588  
 Contract # DACA31-94-D-0017, D.O. No. 17

Date February 3, 1995

Day	S	M	T	W	TH	F	S
						X	

Weather	Bright Sun	Clear X	Overcast	Rain	Snow
Temperature	< 32	32 - 50 X	50 - 70	70-85	>85
Wind	Still	Moderate X	High	<b>Report No.</b>  <b>5</b>	
Humidity	Dry X	Moderate	Humid		

**SUBCONTRACTORS ON-SITE:**

Environmental Technology of North America, Inc. (ETI) to install piezocones and collect subsurface soil and groundwater samples.

**EQUIPMENT ON SITE:**

ETI - Trailer mounted push equipment

Malcolm Pirnie - Photovac Microtip Photoionization Detector (PID) and MSA PASSPORT Meter for LEL/oxygen deficiency

**WORK PERFORMED (INCLUDING SAMPLING):**

1. ETI collected subsurface samples from borings SB04-015 through SB04-017, SB04-010 and SB04-013.

2. Malcolm Pirnie collected surface soil samples from SS04-004 through SD04-010 and SS04-026 through SS04-028.

Project Fort Story FTA Remedial Investigation

Report No. 5

Job No. 0285-588

Date February 3, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

Malcolm Pirnie calibrated the Microtip and PASSPORT prior to conducting any field measurements. Meters calibrated properly.

ETI decontaminated all push rods and soil split spoons prior to sample collection.

Duplicate samples were collected at SS04-006. Equipment rinsates were collected from subsurface and surface soil sampling equipment. Field blanks were collected from DI and tap water used for decontamination of sampling equipment.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D protection used (normal clothing with safety shoes).

Breathing zone monitoring with the PID and PASSPORT conducted due to the intrusive activities conducted.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

No problems encountered.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

Continue with subsurface soil sampling.

By Anthony K. Pace  
Anthony K. Pace

Title Senior Project Engineer

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

Date February 6, 1995

Day	S	M	T	W	TH	F	S
		X					

COE PM Steve Cho  
 Project Fort Story FTA Remedial Investigation  
 Job No. 0285-588  
 Contract # DACA31-94-D-0017, D.O. No. 17

Weather	Bright Sun	Clear X	Overcast	Rain	Snow
Temperature	< 32	32 - 50 X	50 - 70	70-85	>85
Wind	Still	Moderate X	High	Report No.  <b>6</b>	
Humidity	Dry	Moderate X	Humid		

**SUBCONTRACTORS ON-SITE:**

Environmental Technology of North America, Inc. (ETI) to collect subsurface soil samples.

**EQUIPMENT ON SITE:**

ETI - Trailer mounted push equipment

Malcolm Pirnie - Photovac Microtip Photoionization Detector (PID) and MSA PASSPORT Meter for LEL/oxygen deficiency

**WORK PERFORMED (INCLUDING SAMPLING):**

1. ETI collected subsurface samples from borings SB04-011, SB04-012, SB04-007, SB04-014 and SB04-002.

Project Fort Story FTA Remedial Investigation

Report No. 6

Job No. 0285-588

Date February 6, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

Malcolm Pirnie calibrated the Microtip and PASSPORT prior to conducting any field measurements. Meters calibrated properly.

ETI decontaminated all push rods and soil split spoons prior to sample collection.

Duplicate samples were collected at SS04-007.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D protection used (normal clothing with safety shoes).

Breathing zone monitoring with the PID and PASSPORT conducted due to the intrusive activities conducted.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

Problems encountered with pulling DPT trailer through the loose sands at the site. It is expected that samples from these areas will be collected during the mornings when the ground is frozen from the cold temperatures.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

Continue with subsurface and surface soil sampling.



Project Fort Story FTA Remedial Investigation

Report No. 7

Job No. 0285-588

Date February 7, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

Malcolm Pirnie calibrated the Microtip and PASSPORT prior to conducting any field measurements. Meters calibrated properly.

ETI decontaminated all push rods and soil split spoons prior to sample collection.

Duplicate samples were collected at SB04-009 and SS04-024.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D protection used (normal clothing with safety shoes).

Breathing zone monitoring with the PID and PASSPORT conducted due to the intrusive activities conducted.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

Some problems encountered with pulling DPT rig through the loose sands at the FTA. Will attempt to collect samples from these areas in the mornings when the sand is frozen from the cold temperatures during the night.

Ground was initially too frozen to use the hand auger for the surface soil samples. A pick was used to loosen up the soils for collection with a stainless steel scoop.

**SPECIAL NOTES:**

Surface soil sampling completed at this site.

**TOMORROW'S EXPECTATIONS:**

Continue with subsurface soil sampling.

By Anthony K. Pace

Title Senior Project Engineer

**SHEET 2 OF 2**

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

Date February 8, 1995

Day	S	M	T	W	TH	F	S
				X			

COE PM Steve Cho

Project Fort Story FTA Remedial Investigation

Job No. 0285-588

Contract # DACA31-94-D-0017, D.O. No. 17

<b>Weather</b>	Bright Sun	Clear	Overcast	Rain	Snow <b>X</b>
<b>Temperature</b>	< 32 <b>X</b>	32 - 50	50 - 70	70-85	>85
<b>Wind</b>	Still	Moderate <b>X</b>	High	<b>Report No.</b>  <b>8</b>	
<b>Humidity</b>	Dry	Moderate	Humid <b>X</b>		

**SUBCONTRACTORS ON-SITE:**

Environmental Technology of North America, Inc. (ETI) to collect subsurface soil samples.

**EQUIPMENT ON SITE:**

ETI - Trailer mounted push equipment

Malcolm Pirnie - Photovac Microtip Photoionization Detector (PID) and MSA PASSPORT Meter for LEL/oxygen deficiency

**WORK PERFORMED (INCLUDING SAMPLING):**

- ETI collected subsurface samples from borings SB04-004, SB04-006, and SB04-005.

Project Fort Story FTA Remedial Investigation

Report No. 8

Job No. 0285-588

Date February 8, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

Malcolm Pirnie calibrated the Microtip and PASSPORT prior to conducting any field measurements. Meters calibrated properly.

ETI decontaminated all push rods and soil split spoons prior to sample collection.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D protection used (normal clothing with safety shoes).

Breathing zone monitoring with the PID and PASSPORT conducted due to the intrusive activities conducted.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

No problems.

**SPECIAL NOTES:**

Subsurface soil sampling completed at this site.

**TOMORROW'S EXPECTATIONS:**

No activities scheduled.

By Anthony K. Pace

Title Senior Project Engineer

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

COE PM Steve Cho  
 Project Fort Story FTA Remedial Investigation  
 Job No. 0285-588  
 Contract # DACA31-94-D-0017, D.O. No. 17

Date February 9, 1995

Day	S	M	T	W	TH	F	S
					X		

Weather	Bright Sun	Clear X	Overcast	Rain	Snow
Temperature	< 32 X	32 - 50	50 - 70	70-85	>85
Wind	Still	Moderate X	High	Report No.  9	
Humidity	Dry	Moderate X	Humid		

**SUBCONTRACTORS ON-SITE:**

**EQUIPMENT ON SITE:**

**WORK PERFORMED (INCLUDING SAMPLING):**

No activities conducted.

Project Fort Story FTA Remedial Investigation

Report No. 9

Job No. 0285-588

Date February 9, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

No activities scheduled.

By Anthony K. Pace

Title Senior Project Engineer

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

Date February 10, 1995

Day	S	M	T	W	TH	F	S
						X	

COE PM -Steve Cho

Project Fort Story FTA Remedial Investigation

Job No. 0285-588

Contract # DACA31-94-D-0017, D.O. No. 17

Weather	Bright Sun	Clear X	Overcast	Rain	Snow
Temperature	< 32 X	32 - 50	50 - 70	70-85	>85
Wind	Still X	Moderate	High	Report No.  <b>10</b>	
Humidity	Dry X	Moderate	Humid		

**SUBCONTRACTORS ON-SITE:**

**EQUIPMENT ON SITE:**

**WORK PERFORMED (INCLUDING SAMPLING):**

No activities conducted.



# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

Date February 13, 1995

COE PM Steve Cho  
 Project Fort Story FTA Remedial Investigation  
 Job No. 0285-588  
 Contract # DACA31-94-D-0017, D.O. No. 17

Day	S	M	T	W	TH	F	S
		X					

Weather	Bright Sun	Clear X	Overcast	Rain	Snow
Temperature	< 32 X	32 - 50	50 - 70	70-85	>85
Wind	Still	Moderate X	High	Report No.  <b>11</b>	
Humidity	Dry	Moderate X	Humid		

**SUBCONTRACTORS ON-SITE:**

**EQUIPMENT ON SITE:**

**WORK PERFORMED (INCLUDING SAMPLING):**

No activities conducted.

Project Fort Story FTA Remedial Investigation

Report No. 11

Job No. 0285-588

Date February 13, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

No activities scheduled.

By Anthony K. Pace

Title Senior Project Engineer

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

Date February 14, 1995

Day	S	M	T	W	TH	F	S
			X				

COE PM Steve Cho

Project Fort Story FTA Remedial Investigation

Job No. 0285-588

Contract # DACA31-94-D-0017, D.O. No. 17

Weather	Bright Sun	Clear	Overcast	Rain	Snow
			X		
Temperature	< 32	32 - 50	50 - 70	70-85	> 85
		X			
Wind	Still	Moderate	High	Report No.  <b>12</b>	
		X			
Humidity	Dry	Moderate	Humid		
		X			

**SUBCONTRACTORS ON-SITE:**

**EQUIPMENT ON SITE:**

**WORK PERFORMED (INCLUDING SAMPLING):**

No activities conducted.

Project Fort Story FTA Remedial Investigation

Report No. 12

Job No. 0285-588

Date February 14, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

No activities scheduled.

By Anthony K. Pace

Title Senior Project Engineer

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

Date February 15, 1995

Day	S	M	T	W	TH	F	S
				X			

COE PM Steve Cho  
 Project Fort Story FTA Remedial Investigation  
 Job No. 0285-588  
 Contract # DACA31-94-D-0017, D.O. No. 17

Weather	Bright Sun	Clear	Overcast	Rain X	Snow
Temperature	< 32	32 - 50 X	50 - 70	70-85	>85
Wind	Still	Moderate X	High	Report No.  <b>13</b>	
Humidity	Dry	Moderate X	Humid		

**SUBCONTRACTORS ON-SITE:**

**EQUIPMENT ON SITE:**

**WORK PERFORMED (INCLUDING SAMPLING):**

No activities conducted.

Project Fort Story FTA Remedial Investigation

Report No. 13

Job No. 0285-588

Date February 15, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

Initiate groundwater sampling.

By Anthony K. Pace

Title Senior Project Engineer

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

Date February 16, 1995

Day	S	M	T	W	TH	F	S
					X		

COE PM Steve Cho

Project Fort Story FTA Remedial Investigation

Job No. 0285-588

Contract # DACA31-94-D-0017, D.O. No. 17

Weather	Bright Sun	Clear	Overcast	Rain	Snow
		X		X	
Temperature	< 32	32 - 50	50 - 70	70-85	>85
		X			
Wind	Still	Moderate	High	Report No.  <b>14</b>	
		X			
Humidity	Dry	Moderate	Humid		
		X			

**SUBCONTRACTORS ON-SITE:**

ETI - To collect groundwater samples by DPT.

**EQUIPMENT ON SITE:**

ETI - DPT Trailer

Malcolm Pirnie - Microtip PID, MSA PASSPORT, Orion pH meter, and YSI conductivity/temperature meter.

**WORK PERFORMED (INCLUDING SAMPLING):**

Collected groundwater samples at GW04-011.

Project Fort Story FTA Remedial Investigation

Report No. 14

Job No. 0285-588

Date February 16, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

Calibration of all field equipment listed above.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D activities with breathing zone monitoring during intrusive activities.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

Periodic rains allowed for the sampling at only one DPT point during the day.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

Continue groundwater sampling.

By Anthony K. Pace

Title Senior Project Engineer

**SHEET 2 OF 2**



Project Fort Story FTA Remedial Investigation

Report No. 15

Job No. 0285-588

Date February 17, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

Heavy rains postponed any field activities.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

Continue groundwater sampling.

By Anthony K. Pace

Title Senior Project Engineer



Project Fort Story FTA Remedial Investigation

Report No. 16

Job No. 0285-588

Date February 20, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

1. Calibration of PID, YSI and Orion meters.
2. On-site GC lab going through their initial calibrations.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D activities with continuous breathing zone monitoring.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

1. On-site GC lab is unable to provide a satisfactory detection limit for the VOC analysis. ETI lab personnel can only detect to a concentration of about 50 ppb. ETI will bring in laboratory personnel from Earth Technologies (their new parent company) to run the VOC samples through a Photovac 10S analyzer with a GC column.
2. Due to the presence of fine sands, filtered samples may not be able to be collected. Inorganic samples will be allowed to settle overnight in a refrigerator to determine if filtered samples will be collected. In addition, the fine sands are preventing the DPT groundwater sampler to open because no friction is being provided in the subsurface. A smaller rod inserted inside the DPT rods was used to push open the sampler and expose the screen.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

Continue groundwater sampling.



Project Fort Story FTA Remedial Investigation

Report No. 17

Job No. 0285-588

Date February 21, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

1. Calibration of PID, YSI and Orion meters.
2. On-site GC lab going through their initial calibrations.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D activities with continuous breathing zone monitoring.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

No settling of fine sands occurred in samples stored overnight. Attempted to filter the samples but due to the presence of high levels of solids, pre-filters kept getting clogged. Unable to filter DPT groundwater samples. However, should be able to filter groundwater samples from permanent monitoring wells later in the field activities.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

Continue groundwater sampling.

Date February 22, 1995

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

Day	S	M	T	W	TH	F	S
				X			

COE PM - Steve Cho  
Project Fort Story FTA Remedial Investigation  
Job No. 0285-588  
Contract # DACA31-94-D-0017, D.O. No. 17

Weather	Bright Sun	Clear X	Overcast	Rain	Snow
Temperature	< 32	32 - 50 X	50 - 70	70-85	>85
Wind	Still	Moderate X	High	Report No.  <b>18</b>	
Humidity	Dry X	Moderate	Humid		

### SUBCONTRACTORS ON-SITE:

ETI - To collect groundwater samples by DPT and conduct on-site GC analysis of VOC and TPH samples

### EQUIPMENT ON SITE:

ETI - DPT rig and laboratory GC and trailer

Malcolm Pirnie - Microtip HL-200 PID, YSI Temperature/Conductivity Meter and Orion pH Meter

### WORK PERFORMED (INCLUDING SAMPLING):

1. Collected groundwater samples by DPT at Point 005.
2. Took VOC and TPH light samples to on-site GC lab for analysis.

Project Fort Story FTA Remedial Investigation

Report No. 18

Job No. 0285-588

Date February 22, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

1. Calibration of PID, YSI and Orion meters.
2. On-site GC lab going through their initial calibrations.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D activities with continuous breathing zone monitoring.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

Awaiting new groundwater sampling tip for DPT rods because tip broke yesterday from pushing through gravel at former fire pit.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

Continue groundwater sampling.



Project Fort Story Auto Craft Remedial Investigation

Report No. 22

Job No. 0285-590

Date February 28, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

Blank lined area for Quality Control Activities.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Blank lined area for Health and Safety Levels and Activities.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

Blank lined area for Problems Encountered/Corrective Action Taken.

**SPECIAL NOTES:**

Blank lined area for Special Notes.

**TOMORROW'S EXPECTATIONS:**

No activities scheduled.

Blank lined area for Tomorrow's Expectations.

By Anthony K. Pace

Title Senior Project Engineer



Project Fort Story Auto Craft Remedial Investigation

Report No. 23

Job No. 0285-590

Date March 1, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

No activities scheduled.

By Anthony K. Pace

Title Senior Project Engineer

Date March 2, 1995

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

Day	S	M	T	W	TH	F	S
					X		

COE PM Steve Cho

Project Fort Story Auto Craft Remedial Investigation

Job No. 0285-590

Contract # DACA31-94-D-0017, D.O. No. 24

Weather	Bright Sun X	Clear	Overcast	Rain	Snow
Temperature	< 32	32 - 50 X	50 - 70	70-85	>85
Wind	Still	Moderate	High X	Report No.  24	
Humidity	Dry X	Moderate	Humid		

**SUBCONTRACTORS ON-SITE:**

**EQUIPMENT ON SITE:**

**WORK PERFORMED (INCLUDING SAMPLING):**

No activities conducted.

Project Fort Story Auto Craft Remedial Investigation

Report No. 24

Job No. 0285-590

Date March 2, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

No activities scheduled.

By Anthony K. Pace

Title Senior Project Engineer

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

COE PM Steve Cho  
 Project Fort Story Auto Craft Remedial Investigation  
 Job No. 0285-590  
 Contract # DACA31-94-D-0017, D.O. No. 24

Date March 3, 1995

Day	S	M	T	W	TH	F	S
						X	

Weather	Bright Sun	Clear X	Overcast	Rain	Snow
Temperature	< 32	32 - 50 X	50 - 70	70-85	> 85
Wind	Still	Moderate X	High	<b>Report No.</b>  <b>25</b>	
Humidity	Dry X	Moderate	Humid		

**SUBCONTRACTORS ON-SITE:**

**EQUIPMENT ON SITE:**

**WORK PERFORMED (INCLUDING SAMPLING):**

No activities conducted.

Project Fort Story Auto Craft Remedial Investigation

Report No. 25

Job No. 0285-590

Date March 3, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**


**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**


**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**


**SPECIAL NOTES:**


**TOMORROW'S EXPECTATIONS:**

No activities scheduled.

By Anthony K. Pace

Title Senior Project Engineer

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

Date March 7, 1995

Day	S	M	T	W	TH	F	S
			X				

COE PM Steve Cho

Project Fort Story Auto Craft Remedial Investigation

Job No. 0285-590

Contract # DACA31-94-D-0017, D.O. No. 24

<b>Weather</b>	Bright Sun	Clear	Overcast	Rain	Snow
		X		X	
<b>Temperature</b>	< 32	32 - 50	50 - 70	70-85	>85
		X			
<b>Wind</b>	Still	Moderate	High	<b>Report No.</b>  <b>26</b>	
		X			
<b>Humidity</b>	Dry	Moderate	Humid		
			X		

**SUBCONTRACTORS ON-SITE:**

ETI - To collect groundwater sample by DPT.

**EQUIPMENT ON SITE:**

ETI - DPT trailer  
Malcolm Pirnie - Microtip PID, YSI Conductivity/Temperature Meter and Orion pH Meter

**WORK PERFORMED (INCLUDING SAMPLING):**

Collected groundwater sample at GW07-006. Samples submitted to Savannah Lab for analysis.

Project Fort Story Auto Craft Remedial Investigation

Report No. 26

Job No. 0285-590

Date March 7, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

Field equipment calibration.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D with breathing zone monitoring with PID.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

No problems.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

No activities scheduled through March 17, 1995.

By Anthony K. Pace

Title Senior Project Engineer

Date March 20 - 21, 1995

Day | S | M | T | W | TH | F | S |  
     | X | X |   |   |   |   |   |

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

COE PM Steve Cho

Project Fort Story Auto Craft Remedial Investigation

Job No. 0285-590

Contract # DACA31-94-D-0017, D.O. No. 24

Weather	Bright Sun	Clear	Overcast	Rain	Snow
Temperature	< 32	32 - 50	50 - 70	70-85	>85
Wind	Still	Moderate	High	Report No. <b>27 - 28</b>	
Humidity	Dry	Moderate	Humid		

**SUBCONTRACTORS ON-SITE:**

**EQUIPMENT ON SITE:**

**WORK PERFORMED (INCLUDING SAMPLING):**

No activities.

Project Fort Story Auto Craft Remedial Investigation

Report No. 27 - 28

Job No. 0285-590

Date March 20 - 21, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**


**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**


**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**


**SPECIAL NOTES:**


**TOMORROW'S EXPECTATIONS:**

Installation of wells expected to begin on Wednesday, March 23, 1995.

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

Date March 22, 1995

Day	S	M	T	W	TH	F	S
				X			

COE PM Steve Cho

Project Fort Story Auto Craft Remedial Investigation

Job No. 0285-590

Contract # DACA31-94-D-0017, D.O. No. 24

Weather	Bright Sun	Clear X	Overcast	Rain	Snow
Temperature	< 32	32 - 50 X	50 - 70	70-85	>85
Wind	Still	Moderate X	High	Report No.  <b>29</b>	
Humidity	Dry X	Moderate	Humid		

**SUBCONTRACTORS ON-SITE:**

Fishburne Drilling - To install groundwater monitoring wells.

**EQUIPMENT ON SITE:**

Fishburne Drilling - Truck-mounted drill rig

Malcolm Pirnie - Microtip PID

**WORK PERFORMED (INCLUDING SAMPLING):**

Installed 3 monitoring wells including 7MW-1 (background well located in parking lot upgradient of former building),

7MW-1 (located west of Attu Road/Atlantic Ave intersection), and 7MW-3 (deep well adjacent to MW-119).

Project Fort Story Auto Craft Remedial Investigation

Report No. 29

Job No. 0285-590

Date March 22, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

Field equipment calibration. -

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D with breathing zone monitoring with PID.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

No problems.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

No activities scheduled. Will begin well development on March 28th.

By Anthony K. Pace

Title Senior Project Engineer



Project Fort Story Auto Craft Remedial Investigation

Report No. 30 - 31

Job No. 0285-590

Date March 23 - 24, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**


**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**


**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**


**SPECIAL NOTES:**


**TOMORROW'S EXPECTATIONS:**

Well development expected to begin on March 28th.



Project Fort Story Auto Craft Remedial Investigation

Report No. 32

Job No. 0285-590

Date March 27, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

Well development expected to begin tomorrow.

By Anthony K. Pace

Title Senior Project Engineer

Date March 28, 1995

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

Day	S	M	T	W	TH	F	S
			X				

COE PM Steve Cho  
Project Fort Story Auto Craft Remedial Investigation  
Job No. 0285-590  
Contract # DACA31-94-D-0017, D.O. No. 24

Weather	Bright Sun	Clear	Overcast	Rain	Snow
			X		
Temperature	< 32	32 - 50	50 - 70	70-85	>85
			X		
Wind	Still	Moderate	High	Report No.  <b>33</b>	
		X			
Humidity	Dry	Moderate	Humid		
		X			

**SUBCONTRACTORS ON-SITE:**

Fishburne Drilling - To develop groundwater monitoring wells

**EQUIPMENT ON SITE:**

Fishburne Drilling - Air compressor

Malcolm Pirnie - PID, YSI 33 S-C-T Meter, Orion pH Meter, Turbidity Meter

**WORK PERFORMED (INCLUDING SAMPLING):**

Developed 3 monitoring wells (7MW-2, 7MW-3 and MW-119)

Project Fort Story Auto Craft Remedial Investigation

Report No. 33

Job No. 0285-590

Date March 28, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

Calibration of field equipment.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D with breathing zone monitoring with PID.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

No problems.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

Continue well development.

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

Date March 29, 1995

Day	S	M	T	W	TH	F	S
				X			

COE PM Steve Cho

Project Fort Story Auto Craft Remedial Investigation

Job No. 0285-590

Contract # DACA31-94-D-0017, D.O. No. 24

Weather	Bright Sun	Clear <b>X</b>	Overcast	Rain	Snow
Temperature	< 32	32 - 50	50 - 70 <b>X</b>	70-85	>85
Wind	Still	Moderate <b>X</b>	High	<b>Report No.  34</b>	
Humidity	Dry	Moderate <b>X</b>	Humid		

**SUBCONTRACTORS ON-SITE:**

Fishburne Drilling - To develop groundwater monitoring wells

**EQUIPMENT ON SITE:**

Fishburne Drilling - Air compressor

Malcolm Pirnie - PID, YSI 33 S-C-T Meter, Orion pH Meter, Turbidity Meter

**WORK PERFORMED (INCLUDING SAMPLING):**

Developed 2 monitoring wells (7MW-1 and MW-120)

Project Fort Story Auto Craft Remedial Investigation

Report No. 34

Job No. 0285-590

Date March 29, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

Calibration of field equipment.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D with breathing zone monitoring with PID.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

No problems.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

No activities planned until groundwater sampling which is scheduled for the week of April 10th.



Project Fort Story Auto Craft Remedial Investigation

Report No. 35 - 36

Job No. 0285-590

Date March 30 - 31, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

No activities planned until groundwater sampling which is scheduled for the week of April 10th.

By Anthony K. Pace

Title Senior Project Engineer

Date April 13, 1995

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

Day	S	M	T	W	TH	F	S
					X		

COE PM Steve Cho

Project Fort Story Auto Craft Remedial Investigation

Job No. 0285-590

Contract # DACA31-94-D-0017, D.O. No. 24

Weather	Bright Sun	Clear X	Overcast	Rain	Snow
Temperature	< 32	32 - 50	50 - 70 X	70-85	>85
Wind	Still X	Moderate	High	Report No.  38	
Humidity	Dry X	Moderate	Humid		

**SUBCONTRACTORS ON-SITE:**

**EQUIPMENT ON SITE:**

Groundwater monitoring well sampling equipment - Portable generator, submersible pump, disposable PVC and teflon bailers, Microtip PID, YSI 33 Conductivity/Temperature Meter, Orion pH meter, electronic water level indicator and turbidimeter.

**WORK PERFORMED (INCLUDING SAMPLING):**

Sampling of groundwater monitoring wells at the site. After purging of 3 to 5 volumes of water from the wells, the following wells were sampled:

7MW-2

7MW-3

MW-119

MW-120

Project Fort Story Auto Craft Remedial Investigation

Report No. 38

Job No. 0285-590

Date April 13, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

Calibration of all field equipment prior to use.

Duplicate sample collected at MW-119.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D with continuous breathing zone monitoring.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

No problems encountered.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

Tidal influence testing will be conducted but no schedule has been set.

By Anthony K. Pace

Title Senior Project Engineer

**APPENDIX B**  
**CHAIN-OF-CUSTODY FORMS**

# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

- 26102 LaRoche Avenue, Savannah, GA 31404
- 2846 Industrial Plaza Drive, Tallahassee, FL 32301
- 414 SW 12th Avenue, Deerfield Beach, FL 33442
- 900 Lakeside Drive, Mobile, AL 36693
- 6712 Benjamin Road, Suite 100, Tampa, FL 33634
- 110 Alpha Drive, Destrehan, LA 70047

Phone (912) 354 7858 Fax: (912) 352-0165  
 Phone (904) 878 3994 Fax: (904) 878-9504  
 Phone (305) 421 7400 Fax: (305) 421-2584  
 Phone (205) 666 6633 Fax: (205) 666-6696  
 Phone (813) 885 7427 Fax: (813) 885-7049  
 Phone (504) 764 1100 Fax: (504) 725-1163

PROJECT REFERENCE <i>Fl. Spill - FTA</i>		PROJECT NO. <i>0206-503</i>	P.O. NUMBER <i>T.O. - 201</i>	MATRIX TYPE	REQUIRED ANALYSES	PAGE	OF
PROJECT LOC (State) <i>VA</i>	SAMPLER(S) NAME <i>W. S. Fick</i>	PHONE	FAX	AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (oil, solvent, etc.)	<i>TCL SVOCs                  TPH Heavy                  TCL VOCs                  TPH Light</i>	<input checked="" type="checkbox"/> STANDARD REPORT DELIVERY <input type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge) Date Due: _____	
CLIENT NAME <i>Malcolm Pirnie</i>		CLIENT PROJECT MANAGER					
CLIENT ADDRESS (CITY, STATE, ZIP)							

SAMPLE		SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS SUBMITTED				REMARKS						
DATE	TIME		AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (oil, solvent, etc.)							
<i>2/2/95</i>	<i>1455</i>	<i>5804-009-24</i>	X										
<i>2/4/95</i>	<i>1455</i>	<i>5804-009-63</i>	X										
<i>2/3/95</i>	<i>1350</i>	<i>5804-006-24</i>	X										
<i>2/2/95</i>	<i>1355</i>	<i>5804-006-63</i>	X										
<i>UPS No. 0561 274 119</i>  <i>4 4 4 4</i>													

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

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# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

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- 2846 Industrial Plaza Drive, Tallahassee, FL 32301
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 Phone (205) 666 6633 Fax: (205) 666-6606  
 Phone (813) 885 7427 Fax: (813) 885-7049  
 Phone (504) 764-1100 Fax: (504) 725-1163

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE <i>Fl. Story FTA</i>		PROJECT NO. <i>0245-508</i>	P.O. NUMBER <i>T.O. - 001</i>	MATRIX TYPE	REQUIRED ANALYSES					PAGE	OF
PROJECT LOC (State) <i>VA</i>	SAMPLER(S) NAME <i>N.F. Phelps</i>	PHONE	FAX	AQUEOUS (WATER) SOLID OR SEMISOLID AIR NON-AQUEOUS LIQUID (oil solvent, etc)	<i>TS VOCs TPH Heavy TPH Light TEL/VOCs</i>					<input checked="" type="checkbox"/> STANDARD REPORT DELIVERY <input type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge) Date Due: _____	
CLIENT NAME <i>Phelps Picnic</i>	CLIENT PROJECT MANAGER										
CLIENT ADDRESS (CITY, STATE, ZIP)				NUMBER OF CONTAINERS SUBMITTED					REMARKS		
SAMPLE		SAMPLE IDENTIFICATION									
DATE	TIME										
<i>2/7/95</i>	<i>11:15</i>	<i>ER04-SB-020795</i>			<input checked="" type="checkbox"/>	<i>2</i>	<i>2</i>	<i>3</i>	<i>3</i>	<i>Sample by Phelps</i>	
<i>2/7/95</i>	<i>1:00</i>	<i>TB04-020795</i>			<input checked="" type="checkbox"/>				<i>3</i>		
					<i>WPS No. 0561 2741 244</i>						
					<i>2 2 3 30</i>						
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)		DATE	TIME
<i>[Signature]</i>		<i>2/4</i>	<i>11:00</i>	<i>[Signature]</i>		<i>2/7/95</i>	<i>17:30</i>				
RECEIVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME
<i>[Signature]</i>				<i>[Signature]</i>							

RECEIVED FOR LABORATORY

LABORATORY REMARKS

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# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

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 Phone (305) 421-7400 Fax: (305) 421-2584  
 Phone (205) 666-6633 Fax: (205) 666-6686  
 Phone (813) 885-7427 Fax: (813) 885-7049  
 Phone (504) 764-1100 Fax: (504) 725-1163

PROJECT REFERENCE <i>FT. Story FTA</i>		PROJECT NO. <i>0715-508</i>	P.O. NUMBER <i>T. 2-001</i>	MATRIX TYPE	REQUIRED ANALYSES	PAGE	OF
PROJECT LOC. (State) <i>VA</i>	SAMPLER(S) NAME <i>W.F. Friedman</i>	PHONE <i>804-873-8700</i>	FAX <i>804-873-8723</i>	AQUEOUS (WATER) SOLID OR SEMISOLID AIR NON-AQUEOUS LIQUID (OIL, GREASE, ETC.)	<i>SVECS</i> <i>TPH L/LIT</i> <i>TCL INDCS</i> <i>TPH HWY</i>	<input checked="" type="checkbox"/> STANDARD REPORT DELIVERY <input type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge) Date Due: _____	
CLIENT NAME <i>Malcolm Pirnie</i>		CLIENT PROJECT MANAGER					
CLIENT ADDRESS (CITY, STATE, ZIP) <i>11352 Rock Landing Dr. AA VA 23606</i>							

SAMPLE		SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NON-AQUEOUS LIQUID (OIL, GREASE, ETC.)	NUMBER OF CONTAINERS SUBMITTED				REMARKS
DATE	TIME						1	2	3	4	
<i>2/6/95</i>	<i>1425</i>	<i>SB04-014-24</i>	<i>X</i>				<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	
<i>2/6/95</i>	<i>1440</i>	<i>SB04-014-68</i>	<i>X</i>				<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	
<i>2/6/95</i>	<i>1600</i>	<i>SB04-002-24</i>	<i>X</i>				<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	
<i>2/6/95</i>	<i>1605</i>	<i>SB04-002-68</i>	<i>X</i>				<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	
<i>UPS No. 0561 2741 253</i>											

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>2/24</i>	TIME <i>10:10</i>	RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>2/6/95</i>	TIME <i>1730</i>	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR: \_\_\_\_\_

LABORATORY: \_\_\_\_\_

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# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

- 5102 LaRoche Avenue, Savannah, GA 31404
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- Phone (813) 685 7427 Fax: (813) 885-7049
- Phone (504) 764-1100 Fax: (504) 725-1163

PROJECT REFERENCE: Fl. Story - FTA  
 PROJECT NO.: [REDACTED]  
 P.O. NUMBER: T.O. - 001

PROJECT LOC (State): VA SAMPLER(S) NAME: W. J. F... PHONE: [REDACTED]  
 CLIENT NAME: Melinda Pirnie PROJECT MANAGER: [REDACTED]  
 CLIENT ADDRESS (CITY, STATE, ZIP): [REDACTED]

MATRIX TYPE	REQUIRED ANALYSES						PAGE	OF
AQUEOUS (WATER)	/						STANDARD REPORT DELIVERY <input checked="" type="checkbox"/>	EXPEDITED REPORT DELIVERY (surcharge) <input type="checkbox"/>
SOLID OR SEMISOLID								
AIR								
NON-AQUEOUS LIQUID (or solvent, etc)								
NA	NA	NA	NA	NA	NA			
NA	NA	NA	NA	NA	NA			
NA	NA	NA	NA	NA	NA			
NA	NA	NA	NA	NA	NA			

SAMPLE DATE	TIME	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS SUBMITTED						REMARKS
			1	2	3	4	5	6	
2/7/95	1025	SB04-003-24	X	X	X	X			
2/7/95	1035	SB04-003-68	X	X	X	X			
2/7/95	1140	SB04-001-68	X	X	X	X	X	X	
2/7/95	1135	SB04-001-24	X	X	X	X	X	X	
			UPS No. 0561 2741 228						
			4	4	4	4	2	2	

RELINQUISHED BY: (SIGNATURE) <u>[Signature]</u>	DATE <u>2/24</u>	TIME <u>11:40</u>	RELINQUISHED BY: (SIGNATURE) <u>[Signature]</u>	DATE <u>2/7/95</u>	TIME <u>17:20</u>	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE) <u>[Signature]</u>	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR: [REDACTED] LABORATORY BEARING: [REDACTED]

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# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

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- 2846 Industrial Plaza Drive, Tallahassee, FL 32301
- 414 SW 12th Avenue, Deerfield Beach, FL 33442
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 Phone (504) 764-1100 Fax: (504) 725-1163

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE <b>Ft Story - FTA</b>		PROJECT NO. <b>0215-588</b>	P.O. NUMBER <b>W7 T-001 F-002</b>	MATRIX TYPE	REQUIRED ANALYSES						PAGE 1 OF 1		
PROJECT LOC. (State) <b>VA</b>	SAMPLER(S) NAME <b>W. FRIEDMAN</b>	PHONE <b>804-873-8700</b>	FAX <b>804-873-8723</b>	AQUEOUS (WATER) SOLID OR SEMISOLID AIR NON-AQUEOUS LIQUID (oil solvent, etc)	TPH LIGHT	TLC VOCs	TPH HEAVY	TEL SVOCs					<input checked="" type="checkbox"/> STANDARD REPORT DELIVERY <input type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge) Date Due: _____
CLIENT NAME <b>MALCOLM PIRNIE</b>		CLIENT PROJECT MANAGER <b>ANTHONY PAUL</b>			TPH LIGHT	TLC VOCs	TPH HEAVY	TEL SVOCs					
CLIENT ADDRESS (CITY, STATE, ZIP) <b>11830 ROCK LANDING DR., NEWPORT NEWS, VA 23606</b>					NA	NA	NA	NA					
SAMPLE		SAMPLE IDENTIFICATION		NUMBER OF CONTAINERS SUBMITTED						REMARKS			
DATE	TIME												
2/2/95	1100	SB04-021-24		X	1	1	1	1					
2/2/95	1110	SB04-021-68		X	1	1	1	1					
2/2/95	1540	SC04-022-24		X	1	1	1	1					
2/2/95	1540	SC04-220-24		X	1	1	1	1					
2/2/95	1553	SC04-022-68		X	1	1	1	1					
2/2/95	1553	SC04-220-68		X	1	1	1	1					
VPS April 11, 1995 0561 2741 351 6666													
RELINQUISHED BY: (SIGNATURE) <b>[Signature]</b>		DATE	TIME	RELINQUISHED BY: (SIGNATURE) <b>[Signature]</b>		DATE	TIME	RELINQUISHED BY: (SIGNATURE)		DATE	TIME		
RECEIVED BY: (SIGNATURE) <b>[Signature]</b>		DATE	TIME	RECEIVED BY: (SIGNATURE) <b>[Signature]</b>		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME		

RECEIVED FOR LABORATORY USE: \_\_\_\_\_ LABORATORY REMARKS: \_\_\_\_\_

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# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Serial Number **05416**

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 Phone (205) 666 6633 Fax (205) 666-6606  
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 Phone (504) 764 1100 Fax (504) 725-1163

PROJECT REFERENCE <i>Ft. Story - FTA</i>		PROJECT NO. <i>0200 583</i>	P.O. NUMBER <i>T-001</i>	MATRIX TYPE	REQUIRED ANALYSES	PAGE	OF
PROJECT LOC (State) <i>VA</i>	SAMPLER(S) NAME <i>W.F. Fichtman</i>	PHONE <i>804-873-9700</i>	FAX <i>804-873-9723</i>	STANDARD REPORT DELIVERY <input checked="" type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge) <input type="checkbox"/> Date Due: _____			
CLIENT NAME <i>Malcolm Pirnie</i>	CLIENT PROJECT MANAGER						
CLIENT ADDRESS (CITY STATE, ZIP) <i>11322 Rye Landing INN, VA 23606</i>							

SAMPLE		SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NUMBER OF CONTAINERS SUBMITTED							REMARKS	
DATE	TIME					TPH	Light	TCL	VOCs	TPH	Heavy	TCL		SVOCs
<i>2/2/95</i>	<i>1210</i>	<i>SB04-020-68</i>	<i>X</i>			<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>				
<i>2/2/95</i>	<i>1438</i>	<i>SB04-018-68</i>	<i>X</i>			<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>					
<i>2/2/95</i>	<i>1430</i>	<i>SB04-018-24</i>	<i>X</i>			<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>					
<i>2/2/95</i>	<i>1350</i>	<i>SB04-019-68</i>	<i>X</i>			<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>					
<i>2/2/95</i>	<i>1343</i>	<i>SB04-019-24</i>	<i>X</i>			<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>					
		<i>SB04-020-24</i>	<i>X</i>			<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>			<i>1</i>		
<i>UPS AIRBILL 0561 2741 075</i>														

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
CONTAINERS				<i>2/2/95</i>	<i>1730</i>			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
CONTAINERS								

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## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE FL 100 101		PROJECT NO. 0255-500	P.O. NUMBER T D 101	MATRIX TYPE	REQUIRED ANALYSES	PAGE 1 OF 1
PROJECT LOC. (State) Va	SAMPLER(S) NAME Tom Pace	PHONE (804) 593 5700	FAX (804) 593 5723	AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NON-AQUEOUS LIQUID (oil solvent etc) TCL VOCs / TPA / TCL SVCS / TPA HPAH / TCL CN / TEL VOCs		<input checked="" type="checkbox"/> STANDARD REPORT DELIVERY <input type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge)
CLIENT NAME MILKLINE IRMIE		CLIENT PROJECT MANAGER Tony Pace				
CLIENT ADDRESS (CITY, STATE, ZIP) Newport News, VA 23606						

SAMPLE		SAMPLE IDENTIFICATION	ACQUEOUS (WATER) / SOLID OR SEMISOLID	AIR	NON-AQUEOUS LIQUID (oil solvent etc)	NUMBER OF CONTAINERS SUBMITTED							REMARKS
DATE	TIME					1	2	3	4	5	6	7	
2/3/95	1200	5504-028-01	X			1	1	1	1				
2/3/95	1010	5504-027-01	X			1	1	1	1				
2/3/95	1020	5504-026-01	X			1	1	1	1				
2/15	1200	<B14-013-24	X			1	1	1	1				
2/15	1307	<B14-013-68	X			1	1	1	1				
2/15	1420	<B14-010-24	X			1	1	1	1	1			
						6	6	1	6	1			

RELINQUISHED BY: (SIGNATURE) CONTAINERS	DATE	TIME	RELINQUISHED BY: (SIGNATURE) M. Pace	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE) CONTAINERS	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED BY: [Signature]      LABORATORY NUMBER: [Blank]

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# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

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 Phone (504) 764 1100 Fax: (504) 725-1163

PROJECT REFERENCE <i>Fl. Soil FIA</i>		PROJECT NO. <i>0285-508</i>	P.O. NUMBER <i>T.O. - 001</i>	MATRIX TYPE	REQUIRED ANALYSES	PAGE	OF
PROJECT LOC. (State) <i>VA</i>	SAMPLER(S) NAME <i>A.K. Yae</i>	PHONE		AQUEOUS (WATER) SOLID OR SEMISOLID AIR NON-AQUEOUS LIQUID (oil solvent, etc.)	<i>TCL SVOCs</i> <i>TCL VOCs</i> <i>TPH HPAH</i> <i>TPH LPH</i>	<input checked="" type="checkbox"/> STANDARD REPORT DELIVERY <input type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge) Date Due: _____	
CLIENT NAME <i>Marilyn Pire</i>		CLIENT PROJECT MANAGER					
CLIENT ADDRESS (CITY, STATE, ZIP)							

SAMPLE		SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS SUBMITTED								REMARKS		
DATE	TIME		AQUEOUS (WATER) SOLID OR SEMISOLID	AIR	NON-AQUEOUS LIQUID (oil solvent, etc.)	1	2	3	4	5		6	7
<i>2/7/95</i>	<i>1125</i>	<i>SS04-025-01</i>	<i>X</i>		<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>					
<i>2/7/95</i>	<i>1020</i>	<i>SS04-420-01</i>	<i>X</i>		<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>					
<i>2/7/95</i>	<i>1020</i>	<i>SS04-024MS-01</i>	<i>X</i>		<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>					
<i>2/7/95</i>	<i>1020</i>	<i>SS04-024-01</i>	<i>X</i>		<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>					
<i>2/7/95</i>	<i>1045</i>	<i>SS04-023-01</i>	<i>X</i>		<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>					
<i>2/7/95</i>	<i>1420</i>	<i>SB04-008-68</i>	<i>X</i>		<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>					
<i>2/7/95</i>	<i>1350</i>	<i>SB04-008-24</i>	<i>X</i>		<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>					
<i>UPS No. 0561-2741-226</i>													

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>2/7/95</i>	TIME <i>1730</i>	RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>2/7/95</i>	TIME <i>1730</i>	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR: \_\_\_\_\_

LABORATORY REMARKS: \_\_\_\_\_

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# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

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PROJECT REFERENCE T1 FIA		PROJECT NO. 0255-50E	P.O. NUMBER T.O. 061	MATRIX TYPE	REQUIRED ANALYSES						PAGE 1 OF 1
PROJECT LOC. (State) VA	SAMPLER(S) NAME Tony Pace	PHONE (804) 873-8700 (804) 873-8723		AQUEOUS MATERIAL SOLID OR SEMISOLID NON-AQUEOUS LIQUID (oil solvent etc)	TCL VUCS	TCL SVUCS	TTH Light	TTH Heavy	TAL Metast./H <sub>2</sub>	TAL CN	STANDARD REPORT DELIVERY <input checked="" type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge) <input type="checkbox"/> Date Due: _____
CLIENT NAME MALCOLM FIRNIE		CLIENT PROJECT MANAGER TONY PACE			N/A	N/A	N/A	N/A	N/A	N/A	
CLIENT ADDRESS (CITY, STATE, ZIP) Newport News, VA 23606											

SAMPLE		SAMPLE IDENTIFICATION			NUMBER OF CONTAINERS SUBMITTED						REMARKS
DATE	TIME										
1/7/95	0755	SS04-001-01	X		1	1	1	1	1	1	
1/7/95	1000	SS04-002-01	X		1	1	1	1			
1/7/95	0745	SS04-003-01	X		1	1	1	1			
1/7/95	1120	SS04-008-01	X		1	1	1	1			
1/7/95	1130	SS04-009-01	X		1	1	1	1			
					5	5	5	5	2	2	

LF No. 0561-2741-235

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE 1/24	TIME 0:00	RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE 1/7/95	TIME 1730	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

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## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE <i>Fl. Story FTA</i>		PROJECT NO. <i>945-538</i>	P.O. NUMBER <i>T.O. - 001</i>	MATRIX TYPE	REQUIRED ANALYSES	PAGE	OF
PROJECT LOC (State) <i>VA</i>	SAMPLER(S) NAME <i>A.K. Yace</i>	PHONE <i>924-973-9722</i>	FAX <i>924-973-9723</i>	AQUEOUS (WATER) SOLID OR SEMISOLID AIR MONOQUEOUS LIQUID (e.g. solvent, etc.)	<i>TCL VOCs</i> <i>TPH L<sub>14</sub></i> <i>TCL SVOCs</i> <i>TPH Heavy</i> <i>TAL Metals</i> <i>TAL CN</i>	STANDARD REPORT DELIVERY <input checked="" type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge) <input type="checkbox"/> Date Due: _____	
CLIENT NAME <i>MARCO's PIRATE</i>		CLIENT PROJECT MANAGER					
CLIENT ADDRESS (CITY, STATE, ZIP) <i>11932 Rock Landing Dr. NN, VA 2306</i>							

SAMPLE		SAMPLE IDENTIFICATION	AQUEOUS (WATER) SOLID OR SEMISOLID	AIR	MONOQUEOUS LIQUID (e.g. solvent, etc.)	NUMBER OF CONTAINERS SUBMITTED										REMARKS	
DATE	TIME					1	2	3	4	5	6	7	8	9	10		11
<i>2/3/95</i>	<i>0910</i>	<i>5504-010-01</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<i>2/3/95</i>	<i>1335</i>	<i>5504-027-01</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<i>2/3/95</i>	<i>0915</i>	<i>5504-0606-01</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<i>2/3/95</i>	<i>0915</i>	<i>5504-600-01</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<i>2/3/95</i>	<i>0940</i>	<i>5504-005-01</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<i>2/3/95</i>	<i>0950</i>	<i>5504-004-01</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<i>VPS. No. 0561-2741-33</i> <i>6 6 6 6 2 2</i>																	

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR	LABORATORY REMARKS
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## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE <i>Fl. Story FTA</i>		PROJECT NO. <i>2285-530</i>	P.O. NUMBER <i>T.O. 202</i>	MATRIX TYPE	REQUIRED ANALYSES	PAGE	OF
PROJECT LOC (State) <i>VA</i>	SAMPLER(S) NAME <i>S.A. Bailey</i>	PHONE <i>804-873-8700</i>	FAX <i>804-872-8723</i>	AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (oil, solvent, etc.)	<i>TPH LIQ</i> <i>TPH HWY</i> <i>TCL VOCs</i> <i>TAL Metals (Ag)</i> <i>TCL SVOCs</i> <i>TAL CN</i>	<input checked="" type="checkbox"/> STANDARD REPORT DELIVERY <input type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge) Date Due: _____	
CLIENT NAME <i>Marathon Piping Inc.</i>		CLIENT PROJECT MANAGER					
CLIENT ADDRESS (CITY, STATE, ZIP) <i>11332 Rock Landing Dr. NW, VA 23606</i>							

SAMPLE		SAMPLE IDENTIFICATION			NUMBER OF CONTAINERS SUBMITTED							REMARKS
DATE	TIME											
<i>4/2/95</i>	<i>1125</i>	<i>5504-019MS-01</i>	<i>X</i>		<i>1</i>	<i>1</i>	<i>1</i>		<i>1</i>			
<i>2/2/95</i>	<i>1125</i>	<i>5504-019-01</i>	<i>X</i>		<i>1</i>	<i>1</i>	<i>1</i>		<i>1</i>			
<i>2/2/95</i>	<i>1110</i>	<i>5504-020-01</i>	<i>X</i>		<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>		
<i>2/2/95</i>	<i>1045</i>	<i>5504-022-01</i>	<i>X</i>		<i>1</i>	<i>1</i>	<i>1</i>		<i>1</i>			
<i>2/2/95</i>	<i>1055</i>	<i>5504-021-01</i>	<i>X</i>		<i>1</i>	<i>1</i>	<i>1</i>		<i>1</i>			
<i>UPS Airbill No. 0561 2741 057</i>  <i>5 5 5 1 5 1</i>												

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>2/2/95</i>	TIME <i>1730</i>	RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>2/2/95</i>	TIME <i>1730</i>	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR: _____	LABORATORY REMARKS: _____
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# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

- 5102 LaRoche Avenue, Savannah, GA 31404
- 2846 Industrial Plaza Drive, Tallahassee, FL 32301
- 414 SW 12th Avenue, Deerfield Beach, FL 33442
- 900 Lakeside Drive, Mobile, AL 36693
- 6712 Benjamin Road, Suite 100, Tampa, FL 33634
- 110 Alpha Drive, Destrehan, LA 70047

- Phone (912) 354 7858 Fax (912) 352-0165
- Phone (904) 878 3994 Fax (904) 878-9504
- Phone (305) 421 7400 Fax (305) 421-2584
- Phone (205) 666 6633 Fax (205) 666-6606
- Phone (813) 885 7427 Fax (813) 885-7049
- Phone (504) 764 1100 Fax (504) 725-1163

PROJECT REFERENCE <i>ft. study F7A</i>		PROJECT NO. <i>0285-588</i>	P.O. NUMBER <i>T.O. 012</i>	MATRIX TYPE	REQUIRED ANALYSES				PAGE/	OF/	
PROJECT LOC. (State) <i>VA</i>	SAMPLER(S) NAME <i>S.A. Bailey</i>		PHONE <i>804-873-3700</i>	AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (oil, solvent, etc.)	TPH Heavy TCL SVCS TPH Light TCL VCS	STANDARD REPORT DELIVERY <input type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge) <input type="checkbox"/> Date Due: _____					
CLIENT NAME <i>MALCO PUMP</i>		CLIENT PROJECT MANAGER <i>Anthony Pace</i>								CLIENT ADDRESS (CITY, STATE, ZIP) <i>11332 Rock LA/Dr. NN, VA 23606</i>	
SAMPLE		SAMPLE IDENTIFICATION			NUMBER OF CONTAINERS SUBMITTED				REMARKS		
DATE	TIME										
<i>2/2/95</i>	<i>1330</i>	<i>SS04-610A-01 (Project # EU362)</i>			<i>X</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>		
					<i>UPS Air bill No. 0561 2741 066</i>						
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)		DATE	TIME
<i>[Signature]</i>				<i>[Signature]</i>		<i>2/2/95</i>	<i>1730</i>				
RECEIVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME

RECEIVED FOR LABORATORY

LABORATORY REMARKS:

CLIENTS FIELD COPY





# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

- 5102 LaRoche Avenue, Savannah, GA 31404
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- Phone (305) 421 7400 Fax (305) 421 2584
- Phone (205) 666 6633 Fax (205) 666 6696
- Phone (813) 885 7427 Fax (813) 885 7049
- Phone (504) 764 1100 Fax (504) 725-1163

PROJECT REFERENCE 11/16/17		PROJECT NO. 0265-585	P.O. NUMBER T 0 001	MATRIX TYPE	REQUIRED ANALYSES					PAGE 1 OF
PROJECT LOC (State) VA	SAMPLER(S) NAME TONY PACE	PHONE (804) 873-5100	FAX (804) 873-5122	AQUEOUS (WATER) SOLID OR SEMISOLID AIR NON-AQUEOUS LIQUID (oil, solvent, etc)	TOL - VOL	TOL - HEAVY	TOL - MEDIUM	TOL - LIGHT	TOL - CN	STANDARD REPORT DELIVERY <input checked="" type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge) <input type="checkbox"/> Date Due:
CLIENT NAME PILGRIM LITERIE		CLIENT PROJECT MANAGER TONY PACE			NA	NA	NA	NA	NA	
CLIENT ADDRESS (CITY, STATE, ZIP) 1600 T NANT VA 23606										

SAMPLE		SL NO	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS SUBMITTED									REMARKS
DATE	TIME			AQ	S	AS	NA	NA	NA	NA	NA	NA	
11/16/17	1415		GW14-002	X				2	2	1	1	1	
11/16/17	1414		GW14-002 MS	X				2	2	1	1	1	
11/16/17	1414		GW14-002 MS1	X				2	2	1	1	1	
UTS NO 11/16/17 1415 1414 1414													

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			AK Pace	11/16/17	1700			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	LABORATORY LOG NO.	LABORATORY REMARKS:

CHAIN OF CUSTODY



# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

- 15402 LaRoche Avenue, Savannah, GA 31404
- 2846 Industrial Plaza Drive, Tallahassee, FL 32301
- 414 SW 12th Avenue, Deerfield Beach, FL 33442
- 900 Lakeside Drive, Mobile, AL 36693
- 6712 Benjamin Road, Suite 100, Tampa, FL 33634
- 110 Alpha Drive, Destrehan, LA 70047

- Phone (912) 354 7858 Fax (912) 352 0165
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- Phone (205) 666 6633 Fax (205) 666 6696
- Phone (813) 885 7427 Fax (813) 885 7049
- Phone (504) 764 1100 Fax (504) 725 1163

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE <b>F1. Story - F1A</b>		PROJECT NO. <b>0205-533</b>	P.O. NUMBER <b>7.0.-001</b>	MATRIX TYPE	REQUIRED ANALYSES	PAGE	OF
PROJECT LOC (State) <b>VA</b>	SAMPLER(S) NAME <b>S.A. Bailey</b>	PHONE	FAX	AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (oil, solvent, etc)	TCL VOCs TPH Light TCL SVOCs TPH Heavy TAL Metals-Total TAL Hg-Total TAL CN-Total	<input checked="" type="checkbox"/> STANDARD REPORT DELIVERY  <input type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge)	Date Due:
CLIENT NAME <b>Marston Pinnell</b>		CLIENT PROJECT MANAGER					
CLIENT ADDRESS (CITY, STATE, ZIP)							

SAMPLE		SL NO.	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS SUBMITTED										REMARKS			
DATE	TIME																
2/21/95	1000		GW04-007	X				3	3	2	2						
2/21/95	1000		GW04-007T	X								1	1	1			
2/21/95	1000		GW04-700	X				3	3	2	2						
2/21/95	1000		GW04-700T	X								1	1	1			
				UPS No. 0561 2743 153  6 6 4 4 2 2 2													

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RELINQUISHED BY (SIGNATURE)	DATE	TIME	RELINQUISHED BY (SIGNATURE)	DATE	TIME
			<i>[Signature]</i>	2/21/95	1730			
RECEIVED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME

**LABORATORY USE**

RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE	CUSTODY INTACT	CUSTODY	LOG NO.	LABORATORY REMARKS
		<input type="checkbox"/> YES <input type="checkbox"/> NO			

CLIENTS FIELD COPY

# BL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

- 5102 LaRoche Avenue, Savannah, GA 31404
- 2846 Industrial Plaza Drive, Tallahassee, FL 32301
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 Phone (504) 764 1100 Fax (504) 725-1163

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE: **FTA**  
 PROJECT NO.: **00957-533**  
 P.O. NUMBER: **T.O. - 001**

PROJECT LOC.: **DVA**  
 SAMPLER(S) NAME: **Solvy - LAR**

CLIENT NAME: **Atlantic Pirnie**  
 CLIENT PROJECT MANAGER: **[Redacted]**

CLIENT ADDRESS (CITY, STATE, ZIP): **[Redacted]**

MATRIX TYPE	REQUIRED ANALYSES
ACQUEOUS (WATER)	<input checked="" type="checkbox"/> STANDARD REPORT DELIVERY <input type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge)
SOLID OR SEMISOLID	
NONAQUEOUS LIQUID (oil solvent, etc)	
<b>TPH Heavy</b>	Date Due: _____
<b>TCL Solids</b>	
<b>TPH Light</b>	
<b>TPH Very Light</b>	
<b>TCL Volatiles</b>	
<b>TPH Diesel</b>	

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS SUBMITTED						REMARKS												
			ACQUEOUS (WATER)	SOLID OR SEMISOLID	NONAQUEOUS LIQUID (oil solvent, etc)	TPH Heavy	TCL Solids	TPH Light		TPH Very Light	TCL Volatiles	TPH Diesel									
<b>6/9/95</b>	<b>1520</b>	<b>GW04-011</b>	<b>X</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>												

UTS No. **0561 274/3 99**

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
<b>[Signature]</b>	<b>1/30</b>	<b>9:00</b>	<b>[Signature]</b>	<b>2/16</b>	<b>1730</b>	<b>[Signature]</b>		
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
<b>[Signature]</b>			<b>[Signature]</b>			<b>[Signature]</b>		

CONTAINER # \_\_\_\_\_

LABORATORY REMARKS: \_\_\_\_\_

CLIENTS FIELD COPY

# SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

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 Phone (504) 764 1100 Fax (504) 725-1163

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TEST REFERENCE <i>SP-11 FIA</i>	PROJECT NO. <i>0245-504</i>	P.O. NUMBER <i>7.0. - 001</i>	MATRIX TYPE	REQUIRED ANALYSES	PAGE   OF
TEST LOC <i>VA</i>	SAMPLER(S) NAME <i>Tim Pace</i>	PHONE <i>(54) 513-5900</i>	AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (oil, solvent, etc.)	TPH Light TEL SVOCs TPH Heavy VCL SVOCs	<input checked="" type="checkbox"/> STANDARD REPORT DELIVERY <input type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge)
CLIENT NAME <i>Malcolm Pirnie</i>	CLIENT PROJECT MANAGER <i>TONY IACE</i>	FAX <i>(54) 513-5900</i>			
ADDRESS (CITY, STATE, ZIP) <i>1111 NEW VA 23606</i>					

SAMPLE NO.	SL NO.	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS SUBMITTED				REMARKS
			1	2	3	4	
<i>1545</i>		<i>GW04-025</i>	<i>X</i>	<i>X</i>	<i>2</i>	<i>2</i>	
<i>1546</i>		<i>GW04-022295</i>	<i>X</i>		<i>3</i>		<i>Top 1/4"</i>
<i>1547</i>		<i>TB (W04-113)</i>	<i>X</i>		<i>3</i>	<i>1</i>	
<i>1548</i>		<i>1114</i>	<i>X</i>				
<b>TOTAL</b>					<i>16</i>	<i>4</i>	

UIS No 0561 274 174

RELINQUISHED BY (SIGNATURE) <i>AK Pace</i>	DATE <i>3/23/15</i>	TIME <i>1700</i>	RELINQUISHED BY (SIGNATURE)	DATE	TIME	RELINQUISHED BY (SIGNATURE)	DATE	TIME
RECEIVED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY	LABORATORY RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE	CHAIN OF CUSTODY INTACT <input type="checkbox"/> YES <input type="checkbox"/> NO	CUSTODY SEALS	LOG NO.	LABORATORY REMARKS
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CLIENTS FIELD COPY

Date March 23, 1995

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

COE PM Steve Cho

Project Fort Story LARC 60 Remedial Investigation

Job No. 0285-589

Contract # DACA31-94-D-0017, D.O. No. 24

Day	S	M	T	W	TH	F	S
					X		

Weather	Bright Sun	Clear X	Overcast	Rain	Snow
Temperature	< 32	32 - 50 X	50 - 70	70-85	>85
Wind	Still	Moderate	High X	Report No.  <b>34</b>	
Humidity	Dry	Moderate X	Humid		

### SUBCONTRACTORS ON-SITE:

Fishburne Drilling - To install groundwater monitoring wells

### EQUIPMENT ON SITE:

Fishburne Drilling - Truck-mounted drill rig

Malcolm Pirnie - Microtip PID

### WORK PERFORMED (INCLUDING SAMPLING):

Installed 3 monitoring wells including 6MW-1 (west side of LARC site), 6MW-2 (deep well adjacent to MW-117) and 6MW-3D (in concrete pad adjacent to sandbox).

Project Fort Story LARC 60 Remedial Investigation

Report No. 34

Job No. 0285-589

Date March 23, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

Calibration of field equipment

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D with breathing zone monitoring.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

Petroleum odor present from soil cuttings from 6MW-2 which is located downgradient of former UST. Cutting were containerized.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

Continue monitoring well installations.



Project Fort Story LARC 60 Remedial Investigation

Report No. 35

Job No. 0285-589

Date March 24, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

Calibration of field equipment

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D with breathing zone monitoring.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

No problems.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

No activities planned. Well development will begin about March 27th or 28th, 1995.

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

Date March 27, 1995

Day	S	M	T	W	TH	F	S
		X					

COE PM Steve Cho

Project Fort Story LARC 60 Remedial Investigation

Job No. 0285-589

Contract # DACA31-94-D-0017, D.O. No. 24

Weather	Bright Sun	Clear X	Overcast	Rain	Snow
Temperature	< 32	32 - 50	50 - 70 X	70-85	>85
Wind	Still	Moderate X	High	Report No.  36	
Humidity	Dry	Moderate X	Humid		

**SUBCONTRACTORS ON-SITE:**

Fishburne Drilling - To install and develop groundwater monitoring wells

**EQUIPMENT ON SITE:**

Fishburne Drilling - Truck-mounted drill rig and air compressor

Malcolm Pirnie - Microtip PID

**WORK PERFORMED (INCLUDING SAMPLING):**

Installed 1 monitoring well (6MW-4) in the wooded area north of the sandbox.

Project Fort Story LARC 60 Remedial Investigation

Report No. 36

Job No. 0285-589

Date March 27, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

Calibration of field equipment.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D with breathing zone monitoring.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

No problems.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

Initiate well development.



Project Fort Story LARC 60 Remedial Investigation

Report No. 37

Job No. 0285-589

Date March 28, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**


**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**


**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**


**SPECIAL NOTES:**


**TOMORROW'S EXPECTATIONS:**

Initiate well development.

Date March 29, 1995

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

Day	S	M	T	W	TH	F	S
				X			

COE PM Steve Cho

Project Fort Story LARC 60 Remedial Investigation

Job No. 0285-589

Contract # DACA31-94-D-0017, D.O. No. 24

Weather	Bright Sun	Clear X	Overcast	Rain	Snow
Temperature	< 32	32 - 50 X	50 - 70	70-85	>85
Wind	Still	Moderate X	High	Report No.  <b>38</b>	
Humidity	Dry	Moderate X	Humid		

### SUBCONTRACTORS ON-SITE:

Fishburne Drilling - To develop groundwater monitoring wells

### EQUIPMENT ON SITE:

Fishburne Drilling - Air compressor

Malcolm Pirnie - Microtip PID, YSI 33 S-C-T Meter, Orion pH Meter and Turbidity Meter

### WORK PERFORMED (INCLUDING SAMPLING):

Developed 5 monitoring wells including 6MW-4, MW-121, 6MW-3S, 6MW-3D and MW-115.

Project Fort Story LARC 60 Remedial Investigation

Report No. 38

Job No. 0285-589

Date March 29, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

Calibration of field equipment.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D with breathing zone monitoring.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

No problems.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

Continue well development.



Project Fort Story LARC 60 Remedial Investigation

Report No. 39

Job No. 0285-589

Date March 30, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

Calibration of field equipment.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D with breathing zone monitoring.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

No problems.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

No activities planned. Groundwater sampling scheduled for the week of April 10th.

Date March 31, 1995

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

Day	S	M	T	W	TH	F	S
						X	

COE PM Steve Cho  
Project Fort Story LARC 60 Remedial Investigation  
Job No. 0285-589  
Contract # DACA31-94-D-0017, D.O. No. 24

Weather	Bright Sun	Clear	Overcast	Rain	Snow
Temperature	< 32	32 - 50	50 - 70	70-85	>85
Wind	Still	Moderate	High	<b>Report No.</b>  <b>40</b>	
Humidity	Dry	Moderate	Humid		

**SUBCONTRACTORS ON-SITE:**

**EQUIPMENT ON SITE:**

**WORK PERFORMED (INCLUDING SAMPLING):**

No activities.

Project Fort Story LARC 60 Remedial Investigation

Report No. 40

Job No. 0285-589

Date March 31, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

No activities planned. Groundwater sampling scheduled for the week of April 10th.



Project Fort Story LARC 60 Remedial Investigation

Report No. 41

Job No. 0285-589

Date April 13, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

Calibration of all field equipment prior to use.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D with continuous breathing zone monitoring.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

No problems encountered.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

Complete monitoring well sampling.

Date April 14, 1995

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

COE PM Steve Cho

Project Fort Story LARC 60 Remedial Investigation

Job No. 0285-589

Contract # DACA31-94-D-0017, D.O. No. 24

Day	S	M	T	W	TH	F	S
						X	

Weather	Bright Sun	Clear X	Overcast	Rain	Snow
Temperature	< 32	32 - 50	50 - 70 X	70 - 85	> 85
Wind	Still	Moderate X	High	Report No.  42	
Humidity	Dry	Moderate X	Humid		

**SUBCONTRACTORS ON-SITE:**

**EQUIPMENT ON SITE:**

Groundwater monitoring well sampling equipment - Portable generator, submersible pump, disposable PVC and teflon bailers, Microtip PID, YSI 33 Conductivity/Temperature Meter, Orion pH meter, electronic water level indicator and turbidimeter.

**WORK PERFORMED (INCLUDING SAMPLING):**

Sampling of groundwater monitoring wells at the site. After purging of 3 to 5 volumes of water from the wells, the following wells were sampled:

6MW-1

6MW-3S

6MW-4

MW-115

MW-117

MW-118

Project Fort Story LARC 60 Remedial Investigation

Report No. 42

Job No. 0285-589

Date April 14, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

Calibration of all field equipment prior to use.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D with continuous breathing zone monitoring.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

No problems encountered.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

Tidal influence testing to be conducted but no schedule set.

By Anthony K. Pace

Title Senior Project Engineer

**AUTO CRAFT BUILDING AREA DQCRs**

Date January 30, 1995

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

Day	S	M	T	W	TH	F	S
		X					

COE PM Steve Cho

Project Fort Story Auto Craft Remedial Investigation

Job No. 0285-590

Contract # DACA31-94-D-0017, D.O. No. 20

Weather	Bright Sun	Clear	Overcast	Rain	Snow
				X	
Temperature	< 32	32 - 50	50 - 70	70-85	>85
		X			
Wind	Still	Moderate	High	Report No.  <b>1</b>	
		X			
Humidity	Dry	Moderate	Humid		
			X		

SUBCONTRACTORS ON-SITE: None

EQUIPMENT ON SITE: None

WORK PERFORMED (INCLUDING SAMPLING): Malcolm Pirnie personnel (Scott Bailey and Tony Pace) on site to mark all sampling points with stakes. Stakes were painted with different colors to distinguish between different types of sampling to be conducted at each point. Colors included:

- 1. Orange - Soil boring locations
- 2. White - Groundwater points by DPT
- 3. No color - Surface soil locations
- 4. Green - Piezocone/continuous core sample locations

Marked 6 soil boring locations.

Marked 5 DPT groundwater points.

Project Fort Story Auto Craft Remedial Investigation

Report No. 1

Job No. 0285-590

Date January 30, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

None required due to the type of field activities being performed.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D protection used (normal clothing with safety shoes).

No monitoring conducted due to the minimal intrusive activities conducted.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

One soil boring and DPT groundwater location will be located within a fenced area that is currently locked. Contacted Gary Longmeyer of Public Works who referred me to Sgt Fonseca of Post Headquarters to determine the status of the fenced area. Sgt Fonseca requested that I supply him with a copy of the Delivery Order so that he can authorize our entrance into the area which is now used as an impoundment area for vehicles. The Delivery Order was delivered to him for his files. He will provide an escort to us on the days we need to enter this area.

**SPECIAL NOTES:**

Utility clearances have yet to be conducted. Ticket from MISS UTILITY was obtained for this site on January 19, 1995. Fort Story personnel (Dale Hobbs from Public Works and Randy Lehto from Telephone Repair) pointed out water, sewer and telephone lines to Malcolm Pirnie personnel on January 23, 1995 but formal marking of lines has yet to be conducted.

**TOMORROW'S EXPECTATIONS:**

Initiate piezocone and continuous core sampling activities at the site.

By *Anthony K Pace*  
Anthony K. Pace

Title Senior Project Engineer



Project Fort Story Auto Craft Remedial Investigation

Report No. 2

Job No. 0285-590

Date January 31, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

Initiate piezocone installations.

By Anthony K Pace  
Anthony K Pace

Title Senior Project Engineer

Date February 1, 1995

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

Day	S	M	T	W	TH	F	S
				X			

COE PM Steve Cho

Project Fort Story Auto Craft Remedial Investigation

Job No. 0285-590

Contract # DACA31-94-D-0017, D.O. No. 24

Weather	Bright Sun X	Clear	Overcast	Rain	Snow
Temperature	< 32	32 - 50	50 - 70 X	70-85	>85
Wind	Still X	Moderate	High	Report No.  3	
Humidity	Dry X	Moderate	Humid		

### SUBCONTRACTORS ON-SITE:

Environmental Technology of North America, Inc. (ETI) to install piezocones.

### EQUIPMENT ON SITE:

ETI - DPT Trailer

Malcolm Pirnie - PID and PASSPORT for health and safety monitoring.

### WORK PERFORMED (INCLUDING SAMPLING):

1. Two areas for piezocones were cleared by hand auger.

2. One piezocone installed at this site.

Project Fort Story Auto Craft Remedial Investigation

Report No. 3

Job No. 0285-590

Date February 1, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

ETI set-up of piezone electronics.

Malcolm Pirnie calibrated field equipment listed above.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D utilized.

Continuous monitoring of breathing zone conducted during all intrusive activities.

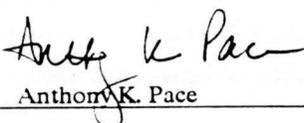
**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

No problems encountered.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

Collect one additional piezocone plus one continuous core sample.

By   
Anthony K. Pace

Title Senior Project Engineer

Date February 2, 1995

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

Day	S	M	T	W	TH	F	S
					X		

COE PM Steve Cho

Project Fort Story Auto Craft Remedial Investigation

Job No. 0285-590

Contract # DACA31-94-D-0017, D.O. No. 24

Weather	Bright Sun	Clear	Overcast	Rain	Snow
			X		
Temperature	< 32	32 - 50	50 - 70	70-85	>85
		X			
Wind	Still	Moderate	High	Report No.	
		X		4	
Humidity	Dry	Moderate	Humid		
		X			

### SUBCONTRACTORS ON-SITE:

Environmental Technology of North America, Inc. (ETI) to install piezocones.

### EQUIPMENT ON SITE:

ETI - DPT Trailer

Malcolm Pirnie - PID and PASSPORT for health and safety monitoring.

### WORK PERFORMED (INCLUDING SAMPLING):

One piezocone installed at this site plus one continuous core sample collected.

Project Fort Story Auto Craft Remedial Investigation

Report No. 4

Job No. 0285-590

Date February 2, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

ETI set-up of piezocone electronics.

Malcolm Pirnie calibrated field equipment listed above.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D utilized.

Continuous monitoring of breathing zone conducted during all intrusive activities.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

No problems encountered.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

No activities scheduled.

By *Anthony K. Pace*  
Anthony K. Pace

Title Senior Project Engineer

Date February 3, 1995

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

Day	S	M	T	W	TH	F	S
						X	

COE PM Steve Cho

Project Fort Story Auto Craft Remedial Investigation

Job No. 0285-590

Contract # DACA31-94-D-0017, D.O. No. 24

Weather	Bright Sun	Clear X	Overcast	Rain	Snow
Temperature	< 32	32 - 50 X	50 - 70	70-85	>85
Wind	Still	Moderate X	High	Report No.  5	
Humidity	Dry X	Moderate	Humid		

SUBCONTRACTORS ON-SITE: None

EQUIPMENT ON SITE: None

### WORK PERFORMED (INCLUDING SAMPLING):

No activities at this site.

Project Fort Story Auto Craft Remedial Investigation

Report No. 5

Job No. 0285-590

Date February 3, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**


**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**


**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**


**SPECIAL NOTES:**


**TOMORROW'S EXPECTATIONS:**

No activities scheduled.

By *Anthony K. Pace*  
Anthony K. Pace

Title Senior Project Engineer



Project Fort Story Auto Craft Remedial Investigation

Report No. 6

Job No. 0285-590

Date February 6, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

No activities scheduled.

By Anthony K. Pace

Title Senior Project Engineer

Date February 7, 1995

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

Day	S	M	T	W	TH	F	S
			X				

COE PM Steve Cho

Project Fort Story Auto Craft Remedial Investigation

Job No. 0285-590

Contract # DACA31-94-D-0017, D.O. No. 24

Weather	Bright Sun	Clear X	Overcast	Rain	Snow
Temperature	< 32	32 - 50 X	50 - 70	70-85	>85
Wind	Still	Moderate X	High	Report No.  7	
Humidity	Dry	Moderate X	Humid		

SUBCONTRACTORS ON-SITE: None

EQUIPMENT ON SITE: None

**WORK PERFORMED (INCLUDING SAMPLING):**

Collected surface soil samples at locations SS07-002 through SS07-006.

Project Fort Story Auto Craft Remedial Investigation

Report No. 7

Job No. 0285-590

Date February 7, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D activities.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

No problems encountered.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

Subsurface soil sampling will be initiated.

By Anthony K. Pace

Title Senior Project Engineer

Date February 8, 1995

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

Day	S	M	T	W	TH	F	S
				X			

COE PM - Steve Cho

Project Fort Story Auto Craft Remedial Investigation

Job No. 0285-590

Contract # DACA31-94-D-0017, D.O. No. 24

Weather	Bright Sun	Clear	Overcast	Rain	Snow
			X		
Temperature	< 32	32 - 50	50 - 70	70-85	>85
		X			
Wind	Still	Moderate	High	Report No.  8	
		X			
Humidity	Dry	Moderate	Humid		
			X		

**SUBCONTRACTORS ON-SITE:**

ETI to collect subsurface soil samples.

**EQUIPMENT ON SITE:**

ETI - DPT trailer

Malcolm Pirnie - Microtip PID and MSA PASSPORT

**WORK PERFORMED (INCLUDING SAMPLING):**

Collected subsurface soil samples at locations SB07-002 through SB07-004 and SB07-006.

Project Fort Story Auto Craft Remedial Investigation

Report No. 8

Job No. 0285-590

Date February 8, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

Calibration of all equipment.

Decontamination of all subsurface soil sampling equipment.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D activities with continuous breathing zone monitoring with PID and PASSPORT.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

No problems encountered.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

Subsurface soil sampling will be continued.

By Anthony K. Pace

Title Senior Project Engineer



Project Fort Story Auto Craft Remedial Investigation

Report No. 9

Job No. 0285-590

Date February 9, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

Calibration of all equipment.

Decontamination of all subsurface soil sampling equipment.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D activities with continuous breathing zone monitoring with PID and PASSPORT.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

No problems encountered.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

No activities scheduled.

By Anthony K. Pace

Title Senior Project Engineer

Date February 10, 1995

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

Day	S	M	T	W	TH	F	S
						X	

COE PM - Steve Cho

Project Fort Story Auto Craft Remedial Investigation

Job No. 0285-590

Contract # DACA31-94-D-0017, D.O. No. 24

Weather	Bright Sun	Clear <b>X</b>	Overcast	Rain	Snow
Temperature	< 32 <b>X</b>	32 - 50	50 - 70	70-85	>85
Wind	Still <b>X</b>	Moderate	High	Report No.  <b>10</b>	
Humidity	Dry <b>X</b>	Moderate	Humid		

**SUBCONTRACTORS ON-SITE:**

**EQUIPMENT ON SITE:**

**WORK PERFORMED (INCLUDING SAMPLING):**

No activities conducted.

Project Fort Story Auto Craft Remedial Investigation

Report No. 10

Job No. 0285-590

Date February 10, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

No activities scheduled.

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

Date February 13, 1995

Day	S	M	T	W	TH	F	S
		X					

COE PM - Steve Cho  
 Project Fort Story Auto Craft Remedial Investigation  
 Job No. 0285-590  
 Contract # DACA31-94-D-0017, D.O. No. 24

Weather	Bright Sun	Clear X	Overcast	Rain	Snow
Temperature	< 32 X	32 - 50	50 - 70	70-85	>85
Wind	Still	Moderate X	High	Report No.  <b>11</b>	
Humidity	Dry	Moderate X	Humid		

**SUBCONTRACTORS ON-SITE:**

**EQUIPMENT ON SITE:**

**WORK PERFORMED (INCLUDING SAMPLING):**

No activities conducted.

Project Fort Story Auto Craft Remedial Investigation

Report No. 11

Job No. 0285-590

Date February 13, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

No activities scheduled.

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

Date February 14, 1995

Day	S	M	T	W	TH	F	S
			X				

COE PM - Steve Cho  
 Project Fort Story Auto Craft Remedial Investigation  
 Job No. 0285-590  
 Contract # DACA31-94-D-0017, D.O. No. 24

Weather	Bright Sun	Clear	Overcast	Rain	Snow
			X		
Temperature	< 32	32 - 50	50 - 70	70-85	>85
		X			
Wind	Still	Moderate	High	Report No.  <b>12</b>	
		X			
Humidity	Dry	Moderate	Humid		
		X			

**SUBCONTRACTORS ON-SITE:**

**EQUIPMENT ON SITE:**

**WORK PERFORMED (INCLUDING SAMPLING):**

No activities conducted.

Project Fort Story Auto Craft Remedial Investigation

Report No. 12

Job No. 0285-590

Date February 14, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

No activities scheduled.



Project Fort Story Auto Craft Remedial Investigation

Report No. 13

Job No. 0285-590

Date February 15, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

No activities scheduled.

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

Date February 16, 1995

COE PM Steve Cho

Project Fort Story Auto Craft Remedial Investigation

Job No. 0285-590

Contract # DACA31-94-D-0017, D.O. No. 24

Day	S	M	T	W	TH	F	S
					X		

Weather	Bright Sun	Clear	Overcast	Rain	Snow
				X	
Temperature	< 32	32 - 50	50 - 70	70-85	>85
		X			
Wind	Still	Moderate	High	Report No.  <b>14</b>	
		X			
Humidity	Dry	Moderate	Humid		
		X			

**SUBCONTRACTORS ON-SITE:**

**EQUIPMENT ON SITE:**

**WORK PERFORMED (INCLUDING SAMPLING):**

No activities conducted.

Project Fort Story Auto Craft Remedial Investigation

Report No. 14

Job No. 0285-590

Date February 16, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

No activities scheduled.

By Anthony K. Pace

Title Senior Project Engineer

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

Date February 17, 1995

Day	S	M	T	W	TH	F	S
						X	

COE PM Steve Cho

Project Fort Story Auto Craft Remedial Investigation

Job No. 0285-590

Contract # DACA31-94-D-0017, D.O. No. 24

Weather	Bright Sun	Clear	Overcast	Rain	Snow
				X	
Temperature	< 32	32 - 50	50 - 70	70-85	>85
		X			
Wind	Still	Moderate	High	Report No.  <b>15</b>	
	X				
Humidity	Dry	Moderate	Humid		
			X		

**SUBCONTRACTORS ON-SITE:**

**EQUIPMENT ON SITE:**

**WORK PERFORMED (INCLUDING SAMPLING):**

No activities conducted.

Project Fort Story Auto Craft Remedial Investigation

Report No. 15

Job No. 0285-590

Date February 17, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

No activities scheduled.



Project Fort Story Auto Craft Remedial Investigation

Report No. 16

Job No. 0285-590

Date February 20, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

No activities scheduled.

By Anthony K. Pace

Title Senior Project Engineer



Project Fort Story Auto Craft Remedial Investigation

Report No. 17

Job No. 0285-590

Date February 21, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

No activities scheduled.

By Anthony K. Pace

Title Senior Project Engineer

Date February 22, 1995

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

COE PM Steve Cho

Project Fort Story Auto Craft Remedial Investigation

Job No. 0285-590

Contract # DACA31-94-D-0017, D.O. No. 24

Day	S	M	T	W	TH	F	S
				X			

Weather	Bright Sun	Clear X	Overcast	Rain	Snow
Temperature	< 32	32 - 50 X	50 - 70	70-85	>85
Wind	Still	Moderate X	High	Report No.  <b>18</b>	
Humidity	Dry X	Moderate	Humid		

**SUBCONTRACTORS ON-SITE:**

**EQUIPMENT ON SITE:**

**WORK PERFORMED (INCLUDING SAMPLING):**

No activities conducted.

Project Fort Story Auto Craft Remedial Investigation

Report No. 18

Job No. 0285-590

Date February 22, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

No activities scheduled.

By Anthony K. Pace

Title Senior Project Engineer

**SHEET 2 OF 2**



Project Fort Story Auto Craft Remedial Investigation

Report No. 19

Job No. 0285-590

Date February 23, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

Initiate groundwater sampling by DPT.

By Anthony K. Pace

Title Senior Project Engineer

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

Date February 24, 1995

Day	S	M	T	W	TH	F	S
						<b>X</b>	

COE PM - Steve Cho

Project Fort Story Auto Craft Remedial Investigation

Job No. 0285-590

Contract # DACA31-94-D-0017, D.O. No. 24

<b>Weather</b>	Bright Sun	Clear <b>X</b>	Overcast	Rain	Snow
<b>Temperature</b>	< 32	32 - 50	50 - 70 <b>X</b>	70-85	>85
<b>Wind</b>	Still	Moderate	High <b>X</b>	<b>Report No.</b>  <b>20</b>	
<b>Humidity</b>	Dry	Moderate <b>X</b>	Humid		

**SUBCONTRACTORS ON-SITE:**

ETI - To collect groundwater samples by DPT and conduct on-site laboratory analysis of VOC and TPH samples.

**EQUIPMENT ON SITE:**

ETI - DPT trailer

Malcolm Pirnie - Microtip HL-200, YSI conductivity/temperature meter and Orion pH meter.

**WORK PERFORMED (INCLUDING SAMPLING):**

Initiated groundwater sampling by direct push technology at the site. The following locations were sampled:

	GW07-002
	GW07-003
	GW07-004
	GW07-005

Analyzed above samples for select VOCs and TPH light at the on-site laboratory. Analysis indicated the following:

GW07-002	No VOCs or TPH detected.
GW07-003	No VOCs or TPH detected.
GW07-004	Vinyl chloride detected at approximately 9 ppb. No TPH detected.
GW07-005	Vinyl chloride detected but less than 8 ppb. No TPH detected.

Project Fort Story Auto Craft Remedial Investigation

Report No. 20

Job No. 0285-590

Date February 24, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

1. Calibrated all equipment used including Microtip PID, YSI and Orion meters.
2. Collected duplicate at GW07-002 for analysis by Savannah Labs.
3. Collected duplicate at GW07-005 for analysis by USACE NED Lab.
4. Collected equipment rinsate samples.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D activities with continuous PID readings in the breathing zone.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

Due to fine sands present at all sites, unable to collect filtered inorganic samples. Attempted overnight settling of water but no settling of fines occurring. Because of the push technique and water collected directly from the sampler (no purging of water conducted), fines are entering the annular through the sampler screen slots. Will be able to collect filtered inorganic samples from existing and to be installed permanent monitoring wells.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

Collect groundwater sample by DPT from one additional location.

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

COE PM Steve Cho  
 Project Fort Story Auto Craft Remedial Investigation  
 Job No. 0285-590  
 Contract # DACA31-94-D-0017, D.O. No. 24

Date February 27, 1995

Day	S	M	T	W	TH	F	S
		X					

Weather	Bright Sun	Clear	Overcast	Rain	Snow
		X		X	
Temperature	< 32	32 - 50	50 - 70	70-85	>85
		X			
Wind	Still	Moderate	High	Report No.  <b>21</b>	
		X			
Humidity	Dry	Moderate	Humid		
			X		

**SUBCONTRACTORS ON-SITE:**

ETI - To collect groundwater samples by DPT and conduct on-site laboratory analysis of VOC and TPH samples.

**EQUIPMENT ON SITE:**

ETI - DPT trailer  
 Malcolm Pirnie - Microtip HL-200, YSI conductivity/temperature meter and Orion pH meter.

**WORK PERFORMED (INCLUDING SAMPLING):**

Collected groundwater sample at GW07-001 and surface soil sample at SS07-001.

Analyzed above groundwater sample for select VOCs and TPH light at the on-site laboratory. Analysis indicated the following:

GW07-001      No VOCs or TPH detected.

Project Fort Story Auto Craft Remedial Investigation

Report No. 21

Job No. 0285-590

Date February 27, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

1. Calibrated all equipment used including Microtip PID, YSI and Orion meters.
2. Collected matrix spike/matrix spike duplicate at GW07-001 for analysis by Savannah Labs.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D activities with continuous PID readings in the breathing zone.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

No problems encountered.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

No activities scheduled.

By Anthony K. Pace

Title Senior Project Engineer

Date February 7, 1995

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

Day	S	M	T	W	TH	F	S
			X				

COE PM Steve Cho

Project Fort Story LARC 60 Remedial Investigation

Job No. 0285-589

Contract # DACA31-94-D-0017, D.O. No. 24

Weather	Bright Sun	Clear X	Overcast	Rain	Snow
Temperature	< 32	32 - 50 X	50 - 70	70-85	>85
Wind	Still	Moderate X	High	Report No.  7	
Humidity	Dry	Moderate X	Humid		

SUBCONTRACTORS ON-SITE: None

EQUIPMENT ON SITE: None

**WORK PERFORMED (INCLUDING SAMPLING):**

No activities at this site.

Project Fort Story LARC 60 Remedial Investigation

Report No. 7

Job No. 0285-589

Date February 7, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

Initiate surface soil sampling.

By Anthony K. Pace

Title Senior Project Engineer

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

COE PM Steve Cho  
 Project Fort Story LARC 60 Remedial Investigation  
 Job No. 0285-589  
 Contract # DACA31-94-D-0017, D.O. No. 24

Date February 8, 1995

Day	S	M	T	W	TH	F	S
				X			

Weather	Bright Sun	Clear	Overcast	Rain	Snow
					X
Temperature	< 32	32 - 50	50 - 70	70-85	>85
	X				
Wind	Still	Moderate	High	Report No.	
		X		8	
Humidity	Dry	Moderate	Humid		
			X		

SUBCONTRACTORS ON-SITE: None

EQUIPMENT ON SITE: None

**WORK PERFORMED (INCLUDING SAMPLING):**

Collected surface soil samples at locations SS06-001 through SS06-003.

Project Fort Story LARC 60 Remedial Investigation

Report No. 8

Job No. 0285-589

Date February 8, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

Collected equipment rinsate (ER06-SS-020895) of surface soil sampling equipment.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D activities.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

No problems encountered.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

Initiate piezocone installations and subsurface soil sampling at the site.

By Anthony K. Pace

Title Senior Project Engineer

SHEET 2 OF 2



Project Fort Story LARC 60 Remedial Investigation

Report No. 9

Job No. 0285-589

Date February 9, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D activities.

Breathing zone monitored with PID and PASSPORT.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

Core recovery was poor due to presence of fine-grained sand in the subsurface.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

Initiate subsurface soil sampling at the site.



Project Fort Story LARC 60 Remedial Investigation

Report No. 10

Job No. 0285-589

Date February 10, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

Decontamination of all sampling equipment and push rods.

Calibration of Microtip PID and MSA PASSPORT.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D activities.

Breathing zone monitored with PID and PASSPORT.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

Loose sand in the area of former UST and in sandbox will not allow for truck to pull the DPT trailer. Exploring option of using Fort Story personnel to pull DPT trailer with large loader located at Motor Pool. Sgt Tinney of Motor Pool will assist.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

Continue subsurface and surface soil sampling at the site.



Project Fort Story LARC 60 Remedial Investigation

Report No. 11

Job No. 0285-589

Date February 13, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

Decontamination of all sampling equipment and push rods.

Calibration of Microtip PID and MSA PASSPORT.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D activities.

Breathing zone monitored with PID and PASSPORT.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

DPT drill bits were unable to penetrate thick concrete pad and therefore, subsurface soil sampling was abandoned. Will subcontract concrete coring at the site to allow for soil and groundwater sampling through the concrete parking lot.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

Initiate concrete boring and continue soil sampling.

By Anthony K. Pace

Title Senior Project Engineer

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

Date February 14, 1995

COE PM Steve Cho

Project Fort Story LARC 60 Remedial Investigation

Job No. 0285-589

Contract # DACA31-94-D-0017, D.O. No. 24

Day	S	M	T	W	TH	F	S
			X				

Weather	Bright Sun	Clear	Overcast	Rain	Snow
			X		
Temperature	< 32	32 - 50	50 - 70	70-85	>85
		X			
Wind	Still	Moderate	High	Report No.  <b>12</b>	
		X			
Humidity	Dry	Moderate	Humid		
		X			

**SUBCONTRACTORS ON-SITE:**

ETI to collect subsurface soil samples.

**EQUIPMENT ON SITE:**

ETI - Trailer mounted push equipment.

Malcolm Pirnie - Microtip PID and MSA PASSPORT.

**WORK PERFORMED (INCLUDING SAMPLING):**

Collected surface soil samples at points 019 and 020.

Collected subsurface soil samples at points 002 and 004.

Project Fort Story LARC 60 Remedial Investigation

Report No. 12

Job No. 0285-589

Date February 14, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

Decontamination of all sampling equipment and push rods.

Calibration of Microtip PID and MSA PASSPORT.

Equipment rinsate samples taken from soil boring sampling equipment.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D activities.

Breathing zone monitored with PID and PASSPORT.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

No problems encountered.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

Initiate concrete boring and continue soil sampling.

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

Date February 15, 1995

COE PM Steve Cho  
 Project Fort Story LARC 60 Remedial Investigation  
 Job No. 0285-589  
 Contract # DACA31-94-D-0017, D.O. No. 24

Day	S	M	T	W	TH	F	S
				X			

<b>Weather</b>	Bright Sun	Clear	Overcast	Rain	Snow
				X	
<b>Temperature</b>	< 32	32 - 50	50 - 70	70-85	>85
		X			
<b>Wind</b>	Still	Moderate	High	<b>Report No. 13</b>	
		X			
<b>Humidity</b>	Dry	Moderate	Humid		
		X			

**SUBCONTRACTORS ON-SITE:**

**EQUIPMENT ON SITE:**

**WORK PERFORMED (INCLUDING SAMPLING):**

No activities conducted due to heavy rains.

Project Fort Story LARC 60 Remedial Investigation

Report No. 12

Job No. 0285-589

Date February 14, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

Initiate concrete boring.



Project Fort Story LARC 60 Remedial Investigation

Report No. 14

Job No. 0285-589

Date February 16, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

None

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D activities.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

Concrete boring equipment used did not provide enough torque to complete the concrete borings because the machine did not anchor to the concrete. A concrete cutting company will be contacted to come out and finish the remaining borings.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

No activities scheduled.



Project Fort Story LARC 60 Remedial Investigation

Report No. 12

Job No. 0285-589

Date February 14, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

No activities scheduled.

By Anthony K. Pace

Title Senior Project Engineer



Project Fort Story LARC 60 Remedial Investigation

Report No. 16

Job No. 0285-589

Date February 20, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

No activities scheduled.

By Anthony K. Pace

Title Senior Project Engineer



Project Fort Story LARC 60 Remedial Investigation

Report No. 17

Job No. 0285-589

Date February 21, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**


**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**


**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**


**SPECIAL NOTES:**


**TOMORROW'S EXPECTATIONS:**

No activities scheduled.



Project Fort Story LARC 60 Remedial Investigation

Report No. 18

Job No. 0285-589

Date February 22, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

None.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D for subcontractors.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

None

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

No activities scheduled.

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

Date February 23, 1995

COE PM - Steve Cho

Project Fort Story LARC 60 Remedial Investigation

Job No. 0285-589

Contract # DACA31-94-D-0017, D.O. No. 24

Day	S	M	T	W	TH	F	S
					X		

Weather	Bright Sun	Clear <b>X</b>	Overcast	Rain	Snow
	Temperature	< 32	32 - 50 <b>X</b>	50 - 70	70-85
Wind	Still	Moderate <b>X</b>	High	<b>Report No.</b>  <b>19</b>	
Humidity	Dry	Moderate <b>X</b>	Humid		

**SUBCONTRACTORS ON-SITE:**

**EQUIPMENT ON SITE:**

**WORK PERFORMED (INCLUDING SAMPLING):**

No activities.

Project Fort Story LARC 60 Remedial Investigation

Report No. 19

Job No. 0285-589

Date February 23, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

No activities scheduled.



Project Fort Story LARC 60 Remedial Investigation

Report No. 20

Job No. 0285-589

Date February 24, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

No activities scheduled.



Project Fort Story LARC 60 Remedial Investigation

Report No. 21

Job No. 0285-589

Date February 27, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**


**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**


**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**


**SPECIAL NOTES:**


**TOMORROW'S EXPECTATIONS:**

No activities scheduled.

By Anthony K. Pace

Title Senior Project Engineer



Project Fort Story LARC 60 Remedial Investigation

Report No. 22

Job No. 0285-589

Date February 28, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

Initiate groundwater sampling by DPT.

By Anthony K. Pace

Title Senior Project Engineer

Date March 1, 1995

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

Day	S	M	T	W	TH	F	S
				X			

COE PM Steve Cho  
 Project Fort Story LARC 60 Remedial Investigation  
 Job No. 0285-589  
 Contract # DACA31-94-D-0017, D.O. No. 24

Weather	Bright Sun	Clear	Overcast	Rain X	Snow
Temperature	< 32	32 - 50 X	50 - 70	70-85	>85
Wind	Still	Moderate	High X	Report No.  <b>23</b>	
Humidity	Dry	Moderate	Humid X		

**SUBCONTRACTORS ON-SITE:**

ETI - Groundwater sampling by DPT and on-site GC analysis

**EQUIPMENT ON SITE:**

ETI - DPT rig and GC laboratory  
 Malcolm Pirnie - Microtip PID, YSI Conductivity/Temperature Meter, Orion pH Meter

**WORK PERFORMED (INCLUDING SAMPLING):**

Collected groundwater samples by DPT at the following LARC 60 locations:	GW06-001
	GW06-002
	GW06-003
	GW06-005
Results of on-site GC analysis of above samples included:	GW06-001 VOCs/TPH - Not detected (ND)
	GW06-002 TCE - 44 ppb, PCE - 24 ppb/TPH - 12 ppm
	GW06-003 TCE - 175 ppb, PCE - 155 ppb, cis 1,2-DCE - 13 ppb/TPH - ND
	GW06-005 Vinyl chloride - less than 6 ppb/TPH - ND

Project Fort Story LARC 60 Remedial Investigation

Report No. 23

Job No. 0285-589

Date March 1, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

Calibration of all field equipment.

Equipment rinsate and duplicate samples collected for groundwater sampling.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D with continuous breathing zone monitoring.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

No problems encountered.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

Continue groundwater sampling by DPT.



Project Fort Story LARC 60 Remedial Investigation

Report No. 24

Job No. 0285-589

Date March 2, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

Calibration of all field equipment.

Duplicate samples collected.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D with continuous breathing zone monitoring.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

No problems encountered.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

Continue groundwater sampling by DPT.

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

Date March 3, 1995

Day	S	M	T	W	TH	F	S
						X	

COE PM Steve Cho  
 Project Fort Story LARC 60 Remedial Investigation  
 Job No. 0285-589  
 Contract # DACA31-94-D-0017, D.O. No. 24

Weather	Bright Sun	Clear X	Overcast	Rain	Snow
Temperature	< 32	32 - 50 X	50 - 70	70-85	>85
Wind	Still	Moderate X	High	Report No.  25	
Humidity	Dry X	Moderate	Humid		

**SUBCONTRACTORS ON-SITE:**

ETI - Groundwater sampling by DPT and on-site GC analysis

**EQUIPMENT ON SITE:**

ETI - DPT rig and GC laboratory

Malcolm Pirnie - Microtip PID, YSI Conductivity/Temperature Meter, Orion pH Meter

**WORK PERFORMED (INCLUDING SAMPLING):**

Collected groundwater samples by DPT at the following LARC 60 locations:

GW06-009	GW06-022
GW06-018	GW06-023
GW06-020	GW06-024
GW06-021	

Results of on-site GC analysis of above samples included:

GW06-009	Vinyl chloride - 11 ppb/TPH - ND
GW06-018	Vinyl chloride - 81 ppb/TPH - ND
GW06-020	Vinyl chloride - 24 ppb/TPH - ND
GW06-021	Vinyl chloride - 48 ppb/TPH - ND
GW06-022	Vinyl chloride - 18 ppb/TPH - ND
GW06-023	Vinyl chloride - 13 ppb/TPH - ND
GW06-024	Vinyl chloride - 24 ppb/TPH - ND

Project Fort Story LARC 60 Remedial Investigation

Report No. 25

Job No. 0285-589

Date March 3, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

Calibration of all field equipment.

Duplicate and rinsate samples collected.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D with continuous breathing zone monitoring.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

No problems encountered.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

Continue groundwater sampling by DPT.

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

Date March 6, 1995

Day	S	M	T	W	TH	F	S
		X					

COE PM Steve Cho  
 Project Fort Story LARC 60 Remedial Investigation  
 Job No. 0285-589  
 Contract # DACA31-94-D-0017, D.O. No. 24

Weather	Bright Sun	Clear	Overcast	Rain X	Snow
Temperature	< 32	32 - 50 X	50 - 70	70-85	>85
Wind	Still	Moderate X	High	Report No.  <b>26</b>	
Humidity	Dry	Moderate	Humid X		

**SUBCONTRACTORS ON-SITE:**

ETI - Groundwater sampling by DPT.

**EQUIPMENT ON SITE:**

ETI - DPT trailer

Malcolm Pirnie - Microtip PID, YSI Conductivity/Temperature Meter, Orion pH Meter

**WORK PERFORMED (INCLUDING SAMPLING):**

Collected groundwater samples by DPT at the following LARC 60 locations:

GW06-004
GW06-011
GW06-012
GW06-013
GW06-014

Project Fort Story LARC 60 Remedial Investigation

Report No. 26

Job No. 0285-589

Date March 6, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

Calibration of all field equipment.

Duplicate, MS/MSD and rinsate samples collected.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D with continuous breathing zone monitoring.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

No problems encountered.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

Continue groundwater sampling by DPT.

By Anthony K. Pace

Title Senior Project Engineer

**SHEET 2 OF 2**



Project Fort Story LARC 60 Remedial Investigation

Report No. 27

Job No. 0285-589

Date March 7, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

Calibration of all field equipment.

Rinsate samples collected.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D with continuous breathing zone monitoring.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

No problems encountered.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

Continuation of surface and subsurface soil sampling scheduled for March 13, 1995.

By Anthony K. Pace

Title Senior Project Engineer

SHEET 2 OF 2

Date March 13, 1995

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

Day	S	M	T	W	TH	F	S
		X					

COE PM Steve Cho  
Project Fort Story LARC 60 Remedial Investigation  
Job No. 0285-589  
Contract # DACA31-94-D-0017, D.O. No. 24

Weather	Bright Sun	Clear X	Overcast	Rain	Snow
Temperature	< 32	32 - 50 X	50 - 70	70-85	>85
Wind	Still X	Moderate	High	Report No.	
Humidity	Dry X	Moderate	Humid	28	

**SUBCONTRACTORS ON-SITE:**

**EQUIPMENT ON SITE:**

Malcolm Pirnie - Microtip PID

**WORK PERFORMED (INCLUDING SAMPLING):**

Collected surface and subsurface soil samples by hand auger at the following LARC 60 locations:

SB06-002-45
SB06-002-89
SS06-006-01
SB06-006-45
SS06-008-01
SB06-008-45
SS06-009-01
SB06-009-45
SS06-010-01
SB06-010-45

Project Fort Story LARC 60 Remedial Investigation

Report No. 28

Job No. 0285-589

Date March 13, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

Calibration of all field equipment.

Rinsate and duplicate samples collected.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D with continuous breathing zone monitoring.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

No problems encountered.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

Continuation of surface and subsurface soil sampling.



Project Fort Story LARC 60 Remedial Investigation

Report No. 29

Job No. 0285-589

Date March 14, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

Calibration of all field equipment.

Duplicate samples collected.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D with continuous breathing zone monitoring.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

No problems encountered.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

Continuation of surface and subsurface soil sampling.

Date March 15, 1995

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

Day	S	M	T	W	TH	F	S
				X			

COE PM Steve Cho

Project Fort Story LARC 60 Remedial Investigation

Job No. 0285-589

Contract # DACA31-94-D-0017, D.O. No. 24

Weather	Bright Sun	Clear	Overcast	Rain	Snow
			X		
Temperature	< 32	32 - 50	50 - 70	70-85	>85
			X		
Wind	Still	Moderate	High	Report No.  30	
		X			
Humidity	Dry	Moderate	Humid		
			X		

**SUBCONTRACTORS ON-SITE:**

**EQUIPMENT ON SITE:**

Malcolm Pirnie - Microtip PID

**WORK PERFORMED (INCLUDING SAMPLING):**

Collected surface and subsurface soil samples by hand auger at the following LARC 60 locations: SS06-007-01  
SB06-007-45  
SB06-020-45

Project Fort Story LARC 60 Remedial Investigation

Report No. 30

Job No. 0285-589

Date March 15, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

Calibration of all field equipment.

Duplicate samples collected.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D with continuous breathing zone monitoring.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

No problems encountered.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

No further activities scheduled until the week of March 20, 1995 when groundwater monitoring wells will be installed.

By Anthony K. Pace

Title Senior Project Engineer

Date March 20 - 22, 1995

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

Day	S	M	T	W	TH	F	S
	X	X	X				

COE PM Steve Cho

Project Fort Story LARC 60 Remedial Investigation

Job No. 0285-589

Contract # DACA31-94-D-0017, D.O. No. 24

Weather	Bright Sun	Clear	Overcast	Rain	Snow
Temperature	< 32	32 - 50	50 - 70	70-85	>85
Wind	Still	Moderate	High	<b>Report No.</b> <b>31 - 33</b>	
Humidity	Dry	Moderate	Humid		

**SUBCONTRACTORS ON-SITE:**

**EQUIPMENT ON SITE:**

**WORK PERFORMED (INCLUDING SAMPLING):**

No activities.

Project Fort Story LARC 60 Remedial Investigation

Report No. 31 - 33

Job No. 0285-589

Date March 20 - 22, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**


**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**


**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**


**SPECIAL NOTES:**


**TOMORROW'S EXPECTATIONS:**

Initiate monitoring well installations on Thursday, March 23, 1995.

Date February 23, 1995

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

Day	S	M	T	W	TH	F	S
					X		

COE PM - Steve Cho

Project Fort Story FTA Remedial Investigation

Job No. 0285-588

Contract # DACA31-94-D-0017, D.O. No. 17

Weather	Bright Sun	Clear X	Overcast	Rain	Snow
Temperature	< 32	32 - 50 X	50 - 70	70-85	>85
Wind	Still	Moderate X	High	Report No.  <b>19</b>	
Humidity	Dry	Moderate X	Humid		

<b>SUBCONTRACTORS ON-SITE:</b>
ETI - To collect groundwater samples by DPT and conduct on-site GC analysis of VOC and TPH samples
<b>EQUIPMENT ON SITE:</b>
ETI - DPT rig and laboratory GC and trailer
Malcolm Pirnie - Microtip HL-200 PID, YSI Temperature/Conductivity Meter and Orion pH Meter
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
1. Collected groundwater samples by DPT at Points 001, 002, 003, 004, 008 and 013.
2. Took VOC and TPH light samples to on-site GC lab for analysis. VOC GC is operating and ran all samples collected to date that were stored in the laboratory's refrigerator. On-site analysis results are as follows:
DPT Pt. 001      VOC/TPH - Not detected
DPT Pt. 002      Vinyl chloride - Less than 8 ppb/TPH - Not detected
DPT Pt. 003      Vinyl chloride - Less than 8 ppb/TPH - Not detected
DPT Pt. 004      Benzene - Less than 7 ppb/TPH - Not detected
DPT Pt. 005      VOC/TPH - Not detected
DPT Pt. 006      Vinyl chloride - Greater than 50 ppb and benzene - less than 10 ppb/TPH - 12 ppm
DPT Pt. 007      Vinyl chloride and TCE - 5 ppb/TPH - Not detected
DPT Pt. 008      VOC/TPH - Not detected
DPT Pt. 009      VOC/TPH - Not detected
DPT Pt. 010      VOC/TPH - Not detected
DPT Pt. 011      VOC/TPH - Not detected
DPT Pt. 012      VOC/TPH - Not detected
DPT Pt. 013      Vinyl chloride - 12 ppb/TPH - Not detected

Project Fort Story FTA Remedial Investigation

Report No. 19

Job No. 0285-588

Date February 23, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

1. Calibration of PID, YSI and Orion meters.
2. On-site GC lab going through their daily calibrations including blanks, standards and equipment rinsates.
3. Equipment rinsates, MS/MSD and duplicates of DPT groundwater samples collected.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D activities with continuous breathing zone monitoring.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

None

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

No activities scheduled.

By Anthony K. Pace

Title Senior Project Engineer



Project Fort Story FTA Remedial Investigation

Report No. 20

Job No. 0285-588

Date February 24, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

Continue groundwater sampling by DPT.

By Anthony K. Pace

Title Senior Project Engineer



Project Fort Story FTA Remedial Investigation

Report No. 21

Job No. 0285-588

Date February 27, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

1. Calibration of all field equipment.
2. Collection of equipment rinsate sample for groundwater bailer.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D with continuous monitoring of breathing zone with PID.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

No problems encountered.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

Continue groundwater sampling by DPT.



Project Fort Story FTA Remedial Investigation

Report No. 22

Job No. 0285-588

Date February 28, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

1. Calibration of all field equipment.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D with continuous monitoring of breathing zone with PID.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

No problems encountered.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

Continue groundwater sampling by DPT.

By Anthony K. Pace

Title Senior Project Engineer



Project Fort Story FTA Remedial Investigation

Report No. 23

Job No. 0285-588

Date March 1, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

1. Calibration of all field equipment.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D with continuous monitoring of breathing zone with PID.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

No problems encountered.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

No activities scheduled.



Project Fort Story FTA Remedial Investigation

Report No. 24

Job No. 0285-588

Date March 2, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

No activities scheduled.

By Anthony K. Pace

Title Senior Project Engineer



Project Fort Story FTA Remedial Investigation

Report No. 25

Job No. 0285-588

Date March 3, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

No activities scheduled.

By Anthony K. Pace

Title Senior Project Engineer

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

COE PM Steve Cho  
 Project Fort Story FTA Remedial Investigation  
 Job No. 0285-588  
 Contract # DACA31-94-D-0017, D.O. No. 17

Date March 7, 1995

Day	S	M	T	W	TH	F	S
			X				

Weather	Bright Sun	Clear	Overcast	Rain X	Snow
Temperature	< 32	32 - 50 X	50 - 70	70-85	>85
Wind	Still	Moderate X	High	Report No.  26	
Humidity	Dry	Moderate	Humid X		

**SUBCONTRACTORS ON-SITE:**

ETI - To collect groundwater sample by DPT

**EQUIPMENT ON SITE:**

ETI - DPT trailer

Malcolm Pirnie - Microtip PID, YSI Conductivity/Temperature Meter and Orion pH Meter

**WORK PERFORMED (INCLUDING SAMPLING):**

Groundwater sample collected at GW04-018 located east of former fire pit. Samples submitted to Savannah Lab for analysis.

Project Fort Story FTA Remedial Investigation

Report No. 26

Job No. 0285-588

Date March 7, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

Calibration of field equipment.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D with breathing zone monitoring with PID.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

No problems.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

No activities scheduled through March 17, 1995.

By Anthony K. Pace

Title Senior Project Engineer







Project Fort Story FTA Remedial Investigation

Report No. 28

Job No. 0285-588

Date March 21, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

Calibration of field equipment.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D with breathing zone monitoring with PID.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

No problems.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

Continue well installations at the FTA site.

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

COE PM Steve Cho  
 Project Fort Story FTA Remedial Investigation  
 Job No. 0285-588  
 Contract # DACA31-94-D-0017, D.O. No. 17

Date March 22, 1995

Day	S	M	T	W	TH	F	S
				X			

<b>Weather</b>	Bright Sun	Clear X	Overcast	Rain	Snow
<b>Temperature</b>	< 32	32 - 50 X	50 - 70	70-85	>85
<b>Wind</b>	Still	Moderate X	High	<b>Report No.</b>	
<b>Humidity</b>	Dry X	Moderate	Humid	<b>29</b>	

**SUBCONTRACTORS ON-SITE:**

Fishburne Drilling, Inc. - To install groundwater monitoring wells

**EQUIPMENT ON SITE:**

Fishburne Drilling - Truck mounted drill rig

Malcolm Pirnie - Microtup PID

**WORK PERFORMED (INCLUDING SAMPLING):**

Installed 2 monitoring wells at the FTA site including 4MW-3 (south of the former fire pit) and 4MW-1 (background well on northern edge of the site).

Project Fort Story FTA Remedial Investigation

Report No. 29

Job No. 0285-588

Date March 22, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

Calibration of field equipment:

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D with breathing zone monitoring with PID.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

No problems.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

No activities scheduled. An additional well will be installed in the wooded area south of the site by an ATV rig on Friday, March 25th or Monday, March 26th. Well development is scheduled to begin on Friday, March 25th.

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

COE PM Steve Cho

Project Fort Story FTA Remedial Investigation

Job No. 0285-588

Contract # DACA31-94-D-0017, D.O. No. 17

Date March 23, 1995

Day	S	M	T	W	TH	F	S
					X		

Weather	Bright Sun	Clear	Overcast	Rain	Snow
Temperature	< 32	32 - 50	50 - 70	70-85	>85
Wind	Still	Moderate	High	<b>Report No.</b>  <b>30</b>	
Humidity	Dry	Moderate	Humid		

**SUBCONTRACTORS ON-SITE:**

**EQUIPMENT ON SITE:**

**WORK PERFORMED (INCLUDING SAMPLING):**

No activities.



# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

COE PM Steve Cho  
 Project Fort Story FTA Remedial Investigation  
 Job No. 0285-588  
 Contract # DACA31-94-D-0017, D.O. No. 17

Date March 24, 1995

Day	S	M	T	W	TH	F	S
						X	

Weather	Bright Sun	Clear X	Overcast	Rain	Snow
Temperature	< 32	32 - 50 X	50 - 70	70-85	>85
Wind	Still X	Moderate	High	<b>Report No.</b>  <b>31</b>	
Humidity	Dry X	Moderate	Humid		

**SUBCONTRACTORS ON-SITE:**

Fishburne Drilling, Inc. - To development groundwater monitoring wells.

**EQUIPMENT ON SITE:**

Fishburne Drilling - Air compressor

Malcolm Pirnie - Microtip PID, YSI 33 S-C-T Meter, pH meter and turbidity meter.

**WORK PERFORMED (INCLUDING SAMPLING):**

Developed 4 monitoring wells including 4MW-5, 4MW-2S, 4MW-2D and MW-112.

Project Fort Story FTA Remedial Investigation

Report No. 31

Job No. 0285-588

Date March 24, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

Calibration of field equipment.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D with breathing zone monitoring with PID.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

No problems.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

Install one additional well in the wooded area south of the site and continue well development.

Date March 27, 1995

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

COE PM Steve Cho  
Project Fort Story FTA Remedial Investigation  
Job No. 0285-588  
Contract # DACA31-94-D-0017, D.O. No. 17

Day	S	M	T	W	TH	F	S
		X					

Weather	Bright Sun	Clear X	Overcast	Rain	Snow
Temperature	< 32	32 - 50	50 - 70 X	70-85	>85
Wind	Still	Moderate X	High	Report No.  32	
Humidity	Dry	Moderate X	Humid		

### SUBCONTRACTORS ON-SITE:

Fishburne Drilling, Inc. - To install and develop groundwater monitoring wells.

### EQUIPMENT ON SITE:

Fishburne Drilling - Air compressor

Malcolm Pirnie - Microtip PID, YSI 33 S-C-T Meter, pH meter and turbidity meter.

### WORK PERFORMED (INCLUDING SAMPLING):

Installed one monitoring well (4MW-4) in the wooded area south of the site.

Developed 2 monitoring wells including 4MW-3 and MW-111.

Project Fort Story FTA Remedial Investigation

Report No. 32

Job No. 0285-588

Date March 27, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

Calibration of field equipment

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D with breathing zone monitoring with PID.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

No problems.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

Continue well development.



Project Fort Story FTA Remedial Investigation

Report No. 33

Job No. 0285-588

Date March 28, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

Calibration of field equipment.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D with breathing zone monitoring with PID.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

No problems.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

No activities planned. Will initiate groundwater sampling activities the week of April 10th to allow for the 14-day period after development before sampling.



Project Fort Story FTA Remedial Investigation

Report No. 34 - 36

Job No. 0285-588

Date March 29 - 31, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

s/re

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

No activities planned. Will initiate groundwater sampling activities the week of April 10th to allow for the 14-day period after development before sampling.

By Anthony K. Pace

Title Senior Project Engineer



Project Fort Story FTA Remedial Investigation

Report No. 37

Job No. 0285-588

Date April 12, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

Calibration of all field equipment prior to use.

Collection of duplicate sample at MW-112.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D with continuous breathing zone monitoring.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

No problems encountered.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

Complete groundwater sampling at FTA.

By Anthony K. Pace

Title Senior Project Engineer

Date April 13, 1995

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

Day	S	M	T	W	TH	F	S
					X		

COE PM Steve Cho  
Project Fort Story FTA Remedial Investigation  
Job No. 0285-588  
Contract # DACA31-94-D-0017, D.O. No. 17

Weather	Bright Sun	Clear X	Overcast	Rain	Snow
Temperature	< 32	32 - 50	50 - 70 X	70-85	>85
Wind	Still X	Moderate	High	Report No.  38	
Humidity	Dry X	Moderate	Humid		

**SUBCONTRACTORS ON-SITE:**

**EQUIPMENT ON SITE:**

Groundwater monitoring well sampling equipment - Portable generator, submersible pump, disposable PVC and teflon bailers, Microtip PID, YSI 33 Conductivity/Temperature Meter, Orion pH meter, electronic water level indicator and turbidimeter.

**WORK PERFORMED (INCLUDING SAMPLING):**

Sampling of groundwater monitoring wells at FTA site. After purging of 3 to 5 volumes of water from the wells, the following wells were sampled:

- 4MW-1
- 4MW-4
- MW-113A

Project Fort Story FTA Remedial Investigation

Report No. 38

Job No. 0285-588

Date April 13, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

Calibration of all field equipment prior to use.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D with continuous breathing zone monitoring.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

No problems encountered.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

Tidal influence testing will be conducted but no schedule has been set.

**LARC 60 MAINTENANCE AREA DQCRs**



Project Fort Story LARC 60 Remedial Investigation

Report No. 1

Job No. 0285-589

Date January 30, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

None required due to the type of field activities being performed.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D protection used (normal clothing with safety shoes).

No monitoring conducted due to the minimal intrusive activities conducted.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

Contacted Mr. Tinney in the Motor Pool to discuss the possibilities of use of one of the large loaders at the Motor Pool. Because of the presence of loose sand in the sandbox area, the truck that pulls the DPT trailer will not be able to perform these services. He said that the request should be made to him approximately 2 days prior to the need for the loader and that one would be provided to us for our use for pulling the DPT trailer.

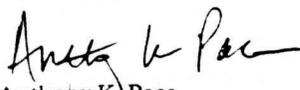
**SPECIAL NOTES:**

Utility clearances have yet to be conducted. Ticket from MISS UTILITY was obtained for this site on January 19, 1995. Fort Story personnel (Dale Hobbs from Public Works and Randy Lehto from Telephone Repair) pointed out water, sewer and telephone lines to Malcolm Pirnie personnel on January 23, 1995 but formal marking of lines has yet to be conducted.

**TOMORROW'S EXPECTATIONS:**

Initiate piezocone and continuous core sampling activities at the site.

Initiate sediment and surface water sampling.

By   
Anthony K. Pace

Title Senior Project Engineer

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

Date January 31, 1995

Day	S	M	T	W	TH	F	S
			X				

COE PM Steve Cho

Project Fort Story LARC 60 Remedial Investigation

Job No. 0285-589

Contract # DACA31-94-D-0017, D.O. No. 24

<b>Weather</b>	Bright Sun X	Clear	Overcast	Rain	Snow
<b>Temperature</b>	< 32	32 - 50 X	50 - 70	70-85	>85
<b>Wind</b>	Still	Moderate X	High	<b>Report No.</b>  <b>2</b>	
<b>Humidity</b>	Dry	Moderate X	Humid		

**SUBCONTRACTORS ON-SITE:** None

**EQUIPMENT ON SITE:** None

**WORK PERFORMED (INCLUDING SAMPLING):**

No activities at this site.





Project Fort Story LARC 60 Remedial Investigation

Report No. 3

Job No. 0285-589

Date February 1, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

ETI set-up of piezone electronics.

Malcolm Pirnie calibrated field equipment listed above. MS/MSD collected at one sediment point.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Level D utilized.

Continuous monitoring of breathing zone conducted during all intrusive activities.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

No problems encountered.

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

No activities scheduled.

By *Anthony K. Pace*  
Anthony K. Pace

Title Senior Project Engineer

# MALCOLM PIRNIE, INC. DAILY QUALITY CONTROL REPORT

COE PM Steve Cho

Project Fort Story LARC 60 Remedial Investigation

Job No. 0285-589

Contract # DACA31-94-D-0017, D.O. No. 24

Date February 2, 1995

Day	S	M	T	W	TH	F	S
					X		

Weather	Bright Sun	Clear	Overcast X	Rain	Snow
Temperature	< 32	32 - 50 X	50 - 70	70-85	>85
Wind	Still	Moderate X	High	Report No.  <b>4</b>	
Humidity	Dry	Moderate X	Humid		

**SUBCONTRACTORS ON-SITE:** None

**EQUIPMENT ON SITE:** None

**WORK PERFORMED (INCLUDING SAMPLING):**

No activities at this site.

Project Fort Story LARC 60 Remedial Investigation

Report No. 4

Job No. 0285-589

Date February 2, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

No activities scheduled.

By *Anthony K. Pace*  
Anthony K. Pace

Title Senior Project Engineer



Project Fort Story LARC 60 Remedial Investigation

Report No. 5

Job No. 0285-589

Date February 3, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

**SPECIAL NOTES:**

**TOMORROW'S EXPECTATIONS:**

No activities scheduled.

By *Anthony K. Pace*  
Anthony K. Pace

Title Senior Project Engineer



Project Fort Story LARC 60 Remedial Investigation

Report No. 6

Job No. 0285-589

Date February 6, 1995

**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**

Blank lined area for Quality Control Activities.

**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

Blank lined area for Health and Safety Levels and Activities.

**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**

Blank lined area for Problems Encountered/Corrective Action Taken.

**SPECIAL NOTES:**

Blank lined area for Special Notes.

**TOMORROW'S EXPECTATIONS:**

No activities scheduled.  
Blank lined area for Tomorrow's Expectations.

By Anthony K. Pace

Title Senior Project Engineer

# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

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 Phone (813) 885 7427 Fax (813) 885-7049  
 Phone (504) 764-1100 Fax (504) 725-1163

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE		PROJECT NO.	PO NUMBER	MATRIX TYPE	REQUIRED ANALYSES								PAGE 1 OF					
PROJECT LOC (State)		SAMPLER(s) NAME	PHONE	AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (oil, solvent, etc)	TOL	VOL	TEL	LIGHT	TEL	HEAVY	TOL	VOL	TEL	HEAVY	TEL	HR	TEL	ON
CLIENT NAME		CLIENT PROJECT MANAGER	FAX		HCL	HCL	NA	NA	Nitro	Nit	Nit	Oil						
CLIENT ADDRESS (CITY, STATE, ZIP)				<input checked="" type="checkbox"/> STANDARD REPORT DELIVERY <input type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge) Date Due: _____														
SAMPLE		SAMPLE IDENTIFICATION			NUMBER OF CONTAINERS SUBMITTED								REMARKS					
DATE	TIME	SL NO.			X													
11/15			GW04 - 008		X			3	3	2	2							
11/15			PR04 - GL - 022395		X			3	3									
11/15			GW04 - 008T		X							1	1	1				
11/15			TP04 CW - 022395		X			3										
11/15			GW04 - 014		X			3	3	2	2							
			T.M.M.					12	9	4	4	1	1	1				

### LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	CONTACT	CUSTODY	LOG NO.	LABORATORY REMARKS:

CLIENTS FIELD COPY

# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

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## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE 11-11-11A		PROJECT NO. 0285-588	P.O. NUMBER TO 001	MATRIX TYPE	REQUIRED ANALYSES						PAGE 1	OF
PROJECT LOC (State) VA	SAMPLER(S) NAME TONY FACE	PHONE (804) 573 5700	FAX (804) 573 5723	AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (oil, solvent, etc.)	TEL WVT	TEL LIGHT	TEL HEAVY	TEL SWAMP	TEL H <sub>2</sub> O	TEL CN	STANDARD REPORT DELIVERY <input checked="" type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge) <input type="checkbox"/> Date Due: _____	
CLIENT NAME PILYUM IINIE		CLIENT PROJECT MANAGER TONY FACE			TEL WVT	TEL LIGHT	TEL HEAVY	TEL SWAMP	TEL H <sub>2</sub> O	TEL CN		
CLIENT ADDRESS (CITY, STATE, ZIP) Newport News VA 23606												

SAMPLE		SL NO.	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS SUBMITTED										REMARKS		
DATE	TIME			HL	HL	MA										
11/11/11			GW104-013	X			3	3	2	2						
11/11/11			GW104-001	X			3	3	2	2						
11/11/11			GW104-011	X							1	1	1			
11/11/11			TEL4-GW2-022375	X			2									
11/11/11			GW104-009	X			3	3								
11/11/11			GW104-002MS	X			3	3								
11/11/11			GW104-002MSD	X			3	3								
WVT No. 1011 11/11/11																

RELINQUISHED BY: (SIGNATURE) MK POCK	DATE 11/11/11	TIME 1700	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	LABORATORY USE	CUSTOMER CONTACT	CUSTODY	ALLOQ NO.	LABORATORY REMARKS:
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CLIENTS FIELD COPY

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 Phone (813) 885 7427 Fax (813) 885-7049  
 Phone (504) 764 1100 Fax (504) 725-1163

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE <i>Ft. Story - FTA</i>		PROJECT NO. <i>0205-534</i>	PO NUMBER <i>T.O. - 021</i>	MATRIX TYPE	REQUIRED ANALYSES	PAGE 1 OF 2
PROJECT LOC (State) <i>VA</i>	SAMPLER(S) NAME <i>S.A. Bailey</i>	PHONE	FAX	AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (w/ solvent, etc.)	<i>TPH Light</i> <i>TCL VOCs</i> <i>TCL SVOCs</i> <i>TPH Analy</i>	<input checked="" type="checkbox"/> STANDARD REPORT DELIVERY <input type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge) Date Due: _____
CLIENT NAME <i>Malcolm Pirnie</i>	CLIENT PROJECT MANAGER					
CLIENT ADDRESS (CITY, STATE, ZIP)						

SAMPLE DATE	TIME	SL NO.	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS SUBMITTED				REMARKS	
				AQUEOUS	SOLID	AIR	NONAQUEOUS		
<i>2/21/95</i>	<i>1030</i>		<i>6204-012</i>	<i>X</i>	<i>3</i>	<i>3</i>	<i>2</i>	<i>2</i>	
					<i>3</i>	<i>3</i>	<i>2</i>	<i>2</i>	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			<i>see 2/2 No. 00334</i>					
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT <input type="checkbox"/> YES <input type="checkbox"/> NO	CUSTODY #	SL LOG NO.	LABORATORY REMARKS:
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CLIENTS FIELD COPY

# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

- 5102 LaRoche Avenue, Savannah, GA 31404
- 2846 Industrial Plaza Drive, Tallahassee, FL 32301
- 414 SW 12th Avenue, Deerfield Beach, FL 33442
- 900 Lakeside Drive, Mobile, AL 36693
- 6712 Benjamin Road, Suite 100, Tampa, FL 33634
- 110 Alpha Drive, Destrehan, LA 70047

- Phone (912) 354 7858 Fax (912) 352-0165
- Phone (904) 878 3994 Fax (904) 878-9504
- Phone (305) 421 7400 Fax (305) 421-2584
- Phone (205) 666 6633 Fax (205) 666-6606
- Phone (813) 885 7427 Fax (813) 885-7049
- Phone (504) 764 1100 Fax (504) 725-1163

PROJECT REFERENCE <i>Fl. Ship - FTA</i>		PROJECT NO. <i>0706593</i>	P.O. NUMBER <i>1.0.-001</i>	MATRIX TYPE	REQUIRED ANALYSES				PAGE	OF	
PROJECT LOC (State) <i>VA</i>	SAMPLER(S) NAME <i>SABALBY</i>	PHONE <i>804-673-3700</i>	FAX	AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (oil, solvent, etc)	<i>TPH Light</i> <i>TCL VOCs</i> <i>TPH Heavy</i> <i>TCL SVOCs</i>				<input type="checkbox"/> STANDARD REPORT DELIVERY <input type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge)	Date Due: _____	
CLIENT NAME <i>Malibu Pirnie</i>		CLIENT PROJECT MANAGER									
CLIENT ADDRESS (CITY, STATE, ZIP) <i>11332 Rock Landing Dr. Newport News, VA 23606</i>											
SAMPLE DATE <i>2/21/88</i>		SL NO.	SAMPLE IDENTIFICATION <i>61V04-210A</i>		NUMBER OF CONTAINERS SUBMITTED				REMARKS		
<i>11:30</i>			<i>USACE Project No. E0362</i>		<i>X</i>	<i>3</i>	<i>3</i>	<i>2</i>	<i>2</i>		
					<i>UPS No: 0561 2743 171</i>						
					<i>Total: 3 3 2 2</i>						
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)		DATE	TIME
				<i>[Signature]</i>		<i>2/21/88</i>	<i>1730</i>				
RECEIVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME
RECEIVED FOR LABORATORY BY: (SIGNATURE)		DATE	CUSTODY INTACT	CUSTODY	LOG NO.	LABORATORY REMARKS:					
			<input type="checkbox"/> YES <input type="checkbox"/> NO								

CLIENTS FIELD COPY

# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

- 5102 LaRoche Avenue, Savannah, GA 31404
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- Phone (205) 666 6633 Fax (205) 666-6666
- Phone (813) 885 7427 Fax (813) 885-7049
- Phone (504) 764 1100 Fax (504) 725-1163

PROJECT REFERENCE 11/1/75		PROJECT NO. 0285-588	P.O. NUMBER T.O. 001	MATRIX TYPE	REQUIRED ANALYSES	PAGE 1 OF 1
PROJECT LOC (State) VA	SAMPLER(S) NAME Tony Pace	PHONE (504) 572-5700	FAX (504) 572-5722	TOL Vigs TOL -Vigs TOL L-114 TOL Heavy HCL Nore HCL Nore		STANDARD REPORT DELIVERY <input checked="" type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge) <input type="checkbox"/> Date Due: _____
CLIENT NAME HALLAM LIRNIE	CLIENT PROJECT MANAGER TONY PACE	CLIENT ADDRESS (CITY, STATE, ZIP) NEWPORT NEWS VA 23606				

SAMPLE		SL NO.	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS SUBMITTED				REMARKS		
DATE	TIME			AQUEOUS (WATER) SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (oil, solvent, etc)	HCL Nore		HCL Nore	
1/20/75	1245		GW04-010	X		3	2	3	2	
1/20/75	1500		GW04-009	X		3	2	3	2	
2/20/75	0800		TBL4-GW-022095	X		3				
TOTAL						9	4	6	4	

UT No USLI 9742 150

RELINQUISHED BY (SIGNATURE) AK Pac	DATE 1/20/75	TIME 1700	RELINQUISHED BY (SIGNATURE)	DATE	TIME	RELINQUISHED BY (SIGNATURE)	DATE	TIME
RECEIVED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME

RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE	TIME	LABORATORY INTACT <input type="checkbox"/> YES <input type="checkbox"/> NO	CUSTODY SEALED	SL LOG NO.	LABORATORY REMARKS
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P.05

# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

- 5102 LaRoche Avenue, Savannah, GA 31404
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 Phone: (904) 878-3994 Fax: (904) 878-9504  
 Phone: (305) 421-7400 Fax: (305) 421-2584  
 Phone: (205) 666-6633 Fax: (205) 666-6696  
 Phone: (813) 885-7427 Fax: (813) 885-7049  
 Phone: (504) 764-1100 Fax: (504) 725-1163

PROJECT REFERENCE <i>17. Spill FIA</i>		PROJECT NO. <i>0285-594</i>	P.O. NUMBER <i>T.O. - 001</i>	MATRIX TYPE	REQUIRED ANALYSES	PAGE	OF
PROJECT LOC. <i>VA</i>	SAMPLER(S) NAME <i>V.F. Friedman</i>	PHONE <i>804-973-4700</i>	FAX <i>804-973-9722</i>	AQUEOUS (UNITED) SOLID OR SEMI-SOLID HOW MANY LITERS (OR GALLONS)	TEL SVCS TEL WCLS TPA Heavy TPA Light	<input checked="" type="checkbox"/> STANDARD REPORT DELIVERY <input type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge) Date Due: _____	
CLIENT NAME <i>Makala Pirie</i>		CLIENT PROJECT MANAGER					
CLIENT ADDRESS (CITY, STATE, ZIP) <i>11932 Rock Landing Dr. NN VA 23606</i>							

SAMPLE DATE	TIME	SL NO.	SAMPLE IDENTIFICATION	X	NUMBER OF CONTAINERS SUBMITTED				REMARKS
<i>2/6/95</i>	<i>1250</i>		<i>SB04-012-68</i>	X	1	1	1	1	
<i>2/6/95</i>	<i>1335</i>		<i>SB04-007-68</i>	X	1	1	1	1	
<i>2/6/95</i>	<i>1245</i>		<i>SB04-012-24</i>	X	1	1	1	1	
<i>2/6/95</i>	<i>1325</i>		<i>SB04-700-24</i>	X	1	1	1	1	
<i>2/6/95</i>	<i>1325</i>		<i>SB04-007-24</i>	X	1	1	1	1	
<i>2/6/95</i>	<i>1335</i>		<i>SB04-700-68</i>	X	1	1	1	1	
<i>2/6/95</i>	<i>1110</i>		<i>SB04-011-24</i>	X	1	1	1	1	
<i>2/6/95</i>	<i>1120</i>		<i>SB04-011-68</i>	X	1	1	1	1	
					<i>UPS No. 0561 241 262</i>				
					<i>B B B B</i>				

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>2/6/95</i>	TIME <i>10:10</i>	RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>2/6/95</i>	TIME <i>17:30</i>	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR LABORATORY BY: (SIGNATURE) <i>J Baker B</i>	DATE <i>2/7/95</i>	TIME <i>10:00</i>	CUSTODY INTACT <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	LABORATORY SEAL NO.	SL LOG NO. <i>50655</i>	LABORATORY REMARKS:
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SAVANNAH LABS

14:29

FEB-07-1995

# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

- 25102 LaRoche Avenue, Savannah, GA 31404
- 2846 Industrial Plaza Drive, Tallahassee, FL 32301
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 Phone (305) 421-7400 Fax: (305) 421-2584  
 Phone (205) 666-6633 Fax: (205) 666-6696  
 Phone (813) 885-7427 Fax: (813) 885-7049  
 Phone (504) 764-1100 Fax: (504) 725-1163

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE <i>Ft. Story Arb (cont)</i>		PROJECT NO. <i>2285-590</i>	P.O. NUMBER <i>T. J. 113</i>	MATRIX TYPE	REQUIRED ANALYSES	PAGE	OF
PROJECT LOC (State) <i>VA</i>	SAMPLER(S) NAME <i>S.A. Bailey</i>	PHONE		AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (oil, solvent, etc)	<i>TPH Light</i> <i>TCL VOCs</i> <i>TPH Light</i> <i>TCL VOCs</i> <i>TPH Heavy</i> <i>TCL SVOCs</i>	<input checked="" type="checkbox"/> STANDARD REPORT DELIVERY <input type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge)	
CLIENT NAME <i>Makala Pirnie</i>		CLIENT PROJECT MANAGER					
CLIENT ADDRESS (CITY, STATE, ZIP)							

SAMPLE		SL NO.	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS SUBMITTED								REMARKS		
DATE	TIME			AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (oil, solvent, etc)	1	2	3	4		5	6
<i>2/27/95</i>	<i>0915</i>		<i>GW07-021</i>	<input checked="" type="checkbox"/>				<i>3</i>	<i>2</i>					
<i>2/27/95</i>	<i>0915</i>		<i>GW07-021 MS</i>	<input checked="" type="checkbox"/>				<i>3</i>	<i>2</i>					
<i>2/27/95</i>	<i>0915</i>		<i>GW07-021 MSD</i>	<input checked="" type="checkbox"/>				<i>3</i>	<i>2</i>					
<i>2/27/95</i>	<i>0915</i>		<i>SS07-021-01</i>		<input checked="" type="checkbox"/>					<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>surface soil</i>
<i>2/27/95</i>	<i>1240</i>		<i>ER04-GW-022795</i>	<input checked="" type="checkbox"/>				<i>3</i>	<i>3</i>					<i>private</i>
<i>2/27/95</i>	<i>300</i>		<i>TB04-222795</i>	<input checked="" type="checkbox"/>					<i>3</i>					<i>1/16/95</i>
<i>2/27/95</i>	<i>1245</i>		<i>GW04-015</i>	<input checked="" type="checkbox"/>				<i>3</i>	<i>3</i>		<i>2</i>	<i>2</i>		

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
				<i>2/27/95</i>	<i>1130</i>			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY			
RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	LABORATORY REMARKS
CUSTODY INTACT		CUSTODY SEVERELY COMPROMISED	
<input type="checkbox"/> YES <input type="checkbox"/> NO		<input type="checkbox"/> YES <input type="checkbox"/> NO	

CLIENTS FIELD COPY

# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

- 6102 LaRoche Avenue, Savannah, GA 31404
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 Phone: (504) 764-1100 Fax: (504) 725-1163

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE <b>Ft. Story - LARC</b>		PROJECT NO. <b>0285-539</b>	P.O. NUMBER <b>T.O. - 002</b>	MATRIX TYPE	REQUIRED ANALYSES	PAGE	OF
PROJECT LOC. (State) <b>VA</b>	SAMPLER(S) NAME <b>S.A. Bailey</b>	PHONE		AQUEOUS (WATER) SOLID OR SEMISOLID AIR NON-AQUEOUS LIQUID (oil solvent, etc.)	TPH Light TCL VOCs TPH Heavy TCL SVOCs	STANDARD REPORT DELIVERY <input checked="" type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge) <input type="checkbox"/> Date Due: _____	
CLIENT NAME <b>Alcolm Pirnie</b>		CLIENT PROJECT MANAGER					
CLIENT ADDRESS (CITY, STATE, ZIP)							

SAMPLE		SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS SUBMITTED				REMARKS		
DATE	TIME		A	B	C	D			
3/7/95	08:30	GW06-015	X		3	3	2	2	
3/7/95	09:00	TB06-030795	X			3			Top Block
3/7/95	09:30	GW06-016	X		3	3	2	2	
3/7/95	11:15	GW06-017	X		3	3			
3/7/95	12:20	ER07-GW-030795	X		3	3			Rinse
3/7/95	12:40	GW07-026	X		3	3			
3/7/95	13:45	GW06-025	X			3	3		
3/7/95	14:45	GW04-01B	X		3	3			
			UPS No. 0561 2742 967 1B 24 4 4						

RELINQUISHED BY: (SIGNATURE) <b>Emily Containers</b>	DATE	TIME	RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE) <b>Emily Containers</b>	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY REMARKS



# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

5102 LaRoche Avenue, Savannah, GA 31404 Phone: (912) 354-7858 Fax: (912) 352-0165  
 2846 Industrial Plaza Drive, Tallahassee, FL 32301 Phone: (904) 878-3994 Fax: (904) 878-9504  
 414 SW 12th Avenue, Deerfield Beach, FL 33442 Phone: (305) 421-7400 Fax: (305) 421-2584  
 900 Lakeside Drive, Mobile, AL 36693 Phone: (334) 666-6633 Fax: (334) 666-6696  
 6712 Benjamin Road, Suite 100, Tampa, FL 33634 Phone: (813) 885-7427 Fax: (813) 885-7049  
 110 Alpha Drive, Destrehan, LA 70047 Phone: (504) 764-1100 Fax: (504) 725-1163

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE <b>Ft. Story FTA</b>		PROJECT NO. <b>0285-566</b>	P.O. NUMBER <b>T.O. 001</b>	MATRIX TYPE	REQUIRED ANALYSES	PAGE 1 of 1
PROJECT LOC. (State) <b>VA</b>	SAMPLER(S) NAME <b>B. Friedman</b>	PHONE <b>(804) 873-8700</b>	FAX <b>(804) 873-8723</b>	AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (oil, solvents, etc.) <b>TCL SVXs</b> <b>TPH Heavy</b>	STANDARD REPORT DELIVERY <input checked="" type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge) <input type="checkbox"/> Date Due: _____	
CLIENT NAME <b>MALCOLM PIRNIE</b>		CLIENT PROJECT MANAGER <b>TONY PAGE</b>				
CLIENT ADDRESS (CITY, STATE, ZIP) <b>Newport News, VA 23606</b>						

SAMPLE		SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS SUBMITTED				REMARKS
DATE	TIME		AQUEOUS (WATER) SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (oil, solvents, etc.)		
4/13/95	0810	4 MW-1	X		2	2	
4/13/95	0810	4 MW-1-US	X		2	2	
4/13/95	0810	4 MW-1-MSD	X		2	2	
4/13/95	0800	4GW-TB-41395	X			3	
		<b>TOTAL</b>			<b>6</b>	<b>6</b>	

UPS No. 0561 2742 467

RELINQUISHED BY: (SIGNATURE) <b>[Signature]</b>	DATE <b>4/13/95</b>	TIME <b>3:20</b>	RELINQUISHED BY: (SIGNATURE) <b>AK Page</b>	DATE <b>4/13/95</b>	TIME <b>1500</b>	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE) <b>[Signature]</b>	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR: \_\_\_\_\_

LABORATORY REMARKS: \_\_\_\_\_

# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

- 5102 LaRoche Avenue, Savannah, GA 31404 Phone: (912) 354 7858 Fax: (912) 352-0165
- 2846 Industrial Plaza Drive, Tallahassee, FL 32301 Phone: (904) 878 3994 Fax: (904) 878 9504
- 414 SW 12th Avenue, Deerfield Beach, FL 33442 Phone: (305) 421 7400 Fax: (305) 421-2584
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- 6712 Benjamin Road, Suite 100, Tampa, FL 33634 Phone: (813) 885 7427 Fax: (813) 885-7049
- 110 Alpha Drive, Destrehan, LA 70047 Phone: (504) 764 1100 Fax: (504) 725-1163

PROJECT REFERENCE <b>Fl. Story FTA</b>		PROJECT NO. <b>0285-588</b>	P.O. NUMBER <b>T.O. 001</b>	MATRIX TYPE	REQUIRED ANALYSES	PAGE   OF
PROJECT LOC. (State) <b>VA</b>	SAMPLER(S) NAME <b>W. FRIEDMAN</b>	PHONE <b>(804) 873-8700</b>	FAX <b>(804) 873-8723</b>	AQUEOUS (WATER) SOLID OR SEMISOLID AIR NON-AQUEOUS LIQUID (oil solvent, etc)	TCL VOCs TPH Light TAL Metals TAL CN TAL Hg TCL SVOCs TPH Heavy	STANDARD REPORT DELIVERY <input checked="" type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge) <input type="checkbox"/> Date Due: _____
CLIENT NAME <b>MALCOLM PIRNIE</b>		CLIENT PROJECT MANAGER <b>TONY PACE</b>				

SAMPLE		SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS SUBMITTED							REMARKS	
DATE	TIME		HCL	HCL	Ni/Mn	Ni/Mn	Ni/Mn	Ni/Mn	Ni/Mn		
4/13/95	0810	4MW-1	X		3	3					
4/13/95	0810	4MW-1-MS	X		3	3	1	1	1		
4/13/95	0810	4MW-1-MSD	X		3	3	1	1	1		
4/13/95	0810	4MW-1T	X				1	1	1		
4/13/95	0810	4MW-1F	X				1	1	1		
4/13/95	0800	4GW-TB-41395	X		3						UPS NO.
4/13/95	0955	4MW-4	X		3	3			2	2	0561-2742-154
4/13/95	1010	MW-113A	X		3	3			2	2	
<b>TOTAL</b>					18	15	4	4	4	4	

RELINQUISHED BY: (SIGNATURE) <b>AK Pace</b>	DATE <b>4/13/95</b>	TIME <b>1600</b>	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR	LABORATORY REMARKS:
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# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

- 5102 LaRoche Avenue, Savannah, GA 31404
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- Phone (813) 885-7427 Fax (813) 885-7049
- Phone (504) 764-1100 Fax (504) 725-1163

PROJECT REFERENCE IT Study FTA		PROJECT NO. 0285-585	P.O. NUMBER T0 001	MATRIX TYPE	REQUIRED ANALYSES										PAGE 1 OF 1		
PROJECT LOC. (State) VA	SAMPLER(s) NAME S. PALEY / B. FRIEDMANN		PHONE (804) 872-5700	AQUEOUS (WATER) SOLID OR SEMISOLID AIR NON-AQUEOUS LIQUID (oil, solvent, etc.) TCL VOCs THH Light TCL SVOCs THH Heavy HCL HCL										STANDARD REPORT DELIVERY <input checked="" type="checkbox"/>			
CLIENT NAME P.L. L. W. H. H. E.	CLIENT PROJECT MANAGER TONY PAGE		FAX (804) 873-5723											EXPEDITED REPORT DELIVERY (surcharge) <input type="checkbox"/>			
CLIENT ADDRESS (CITY, STATE, ZIP) 1501 DFT HWY VA 22606				Date Due: _____													
SAMPLE		SAMPLE IDENTIFICATION		NUMBER OF CONTAINERS SUBMITTED										REMARKS			
DATE	TIME																
1/12/75	1030	MW-112		X	3	3											
1/12/75	1030	MW-211		X	3	3											
1/12/75	1100	4 MW-5		X	3	3	2	2									
1/12/75	1800	4 GW-TB-41275 (TRIL BLANK)		X	3												
1/12/75	1145	MW-114A		X	3	3	2	2									
1/12/75	1345	4 MW-3		X	3	3											
1/12/75	1400	MW-111		X	3	3											
1/12/75	1445	4 MW-2S		X	3	3											
1/12/75	1500	4 MW-2D		X	3	3											
		TOTAL															
RELINQUISHED BY: (SIGNATURE) Y. COLEMAN		DATE	TIME	RELINQUISHED BY: (SIGNATURE) AK [Signature]		DATE	TIME	RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)		DATE	TIME		
RECEIVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME		

RECEIVED FOR LABORATORY BY: _____	LABORATORY LOG NO. _____	LABORATORY REMARKS: _____
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# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

- 5102 LaRoche Avenue, Savannah, GA 31404
- 2846 Industrial Plaza Drive, Tallahassee, FL 32301
- 414 SW 12th Avenue, Deerfield Beach, FL 33442
- 900 Lakeside Drive, Mobile, AL 36693
- 6712 Benjamin Road, Suite 100, Tampa, FL 33634
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 Phone: (334) 666 6633 Fax: (334) 666-6696  
 Phone: (813) 885 7427 Fax: (813) 885-7049  
 Phone: (504) 764 1100 Fax: (504) 725-1163

PROJECT REFERENCE FH Stoney FTA	PROJECT NO. 0285-489	P.O. NUMBER T.O. 001	MATRIX TYPE	REQUIRED ANALYSES	PAGE / OF 1
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PROJECT LOC. (State) VA	SAMPLER(S) NAME S. Bailey / B. Friedmann	PHONE (804) 873-8700	FAX (804) 873-8723	AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (al. solvent, etc.) TCL - VOCs THH Heavy
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CLIENT NAME MALCOLM PIRNIE	CLIENT PROJECT MANAGER TONY PACE
-------------------------------	-------------------------------------

CLIENT ADDRESS (CITY, STATE, ZIP) Newport News VA 23606	<input checked="" type="checkbox"/> STANDARD REPORT DELIVERY <input type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge) Date Due:
--	---

SAMPLE		SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS SUBMITTED				REMARKS		
DATE	TIME		AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (al. solvent, etc.)			
4/12/95	1345	4 MW - 3	X			2	2		
4/12/95	1400	MW - 111	X			2	2		
4/12/95	1445	4 MW - 25	X			2	2		
		TOTAL				6	6		

Lab No. 0541 2145 743

RELINQUISHED BY: (SIGNATURE) EMPTY CONTAINERS	DATE	TIME	RELINQUISHED BY: (SIGNATURE) AK Pace	DATE 4/12/95	TIME 1730	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
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RECEIVED BY: (SIGNATURE) CONTAINERS	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
--	------	------	--------------------------	------	------	--------------------------	------	------

RECEIVED FOR LABORATORY	LABORATORY REMARKS:
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# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

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 Phone: (504) 764-1100 Fax: (504) 725-1163

PROJECT REFERENCE		PROJECT NO.	P.O. NUMBER	MATRIX TYPE	REQUIRED ANALYSES							PAGE	OF
PROJECT LOC (State)		SAMPLER(s) NAME	PHONE	AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (oil solvent, etc)	TPH LIGHT	TCL VOC	TPH HEAVY	TC SVOC	TAL CN	TAL METALS	TAL Hg		
CLIENT NAME		CLIENT PROJECT MANAGER	FAX		HCL	HCL	NAOH	NH <sub>4</sub>	NH <sub>4</sub>				
CLIENT ADDRESS (CITY, STATE, ZIP)				<input checked="" type="checkbox"/> STANDARD REPORT DELIVERY <input type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge)							Date Due: _____		
SAMPLE		SL NO.	SAMPLE IDENTIFICATION		NUMBER OF CONTAINERS SUBMITTED							REMARKS	
DATE	TIME												
4/12/95	0830		MW-112	X									
4/12/95	0830		MW-211	X									
4/12/95	0830		MW-112 T	X					1x	1x	1x		
4/12/95	0830		MW-112 F	X					500ml	500ml	250ml		
4/12/95	0830		MW-211 T	X					1x	1x	1x		
4/12/95	0830		MW-211 F	X					500ml	500ml	250ml		
Total					0	0	4	4	4	4	4		

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			<i>Alk Pace</i>	4/12/95	1730			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY			
RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	CUSTODY INTACT	CUSTODY SEAL NO.
		<input type="checkbox"/> YES <input type="checkbox"/> NO	
SL LOG NO.	LABORATORY REMARKS:		



# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

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## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE Fl Steve LARC Site	PROJECT NO. 0285-589	P.O. NUMBER T.O. 002	MATRIX TYPE	REQUIRED ANALYSES	PAGE	OF
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PROJECT LOC. (State) VA	SAMPLER(S) NAME Anthony Pace/Scott Bandy	PHONE (804) 873-8706	FAX (804) 873-8723	STANDARD REPORT DELIVERY <input checked="" type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge) <input type="checkbox"/> Date Due: _____		
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CLIENT NAME Malcolm Picnie	CLIENT PROJECT MANAGER Anthony Pace
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CLIENT ADDRESS (CITY STATE ZIP) 11832 Rock Landing Drive Suite 400 Newport News, VA 23606	
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SAMPLE		SAMPLE IDENTIFICATION	MATRIX TYPE	NUMBER OF CONTAINERS SUBMITTED									REMARKS		
DATE	TIME			ARQUEOUS LIQUID (or solvent, etc.)	AQUEOUS LIQUID	SOLID OR SEMISOLID	AIR	HCL	HCL	N/A	N/A	Nitric		Nitric	N/A
2/1/95		<del>XXXX</del> TB06-020195	X												
2/1/95	1300	SW06-002	X												
2/1/95	1135	SW06-001	X												

RELINQUISHED BY: (SIGNATURE) [Signature]	DATE	TIME	RELINQUISHED BY: (SIGNATURE) [Signature]	DATE	TIME	RELINQUISHED BY: (SIGNATURE) [Signature]	DATE	TIME
CONTAINERS				2/1/95	1730			
RECEIVED BY: (SIGNATURE) [Signature]	DATE	TIME	RECEIVED BY: (SIGNATURE) [Signature]	DATE	TIME	RECEIVED BY: (SIGNATURE) [Signature]	DATE	TIME
CONTAINERS								

RECEIVED FOR LAB	BL LOG NO.	LABORATORY REMARKS:
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# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

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## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE <i>Ft. Story LARC</i>		PROJECT NO. <i>0245-539</i>	P.O. NUMBER <i>7.0.-002</i>	MATRIX TYPE	REQUIRED ANALYSES	PAGE 1	OF 1
PROJECT LOC. (State) <i>VA</i>	SAMPLER(S) NAME <i>G.K. Pac</i>	PHONE <i>(504) 878-3111</i>	FAX <i>(504) 725-1163</i>	AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (oil, solvent, etc.)	<i>TCL SVOCs TCL VOCs TPH LAL TPH HANV TPH WSWP TPH CN</i>	<input checked="" type="checkbox"/> STANDARD REPORT DELIVERY <input type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge) Date Due: _____	
CLIENT NAME <i>Malcolm Pirnie</i>		CLIENT PROJECT MANAGER <i>A K Pac</i>					
CLIENT ADDRESS (CITY, STATE, ZIP) <i>11111 VA 22606</i>							

SAMPLE		SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS SUBMITTED										REMARKS		
DATE	TIME		AQ	SL	NS	1	2	3	4	5	6	7		8	9
<i>2/12/95</i>	<i>1135</i>	<i>5506-016-01</i>	X			1	1	1	1						
<i>2/13/95</i>	<i>1150</i>	<i>5506-017-01</i>	X			1	1	1	1						
<i>1/12/95</i>	<i>1105</i>	<i>5506-015-01</i>	X			1	1	1	1						
<i>1/12/95</i>	<i>1200</i>	<i>SPL-005-57</i>	X			1	1	1	1						
<i>1/12/95</i>	<i>1215</i>	<i>SP06-005-79</i>	X			1	1	1	1	1	1				
		<i>TRIAL</i>													

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>1/30</i>	TIME <i>9:00</i>	RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>2/12/95</i>	TIME <i>1730</i>	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR LABORATORY	LAB LOG NO.	LABORATORY REMARKS:
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# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

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## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE <i>Fl. Hwy LARC</i>		PROJECT NO. <i>2245-539</i>	P.O. NUMBER <i>T.O. - 002</i>	MATRIX TYPE	REQUIRED ANALYSES	PAGE	OF
PROJECT LOC. (State) <i>VA</i>	SAMPLER(S) NAME <i>Bill Lee</i>	PHONE	FAX	MATRIX TYPE ACQUEOUS WATER, SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (or solvent, etc.) <i>TCL VOC</i> <i>TPH LUST</i> <i>TPH HAWK</i> <i>TCL SWAC</i>	STANDARD REPORT DELIVERY <input checked="" type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge) <input type="checkbox"/>		
CLIENT NAME <i>Malcolm Pirnie</i>		CLIENT PROJECT MANAGER				Date Due: _____	
CLIENT ADDRESS (CITY, STATE, ZIP)							

SAMPLE		SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS SUBMITTED				REMARKS		
DATE	TIME		ACQUEOUS WATER, SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (or solvent, etc.)				
<i>3/14/95</i>	<i>13:20</i>	<i>SB06-017-45</i>	X		1	1	1	1	
<i>3/14/95</i>	<i>13:30</i>	<i>SB06-018-45</i>	X		1	1	1	1	
<i>3/14/95</i>	<i>13:50</i>	<i>SB06-019-45</i>	X		1	1	1	1	
<i>3/14/95</i>	<i>14:15</i>	<i>SB06-022-01</i>	X		1	1	1	1	
<i>3/14/95</i>	<i>14:20</i>	<i>SB06-022-45</i>	X		1	1	1	1	
<i>3/14/95</i>	<i>14:45</i>	<i>SB06-023-01</i>	X		1	1	1	1	
<i>3/14/95</i>	<i>14:50</i>	<i>SB06-023-23</i>	X		1	1	1	1	
<i>3/14/95</i>	<i>15:20</i>	<i>SB 5506-021-01</i>	X		1	1	1	1	
<i>3/14/95</i>	<i>15:30</i>	<i>SB06-021-34</i>	X		1	1	1	1	
<i>UPS No. 0561 2742 309</i>									
<i>9 9 9 9</i>									

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

**LABORATORY USE ONLY**

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	BY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
		<input type="checkbox"/> YES <input type="checkbox"/> NO			

# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

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 Phone: (504) 764-1100 Fax: (504) 725-1163

PROJECT REFERENCE <i>Ft. St. John LARC</i>		PROJECT NO. <i>0245-579</i>	PO NUMBER <i>T.O. - 002</i>	MATRIX TYPE	REQUIRED ANALYSES	PAGE	OF
PROJECT LOC. (State) <i>VA</i>	SAMPLER(S) NAME <i>Bill Lee</i>	PHONE	FAX	AQUEOUS (WATER) SOLID OR SEMISOLID AIR NON-AQUEOUS LIQUID (oil, solvent, etc.)	<i>TCL SURCS</i> <i>TCL VOCs</i> <i>TPH Heavy</i> <i>TPH Light</i> <i>TAL</i> <i>TAL</i>	<input checked="" type="checkbox"/> STANDARD REPORT DELIVERY <input type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge) Date Due: _____	
CLIENT NAME <i>Marion Pirnie</i>		CLIENT PROJECT MANAGER					
CLIENT ADDRESS (CITY, STATE, ZIP)							

SAMPLE		SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER) SOLID OR SEMISOLID AIR NON-AQUEOUS LIQUID (oil, solvent, etc.)	NUMBER OF CONTAINERS SUBMITTED							REMARKS
DATE	TIME				1	2	3	4	5	6	7	
<i>3/13/95</i>	<i>1400</i>		<i>5506-008-01</i>	<input checked="" type="checkbox"/>	1	1	1	1				
<i>3/13/95</i>	<i>1410</i>		<i>5506-008-45</i>	<input checked="" type="checkbox"/>	1	1	1	1				
<i>3/13/95</i>	<i>1430</i>		<i>5506-009-01</i>	<input checked="" type="checkbox"/>	1	1	1	1				
<i>3/13/95</i>	<i>1440</i>		<i>5506-009-45</i>	<input checked="" type="checkbox"/>	1	1	1	1				
<i>3/13/95</i>	<i>1530</i>		<i>5506-010-01</i>	<input checked="" type="checkbox"/>	1	1	1	1	1	1		
<i>3/13/95</i>	<i>1540</i>		<i>5506-010-45</i>	<input checked="" type="checkbox"/>	1	1	1	1	1	1		
					<i>UPS No. 0561 2742 887</i>  <i>6 6 6 6 2 2</i>							

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			<i>[Signature]</i>	<i>3/13/95</i>	<i>1730</i>			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR LABORATORY BY: (SIGNATURE)	LABORATORY CONTACT	CUSTODY NO.	SL LOG NO.	LABORATORY REMARKS:

# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

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## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE <b>Ft. Story - LARC</b>		PROJECT NO. <b>0205-594</b>	P.O. NUMBER <b>T.O. 012</b>	MATRIX TYPE	REQUIRED ANALYSES				PAGE	OF	
PROJECT LOC. (State) <b>VA</b>	SAMPLER(S) NAME <b>S.J. Bishop</b>		PHONE <b>424-473-4700</b>	AQUEOUS (WATER) SOLID OR SEMISOLID AIR NON-AQUEOUS LIQUID (oil, solvent, etc)	TEL VOCs	TEL SVOCs	TPH Light	TPH Heavy	<input type="checkbox"/> STANDARD REPORT DELIVERY <input type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge) Date Due: _____		
CLIENT NAME <b>Melinda Pirnie</b>	CLIENT PROJECT MANAGER <b>A.K. Pace</b>		FAX								
CLIENT ADDRESS (CITY, STATE, ZIP) <b>11332 Rock Landing Dr. Newport News, VA 23606</b>											
SAMPLE		SAMPLE IDENTIFICATION			NUMBER OF CONTAINERS SUBMITTED				REMARKS		
DATE	TIME										
<b>2/14/95</b>	<b>0915</b>	<b>SB06-400A-M</b>			<b>X</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>		
<b>USACE Project No. E0301</b>											
RELINQUISHED BY: (SIGNATURE) <b>[Signature]</b>		DATE <b>1/30</b>	TIME <b>9:10</b>	RELINQUISHED BY: (SIGNATURE) <b>[Signature]</b>		DATE <b>2/14/95</b>	TIME <b>1730</b>	RELINQUISHED BY: (SIGNATURE)		DATE	TIME
RECEIVED BY: (SIGNATURE) <b>[Signature]</b>		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME

RECEIVED FOR: \_\_\_\_\_ LABORATORY REMARKS: \_\_\_\_\_

# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

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## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE <i>Ft. Story LARC</i>		PROJECT NO. <i>0205-584</i>	P.O. NUMBER <i>7.2 - 022</i>	MATRIX TYPE	REQUIRED ANALYSES	PAGE	OF			
PROJECT LOC. (State) <i>VA</i>	SAMPLER(S) NAME <i>S.A. Bailey / S.J. Bishop</i>	PHONE	FAX	AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (oil, solvent, etc.)	TCL SWCS TCL VOCs TPH Light TPH Heavy	<input checked="" type="checkbox"/> STANDARD REPORT DELIVERY <input type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge)	Date Due: _____			
CLIENT NAME <i>Malcolm Pirnie</i>	CLIENT PROJECT MANAGER		NA					NA	NA	NA
CLIENT ADDRESS (CITY, STATE, ZIP)								NA	NA	NA

SAMPLE		SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS SUBMITTED				REMARKS		
DATE	TIME		AQUEOUS (WATER) SOLID OR SEMISOLID AIR	NONAQUEOUS LIQUID (oil, solvent, etc.)	TCL SWCS	TCL VOCs		TPH Light	TPH Heavy
<i>2/14/95</i>	<i>0815</i>	<i>SB06-004-35</i>	<i>X</i>		<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	
<i>2/14/95</i>	<i>0825</i>	<i>SB06-004-79</i>	<i>X</i>		<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	
<i>2/14/95</i>	<i>0915</i>	<i>SB06-400-79</i>	<i>X</i>		<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	
					<i>3</i>	<i>3</i>	<i>3</i>	<i>3</i>	

*UPS Shipping No. 0561 743 215*

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>1/30</i>	TIME <i>9:00</i>	RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>2/14/95</i>	TIME <i>1730</i>	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR LABORATORY NO. LABORATORY REMARKS:





# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

- 102 LaRoche Avenue, Savannah, GA 31404
- 2846 Industrial Plaza Drive, Tallahassee, FL 32301
- 414 SW 12th Avenue, Deerfield Beach, FL 33442
- 900 Lakeside Drive, Mobile, AL 36693
- 6712 Benjamin Road, Suite 100, Tampa, FL 33634
- 110 Alpha Drive, Destrehan, LA 70047

Phone: (912) 354-7858 Fax: (912) 352-0165  
 Phone: (904) 878-3994 Fax: (904) 878-9504  
 Phone: (305) 421-7400 Fax: (305) 421-2584  
 Phone: (205) 666-6633 Fax: (205) 666-6696  
 Phone: (813) 885-7427 Fax: (813) 885-7049  
 Phone: (504) 764-1100 Fax: (504) 725-1163

PROJECT REFERENCE <i>Ft. Story - LARC</i>		PROJECT NO. <i>0245-591</i>	P.O. NUMBER <i>7.0.-002</i>	MATRIX TYPE	REQUIRED ANALYSES	PAGE	OF
PROJECT LOC. (State) <i>VA</i>	SAMPLER(S) NAME <i>Bill Lee</i>	PHONE		AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (oil, solvent, etc.)	TCL SVOC TPH Light TCL SVOC TPH Heavy TAL Metals TAL Cu	<input checked="" type="checkbox"/> STANDARD REPORT DELIVERY <input type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge) Date Due: _____	
CLIENT NAME <i>Malcolm Pirnie</i>		CLIENT PROJECT MANAGER					
CLIENT ADDRESS (CITY, STATE, ZIP) <i>3/14/95 SAD</i>							

SAMPLE		SAMPLE IDENTIFICATION	AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (oil, solvent, etc.)	NUMBER OF CONTAINERS SUBMITTED							REMARKS
DATE	TIME			1	2	3	4	5	6	7	
<i>3/13/95</i>	<i>04:00</i>	<i>SB06-011-45</i>	<i>X</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>				
<i>3/13/95</i>	<i>06:35</i>	<i>SB06-012-45</i>	<i>X</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>				
<i>3/13/95</i>	<i>09:35</i>	<i>SB06-210-45</i>	<i>X</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>				
<i>3/13/95</i>	<i>09:05</i>	<i>SB06-013-45</i>	<i>X</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>				
<i>3/13/95</i>	<i>10:00</i>	<i>SB06-016-45</i>	<i>X</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>				
<i>3/14/95</i>	<i>10:25</i>	<i>SB06-015-45</i>	<i>X</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>		
<i>3/14/95</i>	<i>11:00</i>	<i>SB06-014-45</i>	<i>X</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>				
<i>URS No. 0561 2742 373</i>											
<i>7 7 7 7 1 1</i>											

RELINQUISHED BY: (SIGNATURE) <i>Scott A. Pirnie</i>	DATE <i>3/14/95</i>	TIME <i>1730</i>	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

<b>LABORATORY USE ONLY</b>					
RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	CUSTODY INTACT <input type="checkbox"/> YES <input type="checkbox"/> NO	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:



# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

- 5102 LaRoche Avenue, Savannah, GA 31404
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 Phone: (813) 885-7427 Fax: (813) 885-7049  
 Phone: (504) 764-1100 Fax: (504) 725-1163

PROJECT REFERENCE <i>Ft. Story LARC</i>		PROJECT NO. <i>0285-589</i>	P.O. NUMBER <i>T.O. 002</i>	MATRIX TYPE	REQUIRED ANALYSES					PAGE	OF	
PROJECT LOC (State) <i>VA</i>	SAMPLER(S) NAME <i>Bill Lee</i>		PHONE <i>804-877-8700</i>	AQUEOUS WATER / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)	TEL VOC	TPH Light	TEL SVOC	TPH Heavy	TAL CU	TAL MALS/1g	STANDARD REPORT DELIVERY	EXPEDITED REPORT DELIVERY (surcharge)
FAX <i>804-873-8128</i>	CLIENT NAME <i>Malcolm Pirnie</i>		CLIENT PROJECT MANAGER									
CLIENT ADDRESS (CITY, STATE, ZIP) <i>11532 Rak Landing Dr. Newport News 23606</i>												
SAMPLE		SL. NO.	SAMPLE IDENTIFICATION		NUMBER OF CONTAINERS SUBMITTED					REMARKS		
DATE	TIME											
<i>3/15/95</i>	<i>04:15</i>		<i>SB06-027A-45</i>	<input checked="" type="checkbox"/>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>				
<i>3/15/95</i>	<i>09:50</i>		<i>SB06-020A-45</i>	<input checked="" type="checkbox"/>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>		
			<i>USACE Project No. E0361</i>		<i>2</i>	<i>2</i>	<i>2</i>	<i>2</i>	<i>1</i>	<i>1</i>		
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)		DATE	TIME	
<i>[Signature]</i>				<i>[Signature]</i>		<i>3/15/95</i>	<i>12:00</i>					
RECEIVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME	

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	LABORATORY USE ONLY	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
		<input type="checkbox"/> YES <input type="checkbox"/> NO			

# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

- 102 LaRoche Avenue, Savannah, GA 31404 Phone (912) 354 7858 Fax: (912) 352-0165
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- 6712 Benjamin Road, Suite 100, Tampa, FL 33634 Phone (813) 885 7427 Fax: (813) 885-7049
- 110 Alpha Drive, Destrehan, LA 70047 Phone (504) 764 1100 Fax: (504) 725-1163

PROJECT REFERENCE <i>Ft. Spots IARC</i>		PROJECT NO. <i>0295-501</i>	P.O. NUMBER <i>T.2. - 002</i>	MATRIX TYPE	REQUIRED ANALYSES	PAGE	OF
PROJECT LOC (State) <i>VA</i>	SAMPLER(S) NAME <i>Bill Lee</i>	PHONE  FAX		AQUEOUS (WATER) SOLID OR SEMISOLID AIR NON-AQUEOUS LIQUID (oil, solvent, etc)	<i>TCL VOCs</i> <i>TPH Light</i> <i>TCL SVOCs</i> <i>TPH Heavy</i>	STANDARD REPORT DELIVERY <input checked="" type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge) <input type="checkbox"/> Date Due: _____	
CLIENT NAME <i>Malcolm Pirnie</i>		CLIENT PROJECT MANAGER					
CLIENT ADDRESS (CITY, STATE, ZIP)							

SAMPLE DATE	TIME	SL NO.	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS SUBMITTED				REMARKS							
				AQUEOUS	SOLID	AIR	NON-AQUEOUS								
<i>3/13/95</i>	<i>0700</i>		<i>TB06-031395</i>	<input checked="" type="checkbox"/>			<i>3</i>								<i>Tip Blank</i>
<i>3/13/95</i>	<i>0900</i>		<i>ER06-SB-031395</i>	<input checked="" type="checkbox"/>			<i>3</i>	<i>3</i>	<i>2</i>	<i>2</i>					<i>Blank</i>
<i>3/13/95</i>	<i>0930</i>		<i>SB06-002-45</i>	<input checked="" type="checkbox"/>			<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>					
<i>3/13/95</i>	<i>0945</i>		<i>SB06-002-39</i>	<input checked="" type="checkbox"/>			<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>					
<i>3/13/95</i>	<i>1140</i>		<i>SB06-600-45</i>	<input checked="" type="checkbox"/>			<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>					
<i>3/13/95</i>	<i>1140</i>		<i>SB06-006-45</i>	<input checked="" type="checkbox"/>			<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>					
<i>3/13/95</i>	<i>1120</i>		<i>SB06-006-01</i>	<input checked="" type="checkbox"/>			<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>					
				<i>UPS. No. 0561 2742 9:53</i>											
				<i>11 8 7 7</i>											

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY							
RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:	
			<input type="checkbox"/> YES <input type="checkbox"/> NO				





# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

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 Phone: (813) 885-7427 Fax: (813) 885-7049  
 Phone: (504) 764-1100 Fax: (504) 725-1163

PROJECT REFERENCE <i>Fl. Story - LARC</i>		PROJECT NO. <i>0245-599</i>	P.O. NUMBER <i>T.O. - 002</i>	MATRIX TYPE	REQUIRED ANALYSES	PAGE	OF
PROJECT LOC. (State) <i>VA</i>	SAMPLER(S) NAME <i>S.A. Dicky</i>	PHONE		AQUEOUS WATER / SOLID OR SEMISOLID AIR NON-AQUEOUS LIQUID (oil, solvent, etc)	TCL SVOCs TCL Pesticides TAL Pesticides TCL VOCs TAL CN TPH Hexyl TPH Lign.	STANDARD REPORT DELIVERY <input checked="" type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge) <input type="checkbox"/> Date Due: _____	
CLIENT NAME <i>Malcolm Pirnie</i>		CLIENT PROJECT MANAGER					
CLIENT ADDRESS (CITY, STATE, ZIP)							

SAMPLE		SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS SUBMITTED										REMARKS
DATE	TIME		AQ	AS	NAL	TCL SVOCs	TCL Pesticides	TAL Pesticides	TCL VOCs	TAL CN	TPH Hexyl	TPH Lign.	
<i>2/14/95</i>	<i>1400</i>	<i>5506-015-01</i>	X										
<i>2/14/95</i>	<i>1445</i>	<i>5506-020-01</i>	X										
<i>2/14/95</i>	<i>1450</i>	<i>5506-019-01</i>	X										
<i>2/14/95</i>	<i>1430</i>	<i>5506-910-01</i>	X										
<i>UPS. No.</i>													

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>1/30</i>	TIME <i>9:10</i>	RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>2/14/95</i>	TIME <i>1730</i>	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR:	LABORATORY SIGNATURE:
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# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

- 5102 LaRoche Avenue, Savannah, GA 31404 Phone: (912) 354-7858 Fax: (912) 352-0165
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- 6712 Benjamin Road, Suite 100, Tampa, FL 33634 Phone: (813) 885-7427 Fax: (813) 885-7049
- 110 Alpha Drive, Destrehan, LA 70047 Phone: (504) 764-1100 Fax: (504) 725-1163

PROJECT REFERENCE <i>Ft. Story LARC</i>		PROJECT NO. <i>0205-594</i>	P.O. NUMBER <i>T.O.-112</i>	MATRIX TYPE	REQUIRED ANALYSES	PAGE   OF
PROJECT LOC. (State) <i>VA</i>	SAMPLER(S) NAME <i>A.K. Pace</i>	PHONE <i>(814) 573-7100</i>	FAX <i>(804) 873-8723</i>	AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (oil, solvent, etc.)	<i>SURCS (TC)</i> <i>TCCL VCS</i> <i>TPH VCS</i> <i>TPH LPH</i> <i>TPH Heavy</i> <i>TPH Metals</i> <i>TPH CAN</i>	
CLIENT NAME <i>LANE LM FIRMIE</i>		CLIENT PROJECT MANAGER <i>A. K. PACE</i>				
CLIENT ADDRESS (CITY, STATE, ZIP) <i>Newport News VA 23606</i>						

STANDARD REPORT DELIVERY

EXPEDITED REPORT DELIVERY (surcharge)

Date Due: \_\_\_\_\_

SAMPLE		SAMPLE IDENTIFICATION	AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (oil, solvent, etc.)	NUMBER OF CONTAINERS SUBMITTED							REMARKS
DATE	TIME			1	2	3	4	5	6	7	
<i>2/13/95</i>	<i>1030</i>	<i>SS06-004-01</i>	X	1	1	1	1				
<i>2/13/95</i>	<i>1035</i>	<i>SS06-005-01</i>	X	1	1	1	1	1	1		
<i>2/13/95</i>	<i>1045</i>	<i>SS06-011-01</i>	X	1	1	1	1				
<i>2/13/95</i>	<i>1050</i>	<i>SS06-012-01</i>	X	1	1	1	1				
<i>2/13/95</i>	<i>1100</i>	<i>SS06-013-01</i>	X	1	1	1	1				
<i>2/13/95</i>	<i>1115</i>	<i>SS06-014-01</i>	X	1	1	1	1				
<i>TOTAL</i>					6	6	6	6	6		

*USE NO 0501 2741 173*

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>1/30</i>	TIME <i>9:10</i>	RELINQUISHED BY: (SIGNATURE) <i>Ak Pace</i>	DATE <i>2/13/95</i>	TIME <i>170</i>	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

**LABORATORY USE ONLY**

RECEIVED FOR LABORATORY	CUSTOMER USE ONLY	BL LOG NO.	LABORATORY REMARKS:
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# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

- 5102 LaRoche Avenue, Savannah, GA 31404 Phone: (912) 354-7858 Fax: (912) 352-0165
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## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE <b>Ft. Story, LARC</b>		PROJECT NO. <b>0285-589</b>	P.O. NUMBER <b>T.O. 000</b>	MATRIX TYPE	REQUIRED ANALYSES	PAGE 1 OF 1
PROJECT LOC. (State) <b>VA</b>	SAMPLER(S) NAME <b>Tony Pace</b>	PHONE <b>(804) 573-5700</b>	FAX <b>(804) 573-5723</b>	AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (oil, solvent, etc)	<b>TCL VOC</b> <b>TCL SVCS</b> <b>TIH Heavy</b> <b>TIH Light</b>	<input type="checkbox"/> STANDARD REPORT DELIVERY <input type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge) Date Due: _____
CLIENT NAME <b>MALCOLM PICKIE</b>		CLIENT PROJECT MANAGER <b>TONY PACE</b>				
CLIENT ADDRESS (CITY, STATE, ZIP) <b>NEWPORT NEWS VA 23606</b>						

SAMPLE		SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS SUBMITTED				REMARKS	
DATE	TIME		A	B	C	D		
8/15	1110	5506-300A-01 (DICE 1, 1 # EC361)	X	1	1	1	1	

RELINQUISHED BY: (SIGNATURE) <b>TITANIUS</b>	DATE	TIME	RELINQUISHED BY: (SIGNATURE) <b>A.K. Pace</b>	DATE <b>8/15</b>	TIME <b>1730</b>	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE) <b>TITANIUS</b>	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR LABORATORY	LABORATORY ONLY	LAB LOG NO.	LABORATORY REMARKS
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# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

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 Phone: (205) 666-6633 Fax: (205) 666-8996  
 Phone: (813) 885-7427 Fax: (813) 885-7049  
 Phone: (504) 764-1100 Fax: (504) 725-1163

PROJECT REFERENCE <b>H. Story - LARC</b>		PROJECT NO. <b>0285-539</b>	P.O. NUMBER <b>T.O. - 002</b>	MATRIX TYPE	REQUIRED ANALYSES	PAGE	OF
PROJECT LOC (State) <b>VA</b>	SAMPLER(S) NAME <b>S.A. Bailey</b>	PHONE		AQUEOUS WATER SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (oil solvent etc)	TPH L <sub>1</sub> L <sub>2</sub> TCL VOL TPH H <sub>1</sub> H <sub>2</sub> TCL SWCS	STANDARD REPORT DELIVERY <input checked="" type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge) <input type="checkbox"/> Date Due: _____	
CLIENT NAME <b>Malcolm Pirnie</b>		CLIENT PROJECT MANAGER					
CLIENT ADDRESS (CITY, STATE, ZIP)							

SAMPLE		SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS SUBMITTED				REMARKS		
DATE	TIME		AQ	SL	NON	OTHER			
3/7/95	0830	<del>GW06-015</del>	X		3	3	2	2	
3/7/95	0800	<del>FB06-030-95</del>	X			3			Trip Blank
3/7/95	0930	<del>GW06-016</del>	X		3	3	2	2	
3/7/95	1115	<del>GW06-017</del>	X		3	3			
3/7/95	1220	EW07-GW-030795	X		3	3			Rinsate
3/7/95	12:40	GW07-006	X		3	3			
3/7/95	13:45	<del>GW06-015</del>	X			3			
3/7/95	14:45	GW04-010	X		3	3			
UPS No. <b>0561 2742 967</b> 1B 24 4 4									

RELINQUISHED BY: (SIGNATURE) <b>EMPTY CONTAINERS</b>	DATE	TIME	RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE) <b>EMPTY CONTAINERS</b>	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME







# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

- 5102 LaRoche Avenue, Savannah, GA 31404
- 2846 Industrial Plaza Drive, Tallahassee, FL 32301
- 414 SW 12th Avenue, Deerfield Beach, FL 33442
- 900 Lakeside Drive, Mobile, AL 36693
- 6712 Benjamin Road, Suite 100, Tampa, FL 33634
- 110 Alpha Drive, Destrehan, LA 70047

Phone: (912) 354-7858 Fax: (912) 352-0165  
 Phone: (904) 878-3994 Fax: (904) 878-9504  
 Phone: (305) 421-7400 Fax: (305) 421-2584  
 Phone: (205) 666-6633 Fax: (205) 666-6696  
 Phone: (813) 885-7427 Fax: (813) 885-7049  
 Phone: (504) 764-1100 Fax: (504) 725-1163

PROJECT REFERENCE <b>F1. Spky - LAROUS-599</b>		PROJECT NO. <b>T.O. - 002</b>	P.O. NUMBER	MATRIX TYPE	REQUIRED ANALYSES	PAGE	OF
PROJECT LOC. (State) <b>VA</b>	SAMPLER(S) NAME <b>S.A. Bailey</b>	PHONE	FAX	AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (oil, solvent, etc.) <b>SJACs</b> <b>TPH Hg/ky</b>	<input checked="" type="checkbox"/> STANDARD REPORT DELIVERY <input type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge) Date Due: _____		
CLIENT NAME <b>Malcolm Pirnie</b>	CLIENT PROJECT MANAGER						
CLIENT ADDRESS (CITY, STATE, ZIP)							

SAMPLE		SAMPLE IDENTIFICATION	MATRIX TYPE		NUMBER OF CONTAINERS SUBMITTED						REMARKS	
DATE	TIME		AQUEOUS (WATER) SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (oil, solvent, etc.)	1	2	3	4	5		6
<b>3/6/95</b>	<b>0930</b>	<b>GW06-004</b>	<input checked="" type="checkbox"/>			<b>2</b>	<b>2</b>					
<b>3/6/95</b>	<b>1930</b>	<b>GW06-004 MS</b>	<input checked="" type="checkbox"/>			<b>2</b>	<b>2</b>					<b>Upper Spky</b>
<b>3/6/95</b>	<b>2930</b>	<b>GW06-004 MSD</b>	<input checked="" type="checkbox"/>			<b>2</b>	<b>2</b>					<b>12 PK Wg</b>
					<b>UPS No. 0561 2742 405</b> <b>6 6</b>							

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR LABORATORY USE	LABORATORY LOG NO.	LABORATORY REMARKS:
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# SL SAVANNAH LABORATORIES

& ENVIRONMENTAL SERVICES, INC.

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

- 5102 LaRoche Avenue, Savannah, GA 31404 Phone (912) 354-7858 Fax (912) 352-0165
- 2848 Industrial Plaza Drive, Tallahassee, FL 32301 Phone (904) 878-3994 Fax (904) 878-9504
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- 6712 Benjamin Road, Suite 100, Tampa, FL 33634 Phone (813) 885-7427 Fax (813) 885-7049
- 110 Alpha Drive, Destrehan, LA 70047 Phone (504) 764-1100 Fax (504) 725-1163

PROJECT REFERENCE <i>Fl. Ship - LARC</i>		PROJECT NO. <i>0205-589</i>	P.O. NUMBER <i>T.O. - 002</i>	MATRIX TYPE	REQUIRED ANALYSES	PAGE	OF
PROJECT LOC (State) <i>VA</i>	SAMPLER(S) NAME <i>S.A. Dailey</i>	PHONE	FAX	ARQUEOUS (WATER), SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (w/ solvent, etc)	<i>TCL VOCs</i> <i>TPH</i> <i>TPH Heavy</i> <i>TCL SVCS</i>	<input checked="" type="checkbox"/> STANDARD REPORT DELIVERY <input type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge) Date Due: _____	
CLIENT NAME <i>Malcolm Pirnie</i>	CLIENT PROJECT MANAGER						
CLIENT ADDRESS (CITY, STATE, ZIP)							

SAMPLE		SL NO.	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS SUBMITTED		REMARKS
DATE	TIME					
<i>3/6/95</i>	<i>1120</i>		<i>GW06-011</i>	<i>2</i>	<i>2</i>	
<i>3/6/95</i>	<i>1400</i>		<i>GW06-012</i>	<i>2</i>	<i>2</i>	
<i>3/6/95</i>	<i>1500</i>		<i>GW06-013</i>	<i>2</i>	<i>2</i>	

*UPS No. 0561 2742 921*  
*3/7/95*

RELINQUISHED BY: (SIGNATURE) <i>S.A. Dailey</i>	DATE	TIME	RELINQUISHED BY: (SIGNATURE) <i>S.A. Dailey</i>	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR LABORATORY BY: <i>[Signature]</i>		LABORATORY	LABORATORY NO.	LABORATORY REMARKS:
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# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

- 6102 LaRoche Avenue, Savannah, GA 31404
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 Phone (813) 885-7427 Fax: (813) 885-7049  
 Phone (504) 764-1100 Fax: (504) 725-1163

PROJECT REFERENCE <i>Ft. Story - LARC</i>		PROJECT NO. <i>0295-539 T.O. - 002</i>	P.O. NUMBER <i>T.O. - 002</i>	MATRIX TYPE	REQUIRED ANALYSES	PAGE	OF
PROJECT LOC. (State) <i>VA</i>	SAMPLER(S) NAME <i>S.A. Darley</i>	PHONE		AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (oil, solvent, etc)	<i>TCL VOCs TPH LYLH TPH TPH TA VOCs TAL Metals TAL T TAL T</i>	STANDARD REPORT DELIVERY <input type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge) <input type="checkbox"/> Date Due: _____	
CLIENT NAME <i>Malcolm Pirnie</i>	CLIENT PROJECT MANAGER						
CLIENT ADDRESS (CITY, STATE, ZIP)							

SAMPLE		SL NO.	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS SUBMITTED							REMARKS	
DATE	TIME			AQUEOUS	SOLID	AIR	NONAQUEOUS	LIQUID	OTHER	OTHER		
<i>3/2/95</i>	<i>0900</i>		<i>TB06-030295</i>	<input checked="" type="checkbox"/>								<i>Imp. Blank</i>
<i>3/2/95</i>	<i>0330</i>		<i>GW06-007</i>	<input checked="" type="checkbox"/>								
<i>3/2/95</i>	<i>0330</i>		<i>GW06-700</i>	<input checked="" type="checkbox"/>								
<i>3/2/95</i>	<i>0330</i>		<i>GW06-007T</i>	<input checked="" type="checkbox"/>								
<i>3/2/95</i>	<i>0330</i>		<i>GW06-700T</i>	<input checked="" type="checkbox"/>								

*WYS No. 2301 2740 135*

*9 6 4 4 2 2 2*

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

**LABORATORY USE ONLY**

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT <input type="checkbox"/> YES <input type="checkbox"/> NO	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
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# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

- 15102 LaRoche Avenue, Savannah, GA 31404
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 Phone: (504) 764-1100 Fax: (504) 725-1163

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE <i>11, Story - LAPC</i>		PROJECT NO. <i>0285-5A</i>	P.O. NUMBER <i>T.O. - 002</i>	MATRIX TYPE	REQUIRED ANALYSES	PAGE	OF
PROJECT LOC (State) <i>VA</i>	SAMPLER(S) NAME <i>S.A. Daley</i>		PHONE	AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (oil solvent, etc)	<i>ICL VOLs</i> <i>TPH Light</i> <i>ICL VOLs</i> <i>TPH Heavy</i>	STANDARD REPORT DELIVERY <input checked="" type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge) <input type="checkbox"/> Date Due: _____	
CLIENT NAME <i>Malcolm Pirnie</i>	CLIENT PROJECT MANAGER		FAX				
CLIENT ADDRESS (CITY, STATE, ZIP)							

SAMPLE		SL NO.	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS SUBMITTED				REMARKS	
DATE	TIME			AQUEOUS	SOLID	AIR	NONAQUEOUS		
<i>6/2/95</i>	<i>1015</i>		<i>6-006-000</i>	<input checked="" type="checkbox"/>				<i>3 3 2 2</i>	
<i>6/2/95</i>	<i>1345</i>		<i>Broken label time record 6-006-006X</i>					<i>3 3 2 2</i>	
UPS No. <i>0561 2742 id 76</i> <i>66 44</i>									

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR LABORATORY BY: <i>[Signature]</i>	DATE	LABORATORY USE ONLY	CUSTOMER NO.	SL LOG NO.	LABORATORY REMARKS:
		<input type="checkbox"/> YES <input type="checkbox"/> NO			

# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

- 102 LaRoche Avenue, Savannah, GA 31404
- 2846 Industrial Plaza Drive, Tallahassee, FL 32301
- 414 SW 12th Avenue, Deerfield Beach, FL 33442
- 900 Lakeside Drive, Mobile, AL 36693
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 Phone: (813) 885-7427 Fax: (813) 885-7049  
 Phone: (504) 764-1100 Fax: (504) 725-1163

PROJECT REFERENCE <i>Ft. Story - LARC</i>		PROJECT NO. <i>0285-539</i>	P.O. NUMBER <i>T.O. - 002</i>	MATRIX TYPE	REQUIRED ANALYSES				PAGE	OF	
PROJECT LOC (State) <i>VA</i>	SAMPLER(S) NAME <i>S.A. Bailey</i>	PHONE		AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (oil, solvent, etc)	<i>TCL VOCs</i> <i>TPH Light</i> <i>TPH Heavy</i> <i>SVOCs</i>				STANDARD REPORT DELIVERY <input checked="" type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge) <input type="checkbox"/> Date Due: _____		
CLIENT NAME <i>Makela Piracic</i>		CLIENT PROJECT MANAGER									
CLIENT ADDRESS (CITY, STATE, ZIP)											
SAMPLE		SAMPLE IDENTIFICATION			NUMBER OF CONTAINERS SUBMITTED				REMARKS		
DATE	TIME										
<i>3/1/95</i>	<i>1730</i>	<i>GW06-001</i>			<i>X</i>	<i>3</i>	<i>3</i>	<i>2</i>	<i>2</i>		
<i>3/1/95</i>	<i>1530</i>	<i>GW06-005</i>									
<i>3/1/95</i>	<i>1630</i>	<i>GW06-003</i>			<i>X</i>	<i>3</i>	<i>3</i>	<i>2</i>	<i>2</i>		
UPS No. <i>0561 2743 000</i> <i>6 6 4 4</i>											
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)		DATE	TIME
				<i>Stall</i>		<i>3/1/95</i>	<i>1730</i>				
RECEIVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME

**LABORATORY USE ONLY**

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	LABORATORY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
		<input type="checkbox"/> YES <input type="checkbox"/> NO			

# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

- 5102 LaRoche Avenue, Savannah, GA 31404 Phone: (912) 354-7858 Fax: (912) 352-0165
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- 6712 Benjamin Road, Suite 100, Tampa, FL 33634 Phone: (813) 885-7427 Fax: (813) 885-7049
- 110 Alpha Drive, Destrehan, LA 70047 Phone: (504) 764-1100 Fax: (504) 725-1163

PROJECT REFERENCE <b>Ft. Story LARC</b>		PROJECT NO. <b>0295-531</b>	P.O. NUMBER <b>7.0.-002</b>	MATRIX TYPE	REQUIRED ANALYSES	PAGE	OF
PROJECT LOC (State) <b>VA</b>	SAMPLER(S) NAME	PHONE		AQUEOUS (WATER) SOLID OR SEMISOLID AIR NON-AQUEOUS LIQUID (oil, solvent, etc)	CL VLS TPH L/L CL SWG TPH L/L	STANDARD REPORT DELIVERY <input checked="" type="checkbox"/>	EXPEDITED REPORT DELIVERY (surcharge) <input type="checkbox"/>
CLIENT NAME <b>Mac Pirnie</b>	CLIENT PROJECT MANAGER						
CLIENT ADDRESS (CITY, STATE, ZIP)							

SAMPLE			SAMPLE IDENTIFICATION	AQUEOUS (WATER) SOLID OR SEMISOLID AIR NON-AQUEOUS LIQUID (oil, solvent, etc)	NUMBER OF CONTAINERS SUBMITTED				REMARKS	
DATE	TIME	NO.								
3/1/95	2300		TB06-030195	X		3				Blank
3/1/95	1200		GW06-003	X		3	3	2	2	
3/1/95	1240		Bottle label incorrect							
3/1/95	1330		ER06-GW-030195	X		3	3			Residue
3/1/95	1345		GW06-0032	X		3	3	2	2	
3/1/95	1345		GW06-200	X		3	3	2	2	
UPS. 0561 2742 994										

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			<i>Scott A. [Signature]</i>	3/1/95	1730			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

<b>LABORATORY USE ONLY</b>					
RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
		<input type="checkbox"/> YES <input type="checkbox"/> NO			

# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

5102 LaRoche Avenue, Savannah, GA 31404 Phone: (912) 354-7858 Fax: (912) 352-0165  
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 110 Alpha Drive, Destrehan, LA 70047 Phone: (504) 764-1100 Fax: (504) 725-1163

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE Fl. Story LARC		PROJECT NO. 0285-589	P.O. NUMBER T.O. 002	MATRIX TYPE	REQUIRED ANALYSES	PAGE   OF
PROJECT LOC. (State) VA	SAMPLER(S) NAME W. Friedman	PHONE (804) 873-8700	FAX (804) 873-8723	AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (OIL, GREASE, ETC.)	TCL VOCs TPH Light TCL SVOCs TPH Heavy TAL Metals TAL CN TAL H <sub>2</sub>	STANDARD REPORT DELIVERY <input checked="" type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge) <input type="checkbox"/> Date Due: _____
CLIENT NAME Malcolm Pimie	CLIENT PROJECT MANAGER Tony Pace					
CLIENT ADDRESS (CITY, STATE, ZIP) Newport News, VA 23606						

SAMPLE		SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, GREASE, ETC.)	NUMBER OF CONTAINERS SUBMITTED							REMARKS
DATE	TIME						HCL	HCL	Nitric	NaOH	Nitric			
4/13/95	1545	6MW-3D	X				3	3	2	2				
4/13/95	1630	6MW-2	X				3	3	2	2				
4/13/95	1630	6MW-2T	X							1	1	1		
4/13/95	1630	6MW-2F	X							1	1	1		
4/13/95	0800	6GW-TB-41395	X				3							
		TOTAL					9	6	4	4	2	2	2	
													UPS No. 0561 2742 145	

RELINQUISHED BY: (SIGNATURE) [Signature]	DATE	TIME	RELINQUISHED BY: (SIGNATURE) [Signature]	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE) [Signature]	DATE	TIME	RECEIVED BY: (SIGNATURE) [Signature]	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR LABORATORY USE: \_\_\_\_\_

LABORATORY REMARKS: \_\_\_\_\_

# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

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 110 Alpha Drive, Destrehan, LA 70047 Phone (504) 764-1100 Fax: (504) 725-1163

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE <b>Ft. Story WAC</b>		PROJECT NO. <b>02-85-509</b>	P.O. NUMBER <b>T.O. 002</b>	MATRIX TYPE	REQUIRED ANALYSES	PAGE 1 OF 1
PROJECT LOC. (State) <b>VA</b>	SAMPLER(S) NAME <b>W. FRIEDMANN</b>	PHONE <b>(804) 873-8700</b>	FAX <b>(804) 873-8723</b>	AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (oil, solvent, etc.)	TCL ALPHA TPH LIGHT TCL BUDS TPH HEAVY	STANDARD REPORT DELIVERY <input checked="" type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge) <input type="checkbox"/> Date Due: _____
CLIENT NAME <b>M. Leeper Farms</b>		CLIENT PROJECT MANAGER <b>Tracy Pearce</b>				
CLIENT ADDRESS (CITY, STATE, ZIP) <b>Newport News, VA 23606</b>						

SAMPLE		SAMPLE IDENTIFICATION	MATRIX	NUMBER OF CONTAINERS SUBMITTED				REMARKS
DATE	TIME			HCL	HCL	...	...	
4/14/95	0746	BMW #1	X	3				
4/14/95	0820	MW-118 IT	X	3	1	1	1	
4/14/95	0905	MW-117 IF	X	3	1	1	1	
4/14/95	1015	BMW-35-MS	X	3	1	1	1	
4/14/95	1015	BMW-35-MS	X	3	1	1	1	
4/14/95	1015	BMW-35-MSD	X	3				UPS No. 0561-2742-163
4/14/95	0905	MW-711	X	3	3			
4/14/95	1155	MW-115	X	3	3			
4/14/95	1236	BMW-4	X	3	3	2	2	
4/14/95	0800	BMW-TB-41495	X	3				
		TOTAL		30	27	2	2	

RELINQUISHED BY: (SIGNATURE) <i>Samuel</i>	DATE <b>3/22</b>	TIME <b>3:00</b>	RELINQUISHED BY: (SIGNATURE) <i>AK Pau</i>	DATE <b>4/14/95</b>	TIME <b>1430</b>	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR LABORATORY	LABORATORY NO.	LABORATORY REMARKS:
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# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

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 Phone (504) 764 1100 Fax (504) 725-1163

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE <b>Fl. Story LARC</b>	PROJECT NO. <b>0285-589</b>	P.O. NUMBER <b>TD. 002</b>	MATRIX TYPE	REQUIRED ANALYSES	PAGE 1	OF 1
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PROJECT LOC. (State) <b>VA</b>	SAMPLER(S) NAME <b>W. FRIEDMANN</b>	PHONE <b>(804) 873-8700</b>	FAX <b>(804) 873-8723</b>	AQUEOUS (WATER) SOLID OR SEMI-SOLID AIR NON-AQUEOUS LIQUID (oil, solvent, etc.)		
-----------------------------------	--	--------------------------------	------------------------------	--	--	--

CLIENT NAME <b>Malcolm Pirnie</b>	CLIENT PROJECT MANAGER <b>Tony Pace</b>	<input checked="" type="checkbox"/> STANDARD REPORT DELIVERY <input type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge)
--------------------------------------	--	--

CLIENT ADDRESS (CITY, STATE, ZIP)  
**Newport News, VA 23606**

Date Due: \_\_\_\_\_

SAMPLE		SAMPLE IDENTIFICATION	MATRIX	NUMBER OF CONTAINERS SUBMITTED					REMARKS
DATE	TIME			TCL SVOCs	TPH Heavy	TAL METALS	TAL CN	TAL HS	
4/14/95	1015	6 MW-35-MS	X	2	2	1	1	1	UFS No. 0561-2742-172
4/14/95	1015	6 MW-35-MSD	X	2	2	1	1	1	
<b>TOTAL</b>				<b>4</b>	<b>4</b>	<b>2</b>	<b>2</b>	<b>2</b>	

RELINQUISHED BY: (SIGNATURE) <b>AK Pace</b>	DATE <b>4/14/95</b>	TIME <b>1430</b>	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR LABORATORY USE

LABORATORY NO. \_\_\_\_\_

LABORATORY REMARKS:

# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

- 5102 LaRoche Avenue, Savannah, GA 31404 Phone: (912) 354-7858 Fax: (912) 352-0165
- 2846 Industrial Plaza Drive, Tallahassee, FL 32301 Phone: (904) 878-3994 Fax: (904) 878-9504
- 414 SW 12th Avenue, Deerfield Beach, FL 33442 Phone: (305) 421-7400 Fax: (305) 421-2584
- 900 Lakeside Drive, Mobile, AL 36693 Phone: (334) 666-6633 Fax: (334) 666-6696
- 6712 Benjamin Road, Suite 100, Tampa, FL 33634 Phone: (813) 885-7427 Fax: (813) 885-7049
- 110 Alpha Drive, Destrehan, LA 70047 Phone: (504) 764-1100 Fax: (504) 725-1163

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE <b>Ft Story LARC</b>		PROJECT NO. <b>0285-589</b>	P.O. NUMBER <b>T.O. 002</b>	MATRIX TYPE	REQUIRED ANALYSES	PAGE 1 OF 1
PROJECT LOC. (State) <b>VA</b>	SAMPLER(S) NAME <b>W. FRIEDMANN</b>	PHONE <b>(804) 873-8700</b>	FAX <b>(804) 873-8723</b>	AQUEOUS (WATER) SOLID OR SEMISOLID AIR NON-AQUEOUS LIQUID (oil, solvent, etc.)	TCL SVCS TPH Method TAP METALS TAL CN TAL Hg Nitric NOOH Nitro	STANDARD REPORT DELIVERY <input checked="" type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge) <input type="checkbox"/> Date Due: _____
CLIENT NAME <b>MALCOLM PIRNIE</b>		CLIENT PROJECT MANAGER <b>Tony Poe</b>				
CLIENT ADDRESS (CITY, STATE, ZIP) <b>Newport News VA 23606</b>						

SAMPLE		SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS SUBMITTED						REMARKS				
DATE	TIME		AQ	SL	AI	NAL	TCL	TPH		TAP	TAL		
4/11/95	0905	MW-117	X			2	2						
4/14/95	0905	MW-711	X			2	2						
4/14/95	0905	MW-117T	X					1	1	1			
4/14/95	0905	MW-117F	X					1	1	1			
		<b>TOTAL</b>				<b>4</b>	<b>4</b>	<b>2</b>	<b>2</b>	<b>2</b>			

UIC NO.  
0561-2742-190

RELINQUISHED BY: (SIGNATURE) <b>EMPTY CONTAINERS</b>	DATE	TIME	RELINQUISHED BY: (SIGNATURE) <b>AK Poe</b>	DATE <b>4/14/95</b>	TIME <b>1430</b>	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE) <b>EMPTY CONTAINERS</b>	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR LABORATORY USE	LABORATORY NO.	LABORATORY REMARKS:
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# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

- 5102 LaRoche Avenue, Savannah, GA 31404
- 2846 Industrial Plaza Drive, Tallahassee, FL 32301
- 414 SW 12th Avenue, Deerfield Beach, FL 33442
- 900 Lakeside Drive, Mobile, AL 36693
- 6712 Benjamin Road, Suite 100, Tampa, FL 33634
- 110 Alpha Drive, Destrehan, LA 70047

Phone: (912) 354-7858 Fax: (912) 352-0165  
 Phone: (904) 878-3994 Fax: (904) 878-9504  
 Phone: (305) 421-7400 Fax: (305) 421-2584  
 Phone: (334) 666-6633 Fax: (334) 666-6696  
 Phone: (813) 885-7427 Fax: (813) 885-7049  
 Phone: (504) 764-1100 Fax: (504) 725-1163

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE Fl Slurry LARC		PROJECT NO. 0285-569	P.O. NUMBER T.D. 002	MATRIX TYPE	REQUIRED ANALYSES					PAGE 1 of 1		
PROJECT LOC. (State) VA	SAMPLER(S) NAME W. FRIEDMANN	PHONE (804) 873-8700	FAX (804) 873-8723	AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)	TCL SVCS TPH Heavy TAL Metals TAL CN TAL Hg Nitric NADH / Min					STANDARD REPORT DELIVERY <input checked="" type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge) <input type="checkbox"/> Date Due: _____		
CLIENT NAME Malcolm Pirnie		CLIENT PROJECT MANAGER Tony Pace										
CLIENT ADDRESS (CITY, STATE, ZIP) Newport News VA 23606												
SAMPLE		SAMPLE IDENTIFICATION			NUMBER OF CONTAINERS SUBMITTED					REMARKS		
DATE	TIME											
A/14/95	0850	MW-118			X		2	2				
A/14/95	0740	6 MW-1			X		2	2				
A/14/95	0830	MW-118T			X				1	1	1	
A/14/95	0820	MW-118F			X				1	1	1	
		TOTAL					4	4	2	2	2	
UPS No. 0561-2742-181												

RELINQUISHED BY: (SIGNATURE) CONTAINERS	DATE	TIME	RELINQUISHED BY: (SIGNATURE) AK Pace	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE) CONTAINERS	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
RECEIVED FOR LAB						LABORATORY REMARKS:		

# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

- 5102 LaRoche Avenue, Savannah, GA 31404
- 2846 Industrial Plaza Drive, Tallahassee, FL 32301
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- Phone: (504) 764-1100 Fax: (504) 725-1163

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE <b>Ft. Story LAAC</b>		PROJECT NO. <b>0285-589</b>	P.O. NUMBER <b>T.O. 002</b>	MATRIX TYPE	REQUIRED ANALYSES	PAGE 1 OF 1
PROJECT LOC. (State) <b>VA</b>	SAMPLER(S) NAME <b>W. FRIEDMANN</b>	PHONE <b>(804) 873-8700</b>	FAX <b>(804) 873-8723</b>	AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (oil, solvent, etc.)	TCL SVOCs TPH Heavy TAL METALS TAL CN TAL HS	STANDARD REPORT DELIVERY <input checked="" type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge) <input type="checkbox"/> Date Due: _____
CLIENT NAME <b>Malcolm Pirnie</b>		CLIENT PROJECT MANAGER <b>Tony Pace</b>				
CLIENT ADDRESS (CITY, STATE, ZIP) <b>Newport News, VA 23606</b>						

SAMPLE		SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS SUBMITTED						REMARKS					
DATE	TIME		AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (oil, solvent, etc.)	TCL SVOCs	TPH Heavy		TAL METALS	TAL CN	TAL HS		
4/14/95	1015	6 MW-3S	X				2	2						
4/14/95	1015	6 MW-3ST	X						1	1	1			
4/14/95	1015	6 MW-3SF	X						1	0	1			
4/14/95	1155	MW-115	X				2	2						
		<b>TOTAL</b>					<b>4</b>	<b>4</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>2</b>		

UPS No.  
0561-2742-207

RELINQUISHED BY: (SIGNATURE) <b>AK Pace</b>	DATE <b>4/14/95</b>	TIME <b>1430</b>	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR LAB	LABORATORY REMARKS:
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# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

- 102 LaRoche Avenue, Savannah, GA 31404
- 2846 Industrial Plaza Drive, Tallahassee, FL 32301
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- 900 Lakeside Drive, Mobile, AL 36693
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- 110 Alpha Drive, Destrehan, LA 70047

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 Phone: (904) 878-3994 Fax: (904) 878-9504  
 Phone: (305) 421-7400 Fax: (305) 421-2584  
 Phone: (205) 666-6633 Fax: (205) 666-6666  
 Phone: (813) 885-7427 Fax: (813) 885-7049  
 Phone: (504) 764-1100 Fax: (504) 725-1163

PROJECT REFERENCE <b>Ht. Story - LARC</b>		PROJECT NO. <b>0285-539</b>	P.O. NUMBER <b>T.O. - 002</b>	MATRIX TYPE	REQUIRED ANALYSES	PAGE	OF
PROJECT LOC (State) <b>VA</b>	SAMPLER(S) NAME <b>S.A. Barley</b>		PHONE	STANDARD REPORT DELIVERY <input checked="" type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge) <input type="checkbox"/> Date Due: _____			
CLIENT NAME <b>Malcolm Pirnie</b>	CLIENT PROJECT MANAGER		FAX				
CLIENT ADDRESS (CITY, STATE, ZIP)							

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS SUBMITTED								REMARKS		
			AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (w/ solvent)	TPH	TCL	TPH Heavy	TCL SVOCs			
3/7/95	0830	GW06-015	X				3	3	2	2			
3/7/95	0800	TB06-030795	X					3					Trip Blank
3/7/95	0930	GW06-016	X				3	3	2	2			
3/7/95	1115	GW06-017	X				3	3					
3/7/95	1220	ER07-GW-030795	X				3	3					Rinse
3/7/95	12:40	GW07-026	X				3	3					
3/7/95	13:45	GW06-025	X					3					
3/7/95	14:45	GW04-018	X				3	3					
UPS No. 0561 2742 967 1B 24 4 4													

RELINQUISHED BY: (SIGNATURE) <b>[Signature]</b>	DATE	TIME	RELINQUISHED BY: (SIGNATURE) <b>[Signature]</b>	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE) <b>[Signature]</b>	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

- 5102 LaRoche Avenue, Savannah, GA 31404 Phone (912) 354-7858 Fax: (912) 352-0165
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- 110 Alpha Drive, Destrehan, LA 70047 Phone (504) 764-1100 Fax: (504) 725-1163

PROJECT REFERENCE <i>H. Story, A. G. (C. H.)</i>		PROJECT NO. <i>2285-540</i>	P.O. NUMBER <i>7.2. 113</i>	MATRIX TYPE	REQUIRED ANALYSES	PAGE	OF
PROJECT LOC (State) <i>VA</i>	SAMPLER(S) NAME <i>S.A. Bailey</i>	PHONE		AQUEOUS (WATER, SOLID OR SEMI-SOLID AIR) NONAQUEOUS LIQUID (oil, solvent, etc.)	<i>TPH LYL</i> <i>TCL WGS</i> <i>TPH LYL</i> <i>TCL WGS</i> <i>TPH HPA</i> <i>TCL WGS</i>	<input checked="" type="checkbox"/> STANDARD REPORT DELIVERY <input type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge)	Date Due: _____
CLIENT NAME <i>Mohd. Pirnie</i>	CLIENT PROJECT MANAGER						
CLIENT ADDRESS (CITY, STATE, ZIP)							

SAMPLE		SL NO.	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS SUBMITTED				REMARKS
DATE	TIME			AQ	NS	NA	NA	
<i>2/27/15</i>	<i>1215</i>		<i>GW07-021</i>	<i>X</i>		<i>3</i>	<i>2</i>	
<i>2/27/15</i>	<i>0915</i>		<i>GW07-021 MS</i>	<i>X</i>		<i>3</i>	<i>3</i>	
<i>2/27/15</i>	<i>0915</i>		<i>GW07-021 ASD</i>	<i>X</i>		<i>3</i>	<i>3</i>	
<i>2/27/15</i>	<i>0915</i>		<i>SS07-001-01</i>		<i>X</i>			<i>surface soil</i>
<i>2/27/15</i>	<i>1242</i>		<i>FR04-GW-222795</i>	<i>X</i>		<i>3</i>	<i>3</i>	<i>1</i>
<i>2/27/15</i>	<i>320</i>		<i>TR04-222795</i>	<i>X</i>				<i>1</i>
<i>2/27/15</i>	<i>1245</i>		<i>GW04-015</i>	<i>X</i>		<i>3</i>	<i>3</i>	<i>2 2</i>

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RELINQUISHED BY (SIGNATURE)	DATE	TIME	RELINQUISHED BY (SIGNATURE)	DATE	TIME
			<i>[Signature]</i>	<i>2/27/15</i>	<i>1145</i>			
RECEIVED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY							
RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:	
			<input type="checkbox"/> YES <input type="checkbox"/> NO				

# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

- 15102 LaRoche Avenue, Savannah, GA 31404
- 2846 Industrial Plaza Drive, Tallahassee, FL 32301
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 Phone (813) 885-7427 Fax: (813) 885-7049  
 Phone (504) 764-1100 Fax: (504) 725-1163

PROJECT REFERENCE <i>Fl. Story - LANC</i>		PROJECT NO. <i>0205-539</i>	P.O. NUMBER <i>7.0. - 202</i>	MATRIX TYPE	REQUIRED ANALYSES	PAGE	OF
PROJECT LOC. (State) <i>VA</i>	SAMPLER(S) NAME <i>S.A. Bailey</i>		PHONE	AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (oil, solvent, etc)	<i>TCL SVXs</i> <i>TPH Light</i> <i>TCL SVXs</i> <i>TPH Heavy</i>		
CLIENT NAME <i>Mar. P. Inc.</i>	CLIENT PROJECT MANAGER		FAX				
CLIENT ADDRESS (CITY, STATE, ZIP)							
						<input checked="" type="checkbox"/> STANDARD REPORT DELIVERY <input type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge)	
Date Due: _____							

SAMPLE		SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)		SOLID OR SEMISOLID		NONAQUEOUS LIQUID (oil, solvent, etc)		NUMBER OF CONTAINERS SUBMITTED				REMARKS
DATE	TIME													
<i>3/7/95</i>	<i>11:15</i>		<i>GW06-017</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<i>2</i>	<i>2</i>			
<i>3/7/95</i>	<i>12:40</i>		<i>GW07-006</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<i>2</i>	<i>2</i>			
<i>0561 2742 949</i>														
<i>4 7</i>														

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			<i>[Signature]</i>	<i>3/7/95</i>	<i>1730</i>			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
			<i>[Signature]</i>					

LABORATORY USE ONLY							
RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:	
			<input type="checkbox"/> YES <input type="checkbox"/> NO				

# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

- 5102 LaRoche Avenue, Savannah, GA 31404      Phone (912) 354-7858      Fax: (912) 352-0165
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- 110 Alpha Drive, Destrehan, LA 70047      Phone (504) 764-1100      Fax: (504) 725-1163

PROJECT REFERENCE <i>Fl. Sta. AutoCrat</i>		PROJECT NO. <i>0285-590</i>	P.O. NUMBER <i>T.O. 003</i>	MATRIX TYPE	REQUIRED ANALYSES	PAGE	OF
PROJECT LOC (State) <i>VA</i>	SAMPLER(S) NAME <i>S.A. Bailey</i>	PHONE		AQUEOUS WATER SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (oil solvent, etc)	TAL Hg TAL Metals TAL CN TPH Heavy TCL Snags	<input checked="" type="checkbox"/> STANDARD REPORT DELIVERY  <input type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge)	Date Due: _____
CLIENT NAME <i>Malcolm Pirnie</i>		CLIENT PROJECT MANAGER					
CLIENT ADDRESS (CITY, STATE, ZIP)							

SAMPLE			SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS SUBMITTED						REMARKS		
DATE	TIME	NO.		AQUEOUS WATER	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	TAL Hg	TAL Metals		TAL CN	TPH Heavy
<i>2/27/95</i>	<i>0915</i>		<i>GW07-001 T</i>	<input checked="" type="checkbox"/>				<i>1</i>	<i>1</i>	<i>1</i>		
<i>2/27/95</i>	<i>0915</i>		<i>GW07-001 MS</i>	<input checked="" type="checkbox"/>				<i>1</i>	<i>1</i>	<i>1</i>	<i>2</i>	<i>2</i>
<i>2/27/95</i>	<i>0915</i>		<i>GW07-001 MSD</i>	<input checked="" type="checkbox"/>				<i>1</i>	<i>1</i>	<i>1</i>	<i>2</i>	<i>2</i>
<i>2/27/95</i>	<i>0915</i>		<i>GW07-001</i>	<input checked="" type="checkbox"/>							<i>2</i>	<i>2</i>
								<i>3</i>	<i>3</i>	<i>3</i>	<i>6</i>	<i>6</i>

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			<i>[Signature]</i>	<i>2/27/95</i>	<i>1700</i>			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

**LABORATORY USE ONLY**

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	IN BODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
		<input type="checkbox"/> YES <input type="checkbox"/> NO			

# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

- 5102 LaRoche Avenue, Savannah, GA 31404
- 2846 Industrial Plaza Drive, Tallahassee, FL 32301
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 Phone (813) 885-7427 Fax: (813) 885-7049  
 Phone (504) 764-1100 Fax: (504) 725-1163

PROJECT REFERENCE <i>Ft. Story - Atlanta</i>		PROJECT NO. <i>0655 590</i>	P.O. NUMBER <i>T.O. - 223</i>	MATRIX TYPE	REQUIRED ANALYSES	PAGE	OF
PROJECT LOC (State) <i>VA</i>	SAMPLER(S) NAME <i>S.A. Bailey</i>	PHONE		AQUEOUS (WATER, LIQUID OR SEMISOLID) AIR NONAQUEOUS LIQUID (oil, solvent, etc)	<i>TCL VILCS TCL SURCS TTH HPLC TTH LPLC</i>	<input checked="" type="checkbox"/> STANDARD REPORT DELIVERY  <input type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge)	
CLIENT NAME <i>Mark-In Pirnie</i>	CLIENT PROJECT MANAGER						
CLIENT ADDRESS (CITY, STATE, ZIP)							

SAMPLE		SL NO.	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS SUBMITTED			REMARKS
DATE	TIME			A	B	C	
<i>2/24/95</i>	<i>1400</i>						
<i>2/24/95</i>	<i>1430</i>		<i>GW07-003</i>	<i>X</i>	<i>2</i>	<i>2</i>	<i>AWB</i>
<i>2/24/95</i>	<i>1600</i>		<i>GW07-004</i>	<i>X</i>	<i>2</i>	<i>2</i>	
				<i>UPS No. 0561 2745 273</i>			
				<i>4 4</i>			

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			<i>[Signature]</i>	<i>2/24/95</i>	<i>1730</i>			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

**LABORATORY USE ONLY**

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT <input type="checkbox"/> YES <input type="checkbox"/> NO	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:



# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

- 5102 LaRoche Avenue, Savannah, GA 31404
- 2846 Industrial Plaza Drive, Tallahassee, FL 32301
- 414 SW 12th Avenue, Deerfield Beach, FL 33442
- 900 Lakeside Drive, Mobile, AL 36693
- 6712 Benjamin Road, Suite 100, Tampa, FL 33634
- 110 Alpha Drive, Destrehan, LA 70047

Phone (912) 354-7858 Fax: (912) 352-0165  
 Phone (904) 878-3994 Fax: (904) 878-9504  
 Phone (305) 421-7400 Fax: (305) 421-2584  
 Phone (205) 666-6633 Fax: (205) 666-6696  
 Phone (813) 885-7427 Fax: (813) 885-7049  
 Phone (504) 764-1100 Fax: (504) 725-1163

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE <i>H. Sbrv AutoGrift</i>		PROJECT NO. <i>0285-590</i>	P.O. NUMBER <i>T.O. - 003</i>	MATRIX TYPE	REQUIRED ANALYSES				PAGE	OF
PROJECT LOC (State) <i>VA</i>	SAMPLER(S) NAME <i>S. A. Bailey</i>	PHONE		AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (oil solvent, etc)	TCL VOCs TPH L/LH TAL CN TAL Metals TAL L/L TPH H/LH TCL SWDS	<input checked="" type="checkbox"/> STANDARD REPORT DELIVERY <input type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge)				
CLIENT NAME <i>Makolm Piquie</i>		CLIENT PROJECT MANAGER								
CLIENT ADDRESS (CITY, STATE, ZIP)										

SAMPLE		SL NO.	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS SUBMITTED								REMARKS		
DATE	TIME			A	B	C	D	E	F	G	H			
<i>2/24/95</i>	<i>1130</i>		<i>ER07-GW-022495</i>	<i>X</i>		<i>3</i>	<i>3</i>							<i>Kinsate</i>
<i>2/24/95</i>	<i>1145</i>		<i>GW07-005</i>	<i>X</i>		<i>3</i>	<i>3</i>			<i>2</i>	<i>2</i>			
<i>2/24/95</i>	<i>1145</i>		<i>GW07-005T</i>	<i>X</i>				<i>1</i>	<i>1</i>	<i>1</i>				
<i>2/24/95</i>	<i>0915</i>		<i>GW07-002</i>	<i>X</i>		<i>3</i>	<i>3</i>							
<i>2/24/95</i>	<i>1430</i>		<i>GW07-003</i>	<i>X</i>		<i>3</i>	<i>3</i>							
<i>2/24/95</i>	<i>0900</i>		<i>TB07-GW-022495</i>	<i>X</i>		<i>3</i>								
<i>2/24/95</i>	<i>0915</i>		<i>GW07-200</i>	<i>X</i>		<i>3</i>	<i>3</i>							
<i>2/24/95</i>	<i>1000</i>		<i>GW07-004</i>	<i>X</i>		<i>3</i>	<i>3</i>							
						<i>21</i>	<i>13</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>2</i>	<i>2</i>		

*UPS No. 2501 2743 084*

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

<b>LABORATORY USE ONLY</b>						
RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT <input type="checkbox"/> YES <input type="checkbox"/> NO	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:



# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

- 5102 LaRoche Avenue, Savannah, GA 31404
- 2846 Industrial Plaza Drive, Tallahassee, FL 32301
- 414 SW 12th Avenue, Deerfield Beach, FL 33442
- 900 Lakeside Drive, Mobile, AL 36693
- 6712 Benjamin Road, Suite 100, Tampa, FL 33634
- 110 Alpha Drive, Destrehan, LA 70047

Phone: (912) 354-7858 Fax: (912) 352-0165  
 Phone: (904) 878-3994 Fax: (904) 878-9504  
 Phone: (305) 421-7400 Fax: (305) 421-2584  
 Phone: (334) 666-6633 Fax: (334) 666-6696  
 Phone: (813) 885-7427 Fax: (813) 885-7049  
 Phone: (504) 764-1100 Fax: (504) 725-1163

PROJECT REFERENCE <b>Ft Story Auto Craft</b>		PROJECT NO. <b>0255-590</b>	P.O. NUMBER <b>T.O. 003</b>	MATRIX TYPE	REQUIRED ANALYSES					PAGE   OF
PROJECT LOC (State) <b>VA</b>	SAMPLER(S) NAME <b>W. FRIEDMANN</b>	PHONE <b>(804) 873-8700</b>	FAX <b>(804) 873-8723</b>	AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (oil, solvent, etc)	TCL SVOCs	TPH Heavy	TA Metals	TAL CN	TAL HS	STANDARD REPORT DELIVERY <input checked="" type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge) <input type="checkbox"/> Date Due: _____
CLIENT NAME <b>MALCOLM PIRNIE</b>		CLIENT PROJECT MANAGER <b>TONY PACE</b>			N.H.C. N.O.H. N.H.P.					
CLIENT ADDRESS (CITY, STATE, ZIP) <b>NEWPORT NEWS, VA 23606</b>										

SAMPLE		SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS SUBMITTED					REMARKS	
DATE	TIME								
4/13/95	1110	MW-119	X	2	2				
4/13/95	1110	MW-911	X	2	2				
4/13/95	1110	MW-119T	X			1	1	1	
4/13/95	1110	MW-119F	X			1	1	1	
4/13/95	1110	MW-911T	X			1	1	1	
4/13/95	1110	MW-911F	X			1	1	1	
		<b>TOTAL</b>		<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	

UPS No. 0561 0742 458

RELINQUISHED BY: (SIGNATURE) <b>[Signature]</b>	DATE	TIME	RELINQUISHED BY: (SIGNATURE) <b>[Signature]</b>	DATE <b>4/13/95</b>	TIME <b>1900</b>	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE) <b>[Signature]</b>	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR LABORATORY USE: \_\_\_\_\_

LABORATORY NO. \_\_\_\_\_

LABORATORY REMARKS: \_\_\_\_\_

# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

- 5102 LaRoche Avenue, Savannah, GA 31404 Phone: (912) 354-7858 Fax: (912) 352-0165
- 2846 Industrial Plaza Drive, Tallahassee, FL 32301 Phone: (904) 878-3994 Fax: (904) 878-9504
- 414 SW 12th Avenue, Deerfield Beach, FL 33442 Phone: (305) 421-7400 Fax: (305) 421-2584
- 900 Lakeside Drive, Mobile, AL 36693 Phone: (334) 666-6633 Fax: (334) 666-6696
- 6712 Benjamin Road, Suite 100, Tampa, FL 33634 Phone: (813) 885-7427 Fax: (813) 885-7049
- 110 Alpha Drive, Destrehan, LA 70047 Phone: (504) 764-1100 Fax: (504) 725-1163

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE <b>Ft. Story Auto Craft</b>		PROJECT NO. <b>0285-590</b>	P.O. NUMBER <b>T.O. 003</b>	MATRIX TYPE	REQUIRED ANALYSES				PAGE 1 OF 1
PROJECT LOC (State) <b>VA</b>	SAMPLER(S) NAME <b>B. FRIEDMANN</b>		PHONE <b>(804) 873-8700</b>	AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (oil solvent, etc)	TCL SVCS	TPH HP&UV	TAL METALS	TAL CN	TAL Hg
CLIENT NAME <b>Malcolm Pieme</b>		CLIENT PROJECT MANAGER <b>Tony Pace</b>							
CLIENT ADDRESS (CITY, STATE, ZIP) <b>Newport News, VA 23606</b>			FAX <b>(804) 873-8723</b>		Date Due: _____				

SAMPLE		SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS SUBMITTED					REMARKS			
DATE	TIME		AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (oil solvent, etc)					
4/13/95	1110	MW-119-MS	X			2	2	1	1	1	
4/13/95	1110	MW-119-MSD	X			2	2	1	1	1	
		TOTAL				4	4	2	2	2	

UPS No. 0561 2742 449

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RECEIVED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR LABORATORY	LABORATORY NO.	LABORATORY REMARKS:
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# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

- 5102 LaRoche Avenue, Savannah, GA 31404
- 2846 Industrial Plaza Drive, Tallahassee, FL 32301
- 414 SW 12th Avenue, Deerfield Beach, FL 33442
- 900 Lakeside Drive, Mobile, AL 36693
- 6712 Benjamin Road, Suite 100, Tampa, FL 33634
- 110 Alpha Drive, Destrehan, LA 70047

- Phone: (912) 354 7858 Fax: (912) 352-0165
- Phone: (904) 878 3994 Fax: (904) 878 9504
- Phone: (305) 421 7400 Fax: (305) 421-2584
- Phone: (334) 666-6633 Fax: (334) 666-6696
- Phone: (813) 885 7427 Fax: (813) 885 7049
- Phone: (501) 764 1100 Fax: (504) 725-1163

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE <b>Ft. Story Auto Craft</b>		PROJECT NO. <b>0285-590</b>	P.O. NUMBER <b>T.O. 003</b>	MATRIX TYPE	REQUIRED ANALYSES	PAGE   OF
PROJECT LOC. (State) <b>VA</b>	SAMPLER(S) NAME <b>W. Friedman</b>	PHONE <b>(804) 873-8700</b>	FAX <b>(804) 873-8723</b>	AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (oil, solvent, etc)	TCL VOCs TPH Light TCL SVOCs TPH Heavy TAL METALS TAL CU TAL HS	STANDARD REPORT DELIVERY <input checked="" type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge) <input type="checkbox"/> Date Due: _____
CLIENT NAME <b>Molecular Pirme</b>		CLIENT PROJECT MANAGER <b>Tom Pace</b>				
CLIENT ADDRESS (CITY, STATE, ZIP) <b>Newport News, VA</b>						

SAMPLE		SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS SUBMITTED							REMARKS	
DATE	TIME		HCL	HCL	Nitro	Nitro	Nitro	Nitro	Nitro		
4/13/95	1110	MW-119	X		3	3					
4/12/95	1110	MW-911	X		3	3					
4/13/95	1110	MW-119-MS	X		3	3					
4/13/95	1110	MW-119-MSD	X		3	3					UFS No.
4/13/95	1210	7MW-3	X		3	3	2	2			05612742136
4/13/95	1210	7MW-3T	X						1	1	1
4/13/95	1210	7MW-3F	X						1	1	1
4/13/95	1410	7MW-2	X		3	3					
4/13/95	1410	MW-120	X		3	3					
4/13/95	0800	7GW-TB-41395	X		3						
<b>TOTAL</b>					<b>24</b>	<b>21</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>

RELINQUISHED BY: (SIGNATURE) <b>AK Pace</b>	DATE <b>4/13/95</b>	TIME <b>1900</b>	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR	LABORATORY REMARKS
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# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

- 5102 LaRoche Avenue, Savannah, GA 31404
- 2846 Industrial Plaza Drive, Tallahassee, FL 32301
- 414 SW 12th Avenue, Deerfield Beach, FL 33442
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- Phone: (904) 878-3994 Fax: (904) 878-9504
- Phone: (305) 421-7400 Fax: (305) 421-2584
- Phone: (205) 666-6633 Fax: (205) 666-6696
- Phone: (813) 885-7427 Fax: (813) 885-7049
- Phone: (504) 764-1100 Fax: (504) 725-1163

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE <i>Advised Ft. Story - LAKE</i>		PROJECT NO. <i>590</i> <del>0205-502</del>	P.O. NUMBER <i>T.O. - 0183</i>	MATRIX TYPE	REQUIRED ANALYSES	PAGE	OF
PROJECT LOC. (State) <i>VA</i>	SAMPLER(S) NAME <i>W.F. Ft. Story</i>	PHONE <i>804-973-9720</i>	FAX <i>804-973-9725</i>	AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (oil solvent, etc.)	<i>TCL SVACs TPH Heavy TCL VOCs TPH Light TAL PAHs TAL CN</i>	<input checked="" type="checkbox"/> STANDARD REPORT DELIVERY <input type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge) Date Due: _____	
CLIENT NAME <i>Martha Pitruic</i>		CLIENT PROJECT MANAGER <i>TONY IACE</i>					
CLIENT ADDRESS (CITY, STATE, ZIP) <i>11832 Rock Landing Dr. Newport News VA 23606</i>							

SAMPLE		SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS SUBMITTED							REMARKS		
DATE	TIME		AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (oil solvent, etc.)	TCL SVACs	TPH Heavy	TCL VOCs		TPH Light	TAL PAHs
<i>2/9/95</i>	<i>1035</i>	<i>SD07-100A-57</i>	<i>X</i>			<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>			
<i>2/9/95</i>	<i>1250</i>	<i>SD07-400A-24</i>	<i>X</i>							<i>1</i>	<i>1</i>	
		<i>USAC Proj. No. E0360</i>										
		<i>TOTAL</i>				<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	
						<i>NPS Shipping No. 2561 2741 146</i>						

RELINQUISHED BY: (SIGNATURE) <i>CONTAINERS</i>	DATE	TIME	RELINQUISHED BY: (SIGNATURE) <i>AK-130</i>	DATE <i>2/12/83</i>	TIME <i>1730</i>	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE) <i>CONTAINERS</i>	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR LABORATORY	LABORATORY NO.	LABORATORY REMARKS:
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**APPENDIX C**

**COOLER RECEIPT FORMS**

COOLER RECEIPT FORM

T.O. 003

Client: <u>Malcolm Pirnie</u>	Project: <u>F+570y Auto Craft</u>
SL Log #: <u>55-52124</u>	Date Received: <u>04-14-95</u>
SL Cooler Receipt Custodian (Signature): <u>Janora Baker</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3	Were custody seals unbroken and intact at the date and time of arrival?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4	Were custody papers completed properly (ink, signed, etc.)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5	Chain of custody associated with cooler receipt form.	14088	
6	Was <u>wet</u> ice/blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>2.3°</u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <u>Bubble pack</u>		
9	Were sampling containers supplied by <u>(SL)</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?		
11	Did all bottle labels agree with custody papers?		
12	Were bubbles present in VOA samples?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
13	Was the project manager notified of any custody discrepancies or excursions?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
15	Who was contacted?  By whom:  Date:		

COOLER RECEIPT FORM	
Client: <u>Malcolm Pirnie</u>	Project: <u>Ft. Story <sup>10,003</sup> Anticraft</u>
SL Log #: <u>55-52124</u>	Date Received: <u>4-14-95</u>
SL Cooler Receipt Custodian (Signature): <u>Lanore Baker</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival?		✓
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.	14089	
6	Was <u>wet</u> ice/blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>12.5°C</u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <u>Bubblepack</u>		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples? <u>TGW-15-41395 Trip Blank</u>	✓	
13	Was the project manager notified of any custody discrepancies or excursions?		✓
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.		✓
15	Who was contacted?  By whom:  Date:		

**COOLER RECEIPT FORM**

Client: <u>Malcolm Pirnie</u>	Project: <u>Ft 5<sup>T.O. 063</sup> Story Auto Craft</u>
SL Log #: <u>55-52124</u>	Date Received: <u>4/14/95</u>
SL Cooler Receipt Custodian (Signature): <u>James Baker</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival?		✓
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.	14090	
6	Was <u>wet</u> ice/blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>FWT 0.9°C</u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <u>Bubble pack</u>		
9	Were sampling containers supplied by <u>(SL)</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples? <u>NA</u>		
13	Was the project manager notified of any custody discrepancies or excursions?		✓
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.		✓
15	Who was contacted?  By whom:  Date:		

COOLER RECEIPT FORM	
Client: <u>Malcolm Pirnie</u>	Project: <u>Ft. Story Auto Craft</u> <span style="float: right; font-size: small;">T.O. 003</span>
SL Log #: <u>SS-52124</u>	Date Received: <u>4-14-95</u>
SL Cooler Receipt Custodian (Signature): <u>Janora Baker</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival?		✓
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.	14091	
6	Was <u>wet</u> ice/blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>12.6°C</u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <u>Bubble pack</u>		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples?		✓
13	Was the project manager notified of any custody discrepancies or excursions?		✓
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.		✓
15	Who was contacted?  By whom:  Date:		

<b>COOLER RECEIPT FORM</b>	
Client: <u>Malcolm Pirnie</u>	Project: <u>Ft. Story</u>
SL Log #: <u>55-50686</u>	Date Received: <u>2-8-95</u>
SL Cooler Receipt Custodian (Signature): <u>James Baker</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? IF YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival? <span style="float: right;"><u>NA</u></span>		
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.	<u>05424</u>	
6	Was <u>wet</u> ice/blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>5.0°c</u>		
8	Describe type of packing in cooler (vermiculite, <u>bubble pack</u> , etc.).		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?		
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples? <span style="float: right;"><u>NA</u></span>		
13	Was the project manager notified of any custody discrepancies or excursions?		✓
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.		✓
15	Who was contacted?  By whom:  Date:		

<b>COOLER RECEIPT FORM</b>	
Client: <u>Malcolm Pirnie</u>	Project: <u>4. Story Auto Craft</u>
SL Log #: <u>55-50732</u>	Date Received: <u>2/9/95</u>
SL Cooler Receipt Custodian (Signature) <u>A. Campbell</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival? <u>N/A</u>		
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.	<u>06/99</u>	
6	Was <u>wet ice</u> /blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>0.0°C</u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <u>Bubble Pack</u>		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples? <u>N/A</u>		
13	Was the project manager notified of any custody discrepancies or excursions?		✓
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.		✓
15	Who was contacted?  By whom:  Date:		

**COOLER RECEIPT FORM**

Client: <u>Malcolm Pirnie</u>	Project: <u>A. Story Auto Craft</u>
SL Log #: <u>55-50732</u>	Date Received: <u>2/9/95</u>
SL Cooler Receipt Custodian (Signature) <u>O. Campbell</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival? <u>N/A</u>		
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.	<u>06200</u>	
6	Was <u>wet ice</u> /blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>0.0°C</u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <u>Bubble Pack</u>		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples? <u>N/A</u>		
13	Was the project manager notified of any custody discrepancies or excursions?		✓
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.		✓
15	Who was contacted?  By whom:  Date:		

<b>COOLER RECEIPT FORM</b>	
Client: <u>Malcolm Pirnie</u>	Project: <u>Ft. Story Auto Craft</u>
SL Log #: <u>55-50741</u>	Date Received: <u>2-10-95</u>
SL Cooler Receipt Custodian (Signature): <u>Lana Baker</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival? <span style="float: right;">NA</span>		
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.		06198
6	Was <u>wet</u> ice/blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>FWT-0.0°C</u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <span style="float: right;">Bubble pack</span>		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples? <span style="float: right;">NA</span>		
13	Was the project manager notified of any custody discrepancies or excursions? <span style="float: right;">NA</span>		✓
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.	✓ LBS	✓
15	Who was contacted?  By whom:  Date:		

COOLER RECEIPT FORM	
Client: <u>Malcolm Pirnie</u>	Project: <u>Ft. Story Anticraft</u>
SL Log #: <u>SS-51056</u>	Date Received: <u>2-25-95</u>
SL Cooler Receipt Custodian (Signature): <u>[Signature]</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival? <u>NA</u>		
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.		00348
6	Was <u>wet</u> ice/blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>8.1°C</u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <u>Bubble pack</u>		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples? <u>Trip Blank</u>	✓	
13	Was the project manager notified of any custody discrepancies or excursions?	✓	1
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.	✓	
15	Who was contacted?  By whom:  Date:		

COOLER RECEIPT FORM	
Client: <u>Malcolm Pirnie</u>	Project: <u>Ft Story Auto Craft</u>
SL Log #: <u>SS-51056</u>	Date Received: <u>2-25-95</u>
SL Cooler Receipt Custodian (Signature): <u>Laura Baker</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3	Were custody seals unbroken and intact at the date and time of arrival? <span style="float: right;"><u>NA</u></span>	<input type="checkbox"/>	<input type="checkbox"/>
4	Were custody papers completed properly (ink, signed, etc.)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5	Chain of custody associated with cooler receipt form.	<u>00340</u>	
6	Was <u>wet</u> ice/blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>2.0°C</u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <u>Bubble pack</u>		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11	Did all bottle labels agree with custody papers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12	Were bubbles present in VOA samples? <span style="float: right;"><u>NA</u></span>	<input type="checkbox"/>	<input type="checkbox"/>
13	Was the project manager notified of any custody discrepancies or excursions?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
15	Who was contacted?  By whom:  Date:		

COOLER RECEIPT FORM	
Client: <u>Malcolm Pirnie</u>	Project: <u>Ft Stuy Autocraft</u>
SL Log #: <u>SS-51056</u>	Date Received: <u>2-25-95</u>
SL Cooler Receipt Custodian (Signature): <u>[Signature]</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival? <span style="float: right;">NA</span>		
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.		00342
6	Was <u>wet</u> ice/blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>2.0°</u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <u>Bubble pack</u>		
9	Were sampling containers supplied by <u>(SL)</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?		✓
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples? <span style="float: right;">NA</span>		
13	Was the project manager notified of any custody discrepancies or excursions?	✓	✓ 19B
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.	✓	
15	Who was contacted?  By whom:  Date:		

COOLER RECEIPT FORM	
Client: <u>Malcolm Pirnie</u>	Project: <u>Ft. Story Aircraft</u>
SL Log #: <u>SS-51079</u>	Date Received: <u>2-28-95</u>
SL Cooler Receipt Custodian (Signature): <u>Lanor Baker</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival? <span style="float: right;"><u>NA</u></span>		
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.	<u>00344</u>	
6	Was <u>wet</u> ice/blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>3.6°C</u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <u>bubble pack</u>		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples? <u>Trip Blank</u>	✓	
13	Was the project manager notified of any custody discrepancies or excursions?		✓
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.		✓
15	Who was contacted?  By whom:  Date:		

COOLER RECEIPT FORM	
Client: <u>Malcolm Pirnie</u>	Project: <u>Ft. Story Aircraft</u>
SL Log #: <u>55-51079</u>	Date Received: <u>2-28-95</u>
SL Cooler Receipt Custodian (Signature): <u>Jamaal Baker</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival? <span style="float: right;">NA</span>		
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.		00343
6	Was <u>wet</u> ice/blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>FWT-0.0°C</u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <span style="float: right;">Bubble pack</span>		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples? <span style="float: right;">NA</span>		
13	Was the project manager notified of any custody discrepancies or excursions?		✓
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.		✓
15	Who was contacted?  By whom:  Date:		

## COOLER RECEIPT FORM

Client: Malcolm Pirnie	Project: Ft. Story - LARC
SL Log #: 51256	Date Received: 3-8-95
SL Cooler Receipt Custodian (Signature): <i>Elma M. Bonds</i>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival?	N/A	
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.	00365	
6	Was <u>wet ice</u> /blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: 1.0°C		
8	Describe type of packing in cooler (vermiculite, <u>bubble</u> pack, etc.).		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples?	N/A	✓
13	Was the project manager notified of any custody discrepancies or excursions?		✓
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.		✓
15	Who was contacted?  By whom:  Date:		

COOLER RECEIPT FORM	
Client: <u>Malcolm Pirnie</u>	Project: <u>Ft. Story - LARC</u>
SL Log #: <u>51256</u>	Date Received: <u>3-8-95</u>
SL Cooler Receipt Custodian (Signature): <u>Rona M. Bonds</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival? <span style="float: right;">N/A</span>		
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.	06196	
6	Was <u>wet ice</u> / blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <span style="float: right;">1.5 °C</span>		
8	Describe type of packing in cooler (vermiculite <u>bubble</u> pack, etc.).		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples?		✓
13	Was the project manager notified of any custody discrepancies or excursions?		✓
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.		✓
15	Who was contacted?  By whom:  Date:		

COOLER RECEIPT FORM	
Client: <u>Malcolm Pirnie</u>	Project: <u>F+5 Form FTA TO.001</u>
SL Log #: <u>SS-52125</u>	Date Received: <u>4/14-95</u>
SL Cooler Receipt Custodian (Signature): <u>Lamar Baker</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3	Were custody seals unbroken and intact at the date and time of arrival?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4	Were custody papers completed properly (ink, signed, etc.)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5	Chain of custody associated with cooler receipt form.	14092	
6	Was <u>ver</u> ice/blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>FWT-0.0°C</u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <u>Bubble pack</u>		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11	Did all bottle labels agree with custody papers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12	Were bubbles present in VOA samples? <u>46WJB-41395</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
13	Was the project manager notified of any custody discrepancies or excursions?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
15	Who was contacted?  By whom:  Date:		

<b>COOLER RECEIPT FORM</b>	
Client: <u>Malcolm Pirnie</u>	Project: <u>Ft Story FTA T.D. 0001</u>
SL Log #: <u>S5-52125</u>	Date Received: <u>4-14-95</u>
SL Cooler Receipt Custodian (Signature): <u>Lanora Baker</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	<input checked="" type="checkbox"/>	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		<input checked="" type="checkbox"/>
3	Were custody seals unbroken and intact at the date and time of arrival?		<input checked="" type="checkbox"/>
4	Were custody papers completed properly (ink, signed, etc.)?	<input checked="" type="checkbox"/>	
5	Chain of custody associated with cooler receipt form.	<u>13856</u>	
6	Was <u>wet</u> ice/blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>3.6°c</u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <u>Bubble pack</u>		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	<input checked="" type="checkbox"/>	
11	Did all bottle labels agree with custody papers?	<input checked="" type="checkbox"/>	
12	Were bubbles present in VOA samples?		<input checked="" type="checkbox"/>
13	Was the project manager notified of any custody discrepancies or excursions?		<input checked="" type="checkbox"/>
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.		<input checked="" type="checkbox"/>
15	Who was contacted?  By whom:  Date:		

COOLER RECEIPT FORM	
Client: <u>Malcolm Pirnie</u>	Project: <u>Ft Story FTA T.O. 001</u>
SL Log #: <u>55-52125</u>	Date Received: <u>4/14/95</u>
SL Cooler Receipt Custodian (Signature): <u>Lance Baker</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival?		✓
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.		14092
6	Was <u>wet</u> ice/blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>FWT - 0.0°C</u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <u>Bubble pack</u>		
9	Were sampling containers supplied by <u>(SI)</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples? <u>46WJBA-41395</u>	✓	
13	Was the project manager notified of any custody discrepancies or excursions?		✓
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.		✓
15	Who was contacted?  By whom:  Date:		

COOLER RECEIPT FORM	
Client: <u>Malcolm Pirnie</u>	Project: <u>Ft. Story F+A</u>
SL Log #: <u>SS-52081D</u>	Date Received: <u>4-13-95</u>
SL Cooler Receipt Custodian (Signature): <u>P. Bonds</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival? <span style="float: right;">N/A</span>		✓
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.	14078	
6	Was <u>wet ice</u> / blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <span style="float: right;">4.3°C</span>		
8	Describe type of packing in cooler (vermiculite, <u>bubble</u> pack, etc.)		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?		✓
12	Were bubbles present in VOA samples?		✓
13	Was the project manager notified of any custody discrepancies or excursions?	✓	
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.	✓	
15	Who was contacted?  By whom:  Date:		

COOLER RECEIPT FORM	
Client: <u>Malcolm Pirnie</u>	Project: <u>Ft. Story FTA</u>
SL Log #: <u>SS-52081 C</u>	Date Received: <u>4-13-95</u>
SL Cooler Receipt Custodian (Signature): <u>P. Bonds</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival? <span style="float: right;">N/A</span>		✓
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.	00370	
6	Was <u>wet ice</u> / blue ice used? (Circle which media) <span style="float: right;"><del>FWT SIB</del></span>		
7	Cooler temperature upon receipt: <span style="float: right;">FWT 5.6°C</span>		
8	Describe type of packing in cooler (vermiculite, <u>bubble</u> pack, etc.).		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?		✓
12	Were bubbles present in VOA samples? <span style="float: right;">N/A</span>		✓
13	Was the project manager notified of any custody discrepancies or excursions?	✓	
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.	✓	
15	Who was contacted?  By whom:  Date:		

COOLER RECEIPT FORM	
Client: <u>Malcolm Pirnie</u>	Project: <u>Ft. Story FIA</u>
SL Log #: <u>55-52081-B</u>	Date Received: <u>4-13-95</u>
SL Cooler Receipt Custodian (Signature): <u>L. Bordo</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival? <span style="float: right;">N/A</span>		✓
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.	14080	
6	Was <u>wet ice</u> /blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <span style="float: right;">F.W.T. 3.6°C</span>		
8	Describe type of packing in cooler (vermiculite, <u>bubble</u> pack, etc.).		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?		✓
12	Were bubbles present in VOA samples? <span style="float: right;">N/A</span>		✓
13	Was the project manager notified of any custody discrepancies or excursions?	✓	
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.	✓	
15	Who was contacted?  By whom:  Date:		

COOLER RECEIPT FORM	
Client: <u>Malcolm Pirnie</u>	Project: <u>Ft. Story FTA</u>
SL Log #: <u>55-52081A</u>	Date Received: <u>4-13-95</u>
SL Cooler Receipt Custodian (Signature): <u>L. Bonds</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival? <span style="float: right;">N/A</span>		✓
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.	14079	
6	Was <u>wet ice</u> /blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <span style="float: right;">5.0°C</span>		
8	Describe type of packing in cooler (vermiculite, <u>bubble</u> pack, etc.).		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?		✓
12	Were bubbles present in VOA samples? <span style="float: right;">N/A</span>		✓
13	Was the project manager notified of any custody discrepancies or excursions?	✓	
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.	✓	
15	Who was contacted?  By whom:  Date:		

COOLER RECEIPT FORM	
Client: <u>Malcolm Pirnie</u>	Project: <u>Ft. Story PTA</u>
SL Log #: <u>SS-50611</u>	Date Received: <u>2-3-95</u>
SL Cooler Receipt Custodian (Signature): <u>Lanora Baker</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? IF YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival? <span style="float: right;">NA</span>		
4	Were custody papers completed properly (ink, signed, etc.)?	✓	✗
5	Chain of custody associated with cooler receipt form.	05416	
6	Was <u>wet</u> ice/blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>6.6<sup>°C</sup></u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <span style="float: right;">bubble pack</span>		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?		
11	Did all bottle labels agree with custody papers?		
12	Were bubbles present in VOA samples? <span style="float: right;">NA</span>		
13	Was the project manager notified of any custody discrepancies or excursions? <span style="float: right;">NA</span>		
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15. <span style="float: right;">NA</span>		✓
15	Who was contacted?  By whom:  Date:		

\* Date and time omitted on COC for sample SB04-020-24 BK 2-3-95

COOLER RECEIPT FORM	
Client: <u>Malcolm Pirnie</u>	Project: <u>Ft. Story FTA</u>
SL Log #: <u>55-50611</u>	Date Received: <u>2-3-95</u>
SL Cooler Receipt Custodian (Signature): <u>Lanora Baker</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO	
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓		
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓	
3	Were custody seals unbroken and intact at the date and time of arrival? <span style="float: right;">NA</span>			
4	Were custody papers completed properly (ink, signed, etc.)?	✓		
5	Chain of custody associated with cooler receipt form.	05417		
6	Was wet <u>ice</u> /blue ice used? (Circle which media)			
7	Cooler temperature upon receipt: <u>4.1°c</u>			
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <u>Bubble pack</u>			
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)			
10	Did all bottles arrive intact and were labels in good condition?			✓
11	Did all bottle labels agree with custody papers?			✓
12	Were bubbles present in VOA samples? <span style="float: right;">NA</span>			
13	Was the project manager notified of any custody discrepancies or excursions? <span style="float: right;">NA</span>			
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15. <span style="float: right;">NA</span>		✓	
15	Who was contacted?  By whom:  Date:			

### COOLER RECEIPT FORM

Client: <u>Malcolm Pirnie</u>	Project: <u>Ft Story FTA</u>
SL Log #: <u>55-50611</u>	Date Received: <u>2-3-95</u>
SL Cooler Receipt Custodian (Signature): <u>Lamar Baker</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3	Were custody seals unbroken and intact at the date and time of arrival? <u>NA</u>	<input type="checkbox"/>	<input type="checkbox"/>
4	Were custody papers completed properly (ink, signed, etc.)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5	Chain of custody associated with cooler receipt form.	<u>05414</u>	
6	Was <u>wet</u> ice/blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>4.1 °C</u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <u>bubble pack</u>		
9	Were sampling containers supplied by <u>(SL)</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11	Did all bottle labels agree with custody papers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12	Were bubbles present in VOA samples? <u>NA</u>	<input type="checkbox"/>	<input type="checkbox"/>
13	Was the project manager notified of any custody discrepancies or excursions? <u>NA</u>	<input type="checkbox"/>	<input type="checkbox"/>
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15. <u>NA</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
15	Who was contacted?  By whom:  Date:		

COOLER RECEIPT FORM	
Client: <u>Malcolm Pirnie</u>	Project: <u>Ft. Story FTA</u>
SL Log #: <u>SS-50611</u>	Date Received: <u>2-3-95</u>
SL Cooler Receipt Custodian (Signature): <u>Laura Baker</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival? <span style="float: right;">NA</span>		
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.		05413
6	Was <u>wet</u> ice/blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>No container temp was returned with cooler.</u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <span style="text-align: center;">bubble pack</span>		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples? <span style="float: right;">NA</span>		
13	Was the project manager notified of any custody discrepancies or excursions? <span style="float: right;">NA</span>		
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15. <span style="float: right;">NA</span>		✓
15	Who was contacted?  By whom:  Date:		

<b>COOLER RECEIPT FORM</b>	
Client: <u>Malcolm Pirnie</u>	Project: <u>Ft Story FTA</u>
SL Log #: <u>55-50631</u>	Date Received: <u>2-4-95</u>
SL Cooler Receipt Custodian (Signature): <u>Janna Baker</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival? <span style="float: right;">NA</span>		
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.		05419
6	Was <del>wet</del> ice/blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>4.8°C</u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <span style="float: right;">Bubble pack</span>		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples? <span style="float: right;">NA</span>		
13	Was the project manager notified of any custody discrepancies or excursions? <span style="float: right;">NA</span>		
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15. <span style="float: right;">NA</span>		✓
15	Who was contacted?  By whom:  Date:		NA

COOLER RECEIPT FORM	
Client: <u>Malcolm Pirnie</u>	Project: <u>Ft. Story PTA</u>
SL Log #: <u>55-50631</u>	Date Received: <u>2-4-95</u>
SL Cooler Receipt Custodian (Signature): <u>Larone Baker</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival? <span style="float: right;">NA</span>		
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.	05420	
6	Was <u>wet</u> ice/blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>Did not return container temp. BUT 0.0°C</u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <span style="float: right;">bubble pack</span>		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples? <span style="float: right;">NA</span>		
13	Was the project manager notified of any custody discrepancies or excursions? <span style="float: right;">NA</span>		
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15. <span style="float: right;">NA</span>		✓
15	Who was contacted?  By whom:  Date:	NA	

COOLER RECEIPT FORM	
Client: <u>Malcolm Pirnie</u>	Project: <u>Ft Story ETA</u>
SL Log #: <u>55-50631</u>	Date Received: <u>2-4-95</u>
SL Cooler Receipt Custodian (Signature): <u>Janna Baker</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival? <span style="float: right;">NA</span>		
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.		05472
6	Was <u>wet</u> ice/blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>FWT-0.0°C</u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <span style="float: right;">bubble pack</span>		
9	Were sampling containers supplied by <u>SI</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples?		✓
13	Was the project manager notified of any custody discrepancies or excursions? <span style="float: right;">NA</span>		✓
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15. <span style="float: right;">NA</span>		✓
15	Who was contacted?  By whom: <span style="float: right;">NA</span>  Date:		

COOLER RECEIPT FORM	
Client: <u>Malcolm Pirnie</u>	Project: <u>Ft Story FTA</u>
SL Log #: <u>55-50631</u>	Date Received: <u>2-4-95</u>
SL Cooler Receipt Custodian (Signature): <u>Laura Baker</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival? <span style="float: right;">NA</span>		
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.		05/18
6	Was <u>wet</u> ice/blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>FWT-0.0<sup>o</sup>C</u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <u>Bubble pack</u>		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples? <span style="float: right;">NA</span>		
13	Was the project manager notified of any custody discrepancies or excursions? <span style="float: right;">NA</span>		
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.		✓
15	Who was contacted?  By whom:  Date:		

COOLER RECEIPT FORM	
Client: <u>Malcolm Pirnie</u>	Project: <u>Ft Story FTA</u>
SL Log #: <u>SS-50631</u>	Date Received: <u>2-4-95</u>
SL Cooler Receipt Custodian (Signature): <u>Jamara Baker</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3	Were custody seals unbroken and intact at the date and time of arrival? <span style="float: right;">NA</span>	<input type="checkbox"/>	<input type="checkbox"/>
4	Were custody papers completed properly (ink, signed, etc.)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5	Chain of custody associated with cooler receipt form.	05423	
6	Was <u>wet</u> ice/blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>FWT-0.0°C</u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <u>Bubble pack</u>		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11	Did all bottle labels agree with custody papers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12	Were bubbles present in VOA samples? <span style="float: right;">NA</span>	<input type="checkbox"/>	<input type="checkbox"/>
13	Was the project manager notified of any custody discrepancies or excursions? <span style="float: right;">NA</span>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
15	Who was contacted?  By whom:  Date:		

### COOLER RECEIPT FORM

Client: <u>Malcolm Pirmie</u>	Project: <u>Ft Story FTA</u>
SL Log #: <u>55-50631</u>	Date Received: <u>2-4-95</u>
SL Cooler Receipt Custodian (Signature): <u>Lana Beck</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival? <span style="float: right;">NA</span>		
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.	05421	
6	Was wet <u>ice</u> / blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>FWT - 0.0°C</u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <u>Bubble pack</u>		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition? <u>FB04-D1-020395 / 1-46 ml vial Broken</u>		
11	Did all bottle labels agree with custody papers?		
12	Were bubbles present in VOA samples? <u>Trip Blank</u>	✓	
13	Was the project manager notified of any custody discrepancies or excursions?	✓	
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.	✓	
15	Who was contacted?  By whom:  Date:		

COOLER RECEIPT FORM	
Client: <u>Malcolm Pirnie</u>	Project: <u>Ft. Storn FTA</u>
SL Log #: <u>SS-50655</u>	Date Received: <u>2-7-95</u>
SL Cooler Receipt Custodian (Signature): <u>Lana Baker</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival? <span style="float: right;">NA</span>		
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.	05406	
6	Was <u>wet</u> ice/blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>FWT - 0.0°C</u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <span style="float: right;">Bubble pack</span>		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?		✓
12	Were bubbles present in VOA samples? <span style="float: right;">NA</span>		
13	Was the project manager notified of any custody discrepancies or excursions?	✓	
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.	✓	
15	Who was contacted?  By whom:  Date:		

COOLER RECEIPT FORM	
Client: <u>Malcolm Picnie</u>	Project: <u>Ft Story FTA</u>
SL Log #: <u>55-50655</u>	Date Received: <u>2-7-95</u>
SL Cooler Receipt Custodian (Signature): <u>Lana Baker</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival? <span style="float: right;">NA</span>		
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.	05407	
6	Was <u>wet</u> ice/blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>FWT - 0.0°C</u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <span style="float: right;">bubble pack</span>		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples? <span style="float: right;">NA</span>		
13	Was the project manager notified of any custody discrepancies or excursions?		✓
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.		✓
15	Who was contacted?  By whom:  Date:  <span style="float: right; font-size: 2em;">NA</span>		

COOLER RECEIPT FORM	
Client: <u>Malcolm Pinnie</u>	Project: <u>Ft Story FTA</u>
SL Log #: <u>55-50585</u>	Date Received: <u>2-8-95</u>
SL Cooler Receipt Custodian (Signature): <u>Laura Baker</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival? <span style="float: right;"><u>NA</u></span>		
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.	<u>05408</u>	
6	Was <u>wet</u> ice/blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>1.3</u>		
8	Describe type of packing in cooler (vermiculite, <u>bubble pack</u> etc.).		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?		
11	Did all bottle labels agree with custody papers?		
12	Were bubbles present in VOA samples? <u>TB04-020795/Trip Blank</u>	✓	
13	Was the project manager notified of any custody discrepancies or excursions?	✓	
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.	✓	
15	Who was contacted?  By whom:  Date:		

COOLER RECEIPT FORM	
Client: <u>Malcolm Arnie</u>	Project: <u>Ft. Story FTA</u>
SL Log #: <u>SS-50585</u>	Date Received: <u>2-8-95</u>
SL Cooler Receipt Custodian (Signature): <u>Lanona Baker</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival? <span style="float: right;"><u>NA</u></span>		
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.	<u>05409</u>	
6	Was <u>wet</u> ice/blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>FWT - 0.0°C</u>		
8	Describe type of packing in cooler (vermiculite, <u>bubble pack</u> , etc.).		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples? <span style="float: right;"><u>NA</u></span>		
13	Was the project manager notified of any custody discrepancies or excursions?		✓
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.		✓
15	Who was contacted?  By whom:  Date:		

COOLER RECEIPT FORM	
Client: <u>Malcolm Pirnie</u>	Project: <u>Ft. Story FTA</u>
SL Log #: <u>SS-50685</u>	Date Received: <u>2-8-95</u>
SL Cooler Receipt Custodian (Signature): <u>Lana Baker</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival? <span style="float: right;">NA</span>		
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.	05435	
6	Was <input checked="" type="radio"/> wet ice/blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>FWT-0.0°C</u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <u>Double pack</u>		
9	Were sampling containers supplied by <input checked="" type="radio"/> SL or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples? <span style="float: right;">NA</span>		
13	Was the project manager notified of any custody discrepancies or excursions?		✓
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.		✓
15	Who was contacted?  By whom:  Date:		

**COOLER RECEIPT FORM**

Client: <u>Malcolm Pirnie</u>	Project: <u>Ft. Story FTA</u>
SL Log #: <u>SS-50685</u>	Date Received: <u>2-8-95</u>
SL Cooler Receipt Custodian (Signature): <u>Lanora Baker</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival? <span style="float:right">NA</span>		
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.	05437	
6	Was <u>wet</u> ice/blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>FWT- 0.0°C</u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <span style="float:right">Bubble pack</span>		
9	Were sampling containers supplied by <u>(SL)</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples? <span style="float:right">NA</span>		
13	Was the project manager notified of any custody discrepancies or excursions?		✓
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.		✓
15	Who was contacted?  By whom:  Date:		

<b>COOLER RECEIPT FORM</b>	
Client: <u>Maholm Pirnie</u>	Project: <u>Ft. Story FTA</u>
SL Log #: <u>55-50731</u>	Date Received: <u>2/9/95</u>
SL Cooler Receipt Custodian (Signature): <u>A. Campbell</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival? <u>N/A</u>		
4	Were custody papers completed properly (ink, signed, etc.)?		✓
5	Chain of custody associated with cooler receipt form.	<u>06202</u>	
6	Was <u>wet ice</u> /blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>0.0°c</u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <u>Bubble Pack</u>		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples? <u>N/A</u>		
13	Was the project manager notified of any custody discrepancies or excursions?		✓
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.		✓
15	Who was contacted?  By whom:  Date:		

COOLER RECEIPT FORM	
Client: <u>Malcolm Pirnie</u>	Project: <u>A. Story FTA</u>
SL Log #: <u>55-503<sup>NO</sup> 55-50731</u>	Date Received: <u>2/9/95</u>
SL Cooler Receipt Custodian (Signature): <u>A. Campbell</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival? <u>N/A</u>		
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.	<u>06204</u>	
6	Was <u>wet ice</u> /blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>0.0°c</u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <u>Bubble Pack</u>		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples? <u>N/A</u>		
13	Was the project manager notified of any custody discrepancies or excursions?		✓
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.		✓
15	Who was contacted?  By whom:  Date:		

PROJECT: FORT STORY, VA - FIRE TRAINING AREA

QA SAMPLE NO.: 29845  
 QA FIELD ID: SB04-900A-68  
 QA ANALYSIS DATE: 03/11/95

CONTRACTOR'S SAMPLE NO.: 50731-4  
 CONTRACTOR'S FIELD ID: SB04-009-68  
 CONTRACTOR'S ANALYSIS DATE: 02/16/95

MATERIAL DESCRIPTION: SOIL  
 DATE SAMPLED: 02/07/95  
 UNITS: ug/kg

PARAMETER	RESULTS		RESULTS		COMPARISON CODE
	QA LAB MDL	QA LAB	CONTRACTOR MDL	CONTRACTOR	
Phenol	< 430		< 360		0
Bis(2-chloroethyl)ether	< 430		< 360		0
2-Chlorophenol	< 430		< 360		0
1,3-Dichlorobenzene	< 430		< 360		0
1,4-Dichlorobenzene	< 430		< 360		0
1,2-Dichlorobenzene	< 430		< 360		0
2-Methylphenol	< 430		< 360		0
Bis(2-chloroisopropyl)ether	< 430		< 360		0
4-Methylphenol	< 430		< 360		0
N-Nitroso-di-n-propylamine	< 430		< 360		0
Hexachloroethane	< 430		< 360		0
Nitrobenzene	< 430		< 360		0
Isophorone	< 430		< 360		0
2-Nitrophenol	< 430		< 360		0
2,4-Dimethylphenol	< 430		< 360		0
Bis(2-chloroethoxy)methane	< 430		< 360		0
2,4-Dichlorophenol	< 1100		< 360		0
1,2,4-Trichlorobenzene	< 430		< 360		0
Naphthalene	< 430		< 360		0
4-Chloroaniline	< 430		< 720		0
Hexachlorobutadiene	< 430		< 360		0
4-Chloro-3-methylphenol	< 430		< 360		0
2-Methylnaphthalene	< 430		< 360		0
Hexachlorocyclopentadiene	< 430		< 360		0
2,4,6-Trichlorophenol	< 430		< 360		0
2,4,5-Trichlorophenol	< 1100		< 360		0
2-Chloronaphthalene	< 430		< 360		0
2-Nitroaniline	< 1100		< 1800		0
Dimethylphthalate	< 430		< 360		0
Acenaphthylene	< 430		< 360		0
3-Nitroaniline	< 1100		< 1800		0
Acenaphthene	< 430		< 360		0
2,4-Dinitrophenol	< 1100		< 1800		0
4-Nitrophenol	< 1100		< 1800		0
Dibenzofuran	< 430		< 360		0
2,6-Dinitrotoluene	< 430		< 360		0

PROJECT: FORT STORY, VA - FIRE TRAINING AREA

QA SAMPLE NO.: 29845

CONTRACTOR'S SAMPLE NO.: 50731-4

PARAMETER	RESULTS		RESULTS		COMPARISON CODE
	QA LAB MDL	QA LAB	CONTRACTOR MDL	CONTRACTOR	
2,4-Dinitrotoluene	< 430		< 360		0
Diethylphthalate	< 430		< 360		0
4-Chlorophenyl-phenylether	< 430		< 360		0
Fluorene	< 430		< 360		0
4-Nitroaniline	< 1100		< 1800		0
4,6-Dinitro-2-methylphenol	< 1100		< 1800		0
N-Nitrosodiphenylamine	< 430		< 360		0
4-Bromophenyl-phenylether	< 430		< 360		0
Hexachlorobenzene	< 430		< 360		0
Pentachlorophenol	< 1100		< 1800		0
Phenanthrene	< 430		< 360		0
Anthracene	< 430		< 360		0
Di-n-butylphthalate	< 430	1300	< 360		3
Fluoranthene	< 430		< 360		0
Pyrene	< 430		< 360		0
Butylbenzylphthalate	< 430		< 360		0
3,3-Dichlorobenzidine	< 430		< 720		0
Benzo(a)anthracene	< 430		< 360		0
Bis(2ethylhexyl)phthalate	< 430		< 360		0
Chrysene	< 430		< 360		0
Di-n-octyl phthalate	< 430		< 360		0
Benzo(b)fluoranthene	< 430		< 360		0
Benzo(k)fluoranthene	< 430		< 360		0
Benzo(a)pyrene	< 430		< 360		0
Indeno(1,2,3-cd)pyrene	< 430		< 360		0
Dibenz(a,h)anthracene	< 430		< 360		0
Benzo(g,h,i)perylene	< 430		< 360		0
Carbazole	< 430			NA	2

## SURROGATE RECOVERIES (%)

	QA	CONTRACTOR
2-Fluorophenol	53	61
Phenol-d6	48	70
Nitrobenzene-d5	59	61
2-Fluorobiphenyl	66	67
2,4,6-Tribromophenol	70	75
Terphenyl-d14	59	95
1,2-Dichlorobenzene-d4	60	NR
2-Chlorophenol-d4	53	NR

\* = SURROGATE RECOVERY OUTSIDE ACCEPTABLE RANGE

SEE APPENDIX B FOR KEY TO COMMENTS

PROJECT: FORT STORY, VA - FIRE TRAINING AREA

QA SAMPLE NO.: 29844  
 QA FIELD ID: SB04-900A-24  
 QA ANALYSIS DATE: 03/11/95

CONTRACTOR'S SAMPLE NO.: 50731-3  
 CONTRACTOR'S FIELD ID: SB04-009-24  
 CONTRACTOR'S ANALYSIS DATE: 02/16/95

MATERIAL DESCRIPTION: SOIL

DATE SAMPLED: 02/07/95

UNITS: ug/kg

PARAMETER	RESULTS		RESULTS		COMPARISON CODE
	QA LAB MDL	QA LAB	CONTRACTOR MDL	CONTRACTOR	
Phenol	< 420		< 350		0
Bis(2-chloroethyl) ether	< 420		< 350		0
2-Chlorophenol	< 420		< 350		0
1,3-Dichlorobenzene	< 420		< 350		0
1,4-Dichlorobenzene	< 420		< 350		0
1,2-Dichlorobenzene	< 420		< 350		0
2-Methylphenol	< 420		< 350		0
Bis(2-chloroisopropyl) ether	< 420		< 350		0
4-Methylphenol	< 420		< 350		0
N-Nitroso-di-n-propylamine	< 420		< 350		0
Hexachloroethane	< 420		< 350		0
Nitrobenzene	< 420		< 350		0
Isophorone	< 420		< 350		0
2-Nitrophenol	< 420		< 350		0
2,4-Dimethylphenol	< 420		< 350		0
Bis(2-chloroethoxy)methane	< 420		< 350		0
2,4-Dichlorophenol	< 1000		< 350		0
1,2,4-Trichlorobenzene	< 420		< 350		0
Naphthalene	< 420		< 350		0
4-Chloroaniline	< 420		< 690		0
Hexachlorobutadiene	< 420		< 350		0
4-Chloro-3-methylphenol	< 420		< 350		0
2-Methylnaphthalene	< 420		< 350		0
Hexachlorocyclopentadiene	< 420		< 350		0
2,4,6-Trichlorophenol	< 420		< 350		0
2,4,5-Trichlorophenol	< 100		< 350		0
2-Chloronaphthalene	< 420		< 350		0
2-Nitroaniline	< 1000		< 1800		0
Dimethylphthalate	< 420		< 350		0
Acenaphthylene	< 420		< 350		0
3-Nitroaniline	< 1000		< 1800		0
Acenaphthene	< 420		< 350		0
2,4-Dinitrophenol	< 1000		< 1800		0
4-Nitrophenol	< 1000		< 1800		0
Dibenzofuran	< 420		< 350		0
2,6-Dinitrotoluene	< 420		< 350		0

PROJECT: FORT STORY, VA - FIRE TRAINING AREA

QA SAMPLE NO.: 29844

CONTRACTOR'S SAMPLE NO.: 50731-3

PARAMETER	RESULTS		RESULTS		COMPARISON CODE
	QA LAB MDL	QA LAB	CONTRACTOR MDL	CONTRACTOR	
2,4-Dinitrotoluene	< 420		< 350		0
Diethylphthalate	< 420		< 350		0
4-Chlorophenyl-phenylether	< 420		< 350		0
Fluorene	< 420		< 350		0
4-Nitroaniline	< 1000		< 1800		0
4,6-Dinitro-2-methylphenol	< 1000		< 1800		0
N-Nitrosodiphenylamine	< 420		< 350		0
4-Bromophenyl-phenylether	< 420		< 350		0
Hexachlorobenzene	< 420		< 350		0
Pentachlorophenol	< 1000		< 350		0
Phenanthrene	< 420		< 1800		0
Anthracene	< 420		< 350		0
Di-n-butylphthalate	< 420		< 350		0
Fluoranthene	< 420		< 350		0
Pyrene	< 420		< 350		0
Butylbenzylphthalate	< 420		< 350		0
3,3-Dichlorobenzidine	< 420		< 690		0
Benzo(a)anthracene	< 420		< 350		0
Bis(2ethylhexyl)phthalate	< 420		< 350		0
Chrysene	< 420		< 350		0
Di-n-octyl phthalate	< 420		< 350		0
Benzo(b)fluoranthene	< 420		< 350		0
Benzo(k)fluoranthene	< 420		< 350		0
Benzo(a)pyrene	< 420		< 350		0
Indeno(1,2,3-cd)pyrene	< 420		< 350		0
Dibenz(a,h)anthracene	< 420		< 350		0
Benzo(g,h,i)perylene	< 420		< 350		0
Carbazole	< 420			NA	2

## SURROGATE RECOVERIES (%)

	QA	CONTRACTOR
2-Fluorophenol	56	78
Phenol-d6	58	92
Nitrobenzene-d5	68	85
2-Fluorobiphenyl	73	87
2,4,6-Tribromophenol	74	89
Terphenyl-d14	68	102
1,2-Dichlorobenzene-d4	70	NR
2-Chlorophenol-d4	60	NR

\* = SURROGATE RECOVERY OUTSIDE ACCEPTABLE RANGE

SEE APPENDIX B FOR KEY TO COMMENTS

PROJECT: FORT STORY, VA - FIRE TRAINING AREA

QA SAMPLE NO.: 30004  
 QA FIELD ID: GW04-210A  
 QA ANALYSIS DATE: 03/12/95

CONTRACTOR'S SAMPLE NO.: 50962-4  
 CONTRACTOR'S FIELD ID: GW04-012  
 CONTRACTOR'S ANALYSIS DATE: 02/27/95

MATERIAL DESCRIPTION: WATER

DATE SAMPLED: 02/21/95

UNITS: ug/L

PARAMETER	RESULTS		RESULTS		COMPARISON CODE
	QA LAB MDL	QA LAB	CONTRACTOR MDL	CONTRACTOR	
Phenol	< 10		< 10		0
Bis(2-chloroethyl) ether	< 10		< 10		0
2-Chlorophenol	< 10		< 10		0
1,3-Dichlorobenzene	< 10		< 10		0
1,4-Dichlorobenzene	< 10		< 10		0
1,2-Dichlorobenzene	< 10		< 10		0
2-Methylphenol	< 10		< 10		0
Bis(2-chloroisopropyl) ether	< 10		< 10		0
4-Methylphenol	< 10		< 10		0
N-Nitroso-di-n-propylamine	< 10		< 10		0
Hexachloroethane	< 10		< 10		0
Nitrobenzene	< 10		< 10		0
Isophorone	< 10		< 10		0
2-Nitrophenol	< 10		< 10		0
2,4-Dimethylphenol	< 10		< 10		0
Bis(2-chloroethoxy)methane	< 10		< 10		0
2,4-Dichlorophenol	< 25		< 10		0
1,2,4-Trichlorobenzene	< 10		< 10		0
Naphthalene	< 10		< 10		0
4-Chloroaniline	< 10		< 20		0
Hexachlorobutadiene	< 10		< 10		0
4-Chloro-3-methylphenol	< 10		< 10		0
2-Methylnaphthalene	< 10		< 10		0
Hexachlorocyclopentadiene	< 10		< 10		0
2,4,6-Trichlorophenol	< 10		< 10		0
2,4,5-Trichlorophenol	< 25		< 10		0
2-Chloronaphthalene	< 10		< 10		0
2-Nitroaniline	< 25		< 50		0
Dimethylphthalate	< 10		< 10		0
Acenaphthylene	< 10		< 10		0
3-Nitroaniline	< 25		< 50		0
Acenaphthene	< 10		< 10		0
2,4-Dinitrophenol	< 25		< 50		0
4-Nitrophenol	< 25		< 50		0
Dibenzofuran	< 10		< 10		0
2,6-Dinitrotoluene	< 10		< 10		0

PROJECT: FORT STORY, VA - FIRE TRAINING AREA

QA SAMPLE NO.: 30004

CONTRACTOR'S SAMPLE NO.: 50962-4

PARAMETER	RESULTS		RESULTS		COMPARISON CODE
	QA LAB MDL	QA LAB	CONTRACTOR MDL	CONTRACTOR	
2,4-Dinitrotoluene	< 10		< 10		0
Diethylphthalate	< 10		< 10		0
4-Chlorophenyl-phenylether	< 10		< 10		0
Fluorene	< 10		< 10		0
4-Nitroaniline	< 25		< 50		0
4,6-Dinitro-2-methylphenol	< 25		< 50		0
N-Nitrosodiphenylamine	< 10		< 10		0
4-Bromophenyl-phenylether	< 10		< 10		0
Hexachlorobenzene	< 10		< 10		0
Pentachlorophenol	< 25		< 50		0
Phenanthrene	< 10		< 10		0
Anthracene	< 10		< 10		0
Di-n-butylphthalate	< 10		< 10		0
Fluoranthene	< 10		< 10		0
Pyrene	< 10		< 10		0
Butylbenzylphthalate	< 10		< 10		0
3,3-Dichlorobenzidine	< 10		< 20		0
Benzo(a)anthracene	< 10		< 10		0
Bis(2ethylhexyl)phthalate	< 10	J 1.0	< 10		0
Chrysene	< 10		< 10		0
Di-n-octyl phthalate	< 10		< 10		0
Benzo(b)fluoranthene	< 10		< 10		0
Benzo(k)fluoranthene	< 10		< 10		0
Benzo(a)pyrene	< 10		< 10		0
Indeno(1,2,3-cd)pyrene	< 10		< 10		0
Dibenz(a,h)anthracene	< 10		< 10		0
Benzo(g,h,i)perylene	< 10		< 10		0
Carbazole	< 10			NA	2

## SURROGATE RECOVERIES (%)

	QA	CONTRACTOR
2-Fluorophenol	52	53
Phenol-d6	54	60
Nitrobenzene-d5	72	70
2-Fluorobiphenyl	63	82
2,4,6-Tribromophenol	77	125
Terphenyl-d14	*16	60
1,2-Dichlorobenzene-d4	64	NR
2-Chlorophenol-d4	61	NR

\* = SURROGATE RECOVERY OUTSIDE ACCEPTABLE RANGE

SEE APPENDIX B FOR KEY TO COMMENTS

COMPARISON OF QA & CONTRACTOR RESULTS

PROJECT: FORT STORY, VA - FIRE TRAINING AREA

QA SAMPLE NO.: 29831

CONTRACTOR'S SAMPLE NO.: 50631A-6

QA FIELD ID: SB04-510A-24

CONTRACTOR'S FIELD ID: SB04-015-24

MATERIAL DESCRIPTION: SOIL

DATE SAMPLED: 02/03/95

UNITS: ug/g

PARAMETER	RESULTS		RESULTS		COMPARISON CODE
	QA LAB MDL	QA LAB	CONTRACTOR MDL	CONTRACTOR	
Silver	< 0.30		< 1.0		0
Aluminum		610		250	0
Arsenic		0.98	< 1.0		0
Barium		3.0		2.4	0
Beryllium	< 0.024		< 0.52		0
Calcium		37	< 52		0
Cadmium	< 0.10		< 0.52		0
Cobalt		J 0.44	< 1.0		0
Chromium		14		1.6	0
Copper		J 0.63	< 2.6		0
Iron		890		940	0
Potassium		J 27	< 100		0
Magnesium		44	< 52		0
Manganese		8.9		8.4	0
Mercury		0.20	< 0.010		4
Sodium		9.9	< 52		0
Nickel		J 0.57	< 4.1		0
Lead		3.4		6.7	0
Antimony	< 3.60		< 5.2		0
Selenium	< 0.40		< 1.0		0
Thallium	< 0.16		< 1.0		0
Vanadium		2.9		1.1	0
Zinc		4.2		3.1	0

SEE APPENDIX B FOR KEY TO COMMENTS

COMPARISON OF QA AND CONTRACTOR RESULTS

PROJECT: FORT STORY, VA - FIRE TRAINING AREA

ANALYSIS PERFORMED: TOTAL CYANIDE

UNITS: mg/kg

```
*****
*   SAMPLE   SAMPLE   CONTRACTOR   CONTRACTOR   ENV. LAB   QA FIELD   CONTRACTOR   QA LAB   C   *
*   DATE     MATRIX   SAMPLE NO.   FIELD ID     NO.        ID         RESULTS     RESULTS
*****
* 02/03/95   SOIL     50631A-6    SB04-015-24  29831     SB04-510A-24  < 1.0      0.40     0   *
*****
```

COMPARISON OF QA AND CONTRACTOR RESULTS

PROJECT: FORT STORY, VA - FIRE TRAINING AREA

ANALYSIS PERFORMED: TOTAL PETROLEUM HYDROCARBONS - GRO

UNITS: mg/kg or ug/L

```

*****
*   SAMPLE   SAMPLE   CONTRACTOR   CONTRACTOR   ENV. LAB   QA FIELD   CONTRACTOR   QA LAB   C   *
*   DATE     MATRIX   SAMPLE NO.   FIELD ID     NO.        ID         RESULTS     RESULTS     *
*****
* 02/02/95   SOIL     50631-6     SS04-016-01  29806     SS04-610A-01  < 0.27     < 1.1     0   *
*-----*
* 02/03/95   SOIL     50631B-3    SS04-006-01  29832     SS04-600A-01  < 0.26     < 1.1     0   *
*-----*
* 02/07/95   SOIL     50731-3     SB04-009-24  29844     SB04-900A-24  < 0.26     < 1.1     0   *
*-----*
* 02/07/95   SOIL     50731-4     SB04-009-68  29845     SB04-900A-68  < 0.27     < 1.1     0   *
*-----*
* 02/21/95   WATER    50962-4     GW04-012     30004     GW04-210A     < 50       < 50       0   *
*****
    
```

COMPARISON OF QA AND CONTRACTOR RESULTS

PROJECT: FORT STORY, VA - FIRE TRAINING AREA

ANALYSIS PERFORMED: TOTAL PETROLEUM HYDROCARBONS - DRO

UNITS: mg/kg or ug/L

```

*****
*  SAMPLE  SAMPLE  CONTRACTOR  CONTRACTOR  ENV. LAB  QA FIELD  CONTRACTOR  QA LAB  C  *
*  DATE    MATRIX  SAMPLE NO.  FIELD ID    NO.        ID        RESULTS    RESULTS  *
*****
* 02/02/95  SOIL    50631-6   SS04-016-01  29806     SS04-610A-01  < 35      13      0  *
*-----*
* 02/03/95  SOIL    50631B-3  SS04-006-01  29832     SS04-600A-01  < 35      2.3     0  *
*-----*
* 02/07/95  SOIL    50731-3   SB04-009-24  29844     SB04-900A-24  < 34      1.1     0  *
*-----*
* 02/07/95  SOIL    50731-4   SB04-009-68  29845     SB04-900A-68  < 36      < 1.1   0  *
*-----*
* 02/21/95  WATER   50962-4   GW04-012     30004     GW04-210A    < 1000    53      0  *
*****
    
```

CENED-ED-GL  
SAMPLE CONTAINER RECEIPT FORM

PROJECT: Ft. Story

Project #: E0362  
Work Order #: \_\_\_\_\_

Container received on 2.3.95 and inspected on 2.3.95 by: Cheryl Noor

1. Temperature 3.8 °C. Temperature taken on 2.3.95 (date)
2. Shipper \_\_\_\_\_ Shipper # 05612741066  
(USM, UPS, DHL, FEDEX, P/C, AIR EXP, HAND-DELIVERED)
3. Container type (Cooler, box, envelope, etc.) \_\_\_\_\_
4. Were custody seals on outside of container? N/A Yes No  
How many & where: \_\_\_\_\_, seal date: \_\_\_\_\_, seal name: \_\_\_\_\_
5. Were custody papers taped to lid inside container? N/A Yes No
6. Custody papers properly filled out? (ink, signed, etc.) Yes No
7. Was project and project # NO PROJECT # identifiable from custody papers? Yes No
8. Did you sign custody papers in appropriate place? Yes No
9. Did you attach shipper's packing form to this form? N/A Yes No
10. Packing material (peanuts, vermiculite, bubble wrap, paper, cans, other)
11. Were all samples sealed in separate plastic bags? N/A Yes No
12. Did all samples arrive in good condition? Yes No
13. Sample labels complete? (#, date, analysis, preservation, sign.) Yes No
14. Were correct sample containers used for tests indicated? N/A Yes No
15. Were correct preservatives used? (TM pH\_\_\_\_, CN- pH\_\_\_\_)  
(TOC pH\_\_\_\_, NUTRIENT pH\_\_\_\_, TOX pH\_\_\_\_, TPH pH\_\_\_\_, OTHER pH\_\_\_\_) N/A Yes No
16. Were VOA vials bubble-free (H<sub>2</sub>O) or no headspace (soil)? N/A Yes No
17. Was sufficient amount of sample sent in each container? Yes No
18. Did all sample labels agree with custody papers? Yes No
19. Were air volumes noted for air samples? N/A Yes No
20. Were initial weights noted for pre-weighed filters? N/A Yes No

Discrepancies: #6 Did not show transfer of Custody to shipper.

# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

- 5102 LaRoche Avenue, Savannah, GA 31404
- 2846 Industrial Plaza Drive, Tallahassee, FL 32301
- 414 SW 12th Avenue, Deerfield Beach, FL 33442
- 900 Lakeside Drive, Mobile, AL 36693
- 6712 Benjamin Road, Suite 100, Tampa, FL 33634
- 110 Alpha Drive, Destrehan, LA 70047

- Phone: (912) 354-7858 Fax: (912) 352-0165
- Phone: (904) 878-3994 Fax: (904) 878-9504
- Phone: (305) 421-7400 Fax: (305) 421-2584
- Phone: (205) 666-6633 Fax: (205) 666-6696
- Phone: (813) 885-7427 Fax: (813) 885-7049
- Phone: (504) 764-1100 Fax: (504) 725-1163

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE <i>Ft. Story FTA</i>		PROJECT NO. <i>0295-588</i>	P.O. NUMBER <i>T.O. 002</i>	MATRIX TYPE	REQUIRED ANALYSES	PAGE/	OF/
PROJECT LOC. (State) <i>VA</i>	SAMPLER(S) NAME <i>S.A. Bailey</i>	PHONE <i>804-873-8700</i>	FAX <i>804-873-8723</i>	AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (oil, solvent, etc)	TPH Heavy-DRO TCL SWGS TPH Light-DRO TCL VOCs	<input type="checkbox"/> STANDARD REPORT DELIVERY <input type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge) Date Due: _____	
CLIENT NAME <i>Maldy Pirnie</i>		CLIENT PROJECT MANAGER <i>Anthony Pace</i>					
CLIENT ADDRESS (CITY, STATE, ZIP) <i>11032 Rock Land Dr. NN, VA 23606</i>							

SAMPLE		SL NO.	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS SUBMITTED										REMARKS			
DATE	TIME			1	2	3	4	5	6	7	8	9	10				
<i>2/2/95</i>	<i>1330</i>		<i>SS04-610A-01 (Project # E0362)</i>	<i>X</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>									
<i>2/2/95</i>	<i>1806</i>																

*TPH 8015 M-DRO*     *TPH 8015 M-DRO*     *John*  
*PK 23-75*

*UPS Air bill No. 0561 2741 066*

RELINQUISHED BY: (SIGNATURE) <i>S.A. Bailey</i>	DATE <i>2/2/95</i>	TIME <i>1730</i>	RELINQUISHED BY: (SIGNATURE) <i>S.A. Bailey</i>	DATE <i>2/2/95</i>	TIME <i>1730</i>	RELINQUISHED BY: (SIGNATURE) <i>CL Pirnie</i>	DATE <i>2-3-95</i>	TIME <i>1800</i>
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

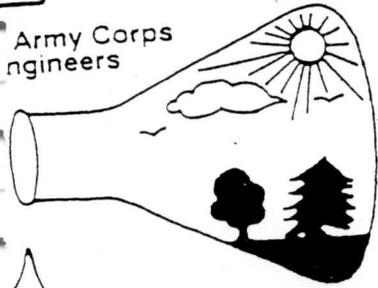
LABORATORY USE ONLY							
RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT <input type="checkbox"/> YES <input type="checkbox"/> NO	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS	

ORIGINAL

Fascimile Transmittal Header Sheet



Army Corps  
Engineers



ENVIRONMENTAL  
LABORATORY

Hubbardston MA 01452

DATE: 2-3-95

TO:

STEVE CHO

Ext./Bldg.

Organization

USACE

Telecopier No.

410-962-7736

FROM:

CAROLYN FALF

Number of Pages 3 (including cover sheet)

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COMMENTS:

Multiple horizontal lines for handwritten comments.



CENED-ED-GL  
 SAMPLE CONTAINER RECEIPT FORM

PROJECT: F7 STORY Project #: FO362  
 Work Order #: \_\_\_\_\_

Container received on 2-6-95 and inspected on 2-6-95 by: [Signature]

1. Temperature 4.6 °C. Temperature taken on 2-6-95 (date)
2. Shipper \_\_\_\_\_ Shipper # 05612741306  
 (USM, UPS, DHL, FEDEX, P/C, AIR EXP, HAND-DELIVERED)
3. Container type (Cooler, box, envelope, etc.) \_\_\_\_\_
4. Were custody seals on outside of container? N/A Yes No  
 How many & where: (2) AROUND, seal date: 2-3-95, seal name: SIGNATURE
5. Were custody papers taped to lid inside container? N/A Yes No
6. Custody papers properly filled out? (ink, signed, etc.) Yes No
7. Was project and project # identifiable from custody papers? Yes No
8. Did you sign custody papers in appropriate place? Yes No
9. Did you attach shipper's packing form to this form? N/A Yes No
10. Packing material (peanuts, vermiculite, bubble wrap, paper, cans, other)
11. Were all samples sealed in separate plastic bags? N/A Yes No
12. Did all samples arrive in good condition? Yes No
13. Sample labels complete? (#, date, analysis, preservation, sign.) Yes No
14. Were correct sample containers used for tests indicated? N/A Yes No
15. Were correct preservatives used? (TM pH\_\_\_\_, CN- pH\_\_\_\_) N/A Yes No  
 (TOC pH\_\_\_\_, NUTRIENT pH\_\_\_\_, TOX pH\_\_\_\_, TPH pH\_\_\_\_, OTHER pH\_\_\_\_)
16. Were VOA vials bubble-free (H<sub>2</sub>O) or no headspace (soil)? N/A Yes No
17. Was sufficient amount of sample sent in each container? Yes No
18. Did all sample labels agree with custody papers? Yes No
19. Were air volumes noted for air samples? N/A Yes No
20. Were initial weights noted for pre-weighed filters? N/A Yes No

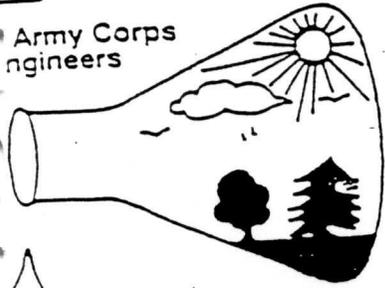
Discrepancies: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_





Fascimile Transmittal Header Sheet

Army Corps  
Engineers



ENVIRONMENTAL  
LABORATORY

Hubbardston MA 01452

DATE: 2-6-95

TO:

Steve Cho

Ext./Bldg.

Organization

USACOE

Telecopier No.

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FROM:

Carolyn Hall

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CENED-ED-GL  
 SAMPLE CONTAINER RECEIPT FORM

PROJECT: FT STORY FTA

Project #: E0362  
 Work Order #: —

Container received on 2-8-95 and inspected on 2-8-95 by: Alfau

1. Temperature 4.4 °C. Temperature taken on \_\_\_\_\_ (date)
2. Shipper \_\_\_\_\_ Shipper # 05612741 217  
 (USM, UPS, DHL, FEDEX, P/C, AIR EXP, HAND-DELIVERED)
3. Container type (Cooler, box, envelope, etc.) \_\_\_\_\_
4. Were custody seals on outside of container? N/A Yes No  
 How many & where: (2) AROUND, seal date: 2-7-95, seal name: SIGNATURE
5. Were custody papers taped to lid inside container? N/A Yes No
6. Custody papers properly filled out? (ink, signed, etc.) Yes No
7. Was project and project # identifiable from custody papers? Yes ~~No~~
8. Did you sign custody papers in appropriate place? Yes No
9. Did you attach shipper's packing form to this form? N/A Yes No
10. Packing material (peanuts, vermiculite, bubble wrap, paper, cans, other)
11. Were all samples sealed in separate plastic bags? N/A Yes No
12. Did all samples arrive in good condition? Yes No
13. Sample labels complete? (#, date, analysis, preservation, sign.) Yes No
14. Were correct sample containers used for tests indicated? N/A Yes No
15. Were correct preservatives used? (TM pH\_\_\_\_, CN- pH\_\_\_\_) N/A Yes No  
 (TOC pH\_\_\_\_, NUTRIENT pH\_\_\_\_, TOX pH\_\_\_\_, TPH pH\_\_\_\_, OTHER pH\_\_\_\_)
16. Were VOA vials bubble-free (H<sub>2</sub>O) or no headspace (soil)? N/A Yes No
17. Was sufficient amount of sample sent in each container? Yes No
18. Did all sample labels agree with custody papers? Yes No
19. Were air volumes noted for air samples? N/A Yes No
20. Were initial weights noted for pre-weighed filters? N/A Yes No

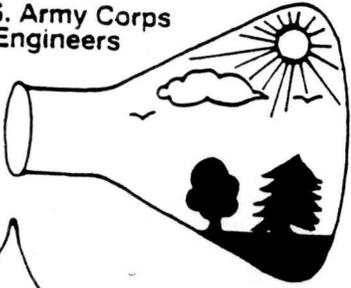
Discrepancies: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_







U.S. Army Corps  
of Engineers



**ENVIRONMENTAL  
LABORATORY**

Hubbardston MA 01452

# Fascimile Transmittal Header Sheet

DATE: 2-11-95

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CENED-ED-GL  
SAMPLE CONTAINER RECEIPT FORM

PROJECT: F7 STORY - FTAProject #: EC362  
Work Order #: 95-258Container received on 2-22-95 and inspected on 2-22-95 by: [Signature]

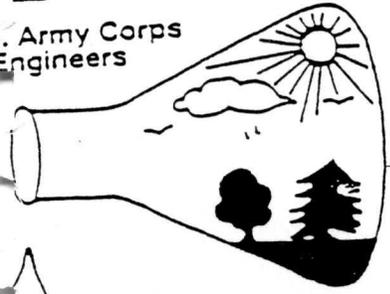
1. Temperature 4.8 °C. Temperature taken on 2-22-95 (date)
2. Shipper \_\_\_\_\_ Shipper # C56-1 2743 171  
(USM, UPS, DHL, FEDEX, P/C, AIR EXP, HAND-DELIVERED)
3. Container type (Cooler, box, envelope, etc.) \_\_\_\_\_
4. Were custody seals on outside of container? N/A Yes  No   
How many & where: \_\_\_\_\_, seal date: \_\_\_\_\_, seal name: \_\_\_\_\_
5. Were custody papers taped to lid inside container? N/A  Yes  No
6. Custody papers properly filled out? (ink, signed, etc.)  Yes  No
7. Was project and project # identifiable from custody papers?  Yes  No
8. Did you sign custody papers in appropriate place?  Yes  No
9. Did you attach shipper's packing form to this form? N/A  Yes  No
10. Packing material (peanuts, vermiculite, bubble wrap, paper, cans, other)
11. Were all samples sealed in separate plastic bags? N/A  Yes  No
12. Did all samples arrive in good condition? Yes  No
13. Sample labels complete? (#, date, analysis, preservation, sign.)  Yes  No
14. Were correct sample containers used for tests indicated? N/A  Yes  No
15. Were correct preservatives used? (TM pH \_\_\_\_, CN- pH \_\_\_\_, TOC pH \_\_\_\_, NUTRIENT pH \_\_\_\_, TOX pH \_\_\_\_, TPH pH \_\_\_\_, OTHER pH \_\_\_\_)  N/A  Yes  No
16. Were VOA vials bubble-free (H<sub>2</sub>O) or no headspace (soil)? N/A  Yes  No
17. Was sufficient amount of sample sent in each container?  Yes  No
18. Did all sample labels agree with custody papers?  Yes  No
19. Were air volumes noted for air samples?  N/A  Yes  No
20. Were initial weights noted for pre-weighed filters?  N/A  Yes  No

Discrepancies: (12) ONE OF THE TWO 1-LITER AMBER GLASS BOTTLES LABELED "TAH HEAVY" ARRIVED IN BROKEN CONDITION BECAUSE SAMPLE CONTAINER WAS ENCLOSED IN A SEALED PLASTIC BAG NO SAMPLE WAS RELEAISED INTO COOLER ALSO EACH OF THE TWO SETS OF THREE 40-ML VOA VIALS WERE PACKAGED TOGETHER, WERE WET, AND SHARED A COMMON LABEL OUTSIDE THE PACKAGE. THIS IS NOT SATISFACTORY, EACH CONTAINER, INCLUDING VOA VIALS, MUST BE INDIVIDUALLY LABELED.



Facsimile Transmittal Header Sheet

U.S. Army Corps  
Engineers



ENVIRONMENTAL  
LABORATORY

Hubbardston MA 01452

DATE: 2.25.95

TO: Steve Cho

Ext./Bldg. \_\_\_\_\_

Organization \_\_\_\_\_

Telecopier No. 410-962-7736

FROM: Sample Custodian

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OUR TELECOPIER NUMBER IS: 508-928-5494

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COMMENTS: \_\_\_\_\_  
\_\_\_\_\_  
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\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



RECORD OF TRANSMITTAL

CENED-ED-GL

20 July 1995

FOR Project Engineer, U.S. Army Engineer District, Baltimore  
P.O. Box 1715  
Baltimore, MD 21203-1715  
ATTN: CENAB-EN-HM (Steven Cho)

SUBJECT: Fort Story LARC-60, Fort Story, VA, Chemical Quality Assurance Report (CQAR)

1. References:

- a. Environmental Laboratory Project No. E0361
- b. Data Report, Malcolm Pirnie, Inc., dated 8 June 1995, recv'd. 9 June 1995.
- c. Memorandum, CEMRD-ED-GC, 16 Aug 1989, Subject: Minimum Chemistry Data Reporting Requirements for DERP and Superfund HTW Projects.

2. QA samples from four shipments were analyzed, resulting in a total of 494 target analyte determinations. In 54 of these determinations analytes were detected by either one or both laboratories. Results from analysis of QA samples were compared with results from analysis of the corresponding primary samples (ref 1b). Results of the comparison are as follows:

- a. The primary laboratory was Savannah Laboratories & Environmental Services, Inc., Savannah, GA.
- b. Results from the primary and QA samples agreed overall in 485 (98%) of the comparisons.
- c. Results from the primary and QA samples agreed quantitatively in 45 out of 54 or (83%) of the comparisons. Quantitative agreement represents only those determinations where an analyte was detected by at least one laboratory.
- d. There were 5 (1%) major discrepancies between results from the primary and QA samples.
- e. There were minor discrepancies in 4 (0.8%) of the comparisons.

3. QA analyses were performed at the NED Environmental Laboratory, E3I, Somerville, MA and Quanterra, Sacramento, CA.

4. The CENED-ED-GL POC is David Lubianez, 508-928-4238.

Encl

CF (w/encl):  
CEMP-RT Larry Becker  
CEMRD-ED-EC Anand Mudambi

Quality Assurance Split Sample  
Data Comparison Summary

Project: Fort Story LARC-60, Fort Story, VA

Test Parameter	Overall Agreement (1)		Quantitative Agreement (2)	
	Number	Percent	Number	Percent
VOA	142/145	98	10/13	77
BNA	315/315	100	16/16	100
Metals	20/23	87	16/19	84
TPH (GRO)	4/5	80	1/2	50
TPH (DRO)	3/5	60	2/4	50
Cyanide	1/1	100	N/A	N/A
<b>Total</b>	<b>485/494</b>	<b>98</b>	<b>45/54</b>	<b>83</b>

NOTES:

- (1) Represents the number and percentage agreement of all determinations including analytes not detected by either laboratory.
- (2) Represents the number and percentage agreement of only those determinations where an analyte was detected by at least one laboratory.

ANALYSES PERFORMED BY QA LABORATORY

<u>SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLE DATE</u>	<u>ANALYSIS</u>
SS06-300A-01	SOIL	2/8/95	VOA, BNA, TPH(DRO), TPH(GRO)
SB06-400A-79	SOIL	2/14/95	VOA, BNA, TPH(DRO), TPH(GRO)
GW06-110A	WATER	3/6/95	VOA, TPH(DRO), TPH(GRO), BNA
SB06-007A-45	SOIL	3/15/95	VOA, TPH(DRO), TPH(GRO), BNA
SB06-020A-45	SOIL	3/15/95	VOA, TPH(DRO), TPH(GRO), BNA, CN, TAL MET.

## QA Findings

(Fort Story LARC-60, Fort Story, VA, Project No. E0361)

### 1. QA sample shipping and chain-of-custody deficiencies.

Four shipments of QA samples were received on 2/8/95, 2/14/95, 3/9/95, and 3/16/95. Proper sample handling protocols were mostly followed except that no custody seals were present on the outside of the shipping container for all shipments and there was no label information on VOA vials from the 3/9/95 shipment. Also, no trip blank accompanied the water sample for volatile analysis in the 3/9/95 shipment. This deficiency was not initially identified by the QA laboratory upon receipt of the samples.

Chain of custody documents and cooler receipt forms are appended to this report for reference.

### 2. Data comparison for volatiles.

There were 145 VOA determinations. In 13 of these determinations VOCs were detected by at least one laboratory. There was an overall agreement in 142 (98%) of the cases and quantitative in 10 out of 13 or 77%. Disagreement was due to two minor data discrepancies and one major one.

A major discrepancy was noted on sample 30177 where the QA lab reported < 1.5 ng/g tetrachloroethene and the contractor's lab reported 71 ng/g. No explanation can be offered; contractor's data package did not contain quality control information.

### 3. Data comparison for semivolatiles.

There were 315 semivolatile determinations. In 16 of these determinations semivolatile compounds were detected by at least one laboratory. There was overall and quantitative agreement in 315 (100%) of the cases. No data discrepancies were noted.

### 4. Data comparison for trace metals.

There were 23 analyte determinations. In 19 of these determinations metals were detected by at least one laboratory. There was overall agreement in 20 (87%) of the cases and quantitative agreement in 16 out of 19 or 84%. Disagreement was due to one major data discrepancy and two minor ones.

There was a major discrepancy noted on sample 30177 in which the QA lab reported 4.6 ug/g mercury whereas the contractor's lab reported < 0.011 ug/g. Contractor lab's data package did not include quality control information; no explanation for this discrepancy can be offered.

5. Data comparison for cyanide.

There was 1 cyanide determination in which both laboratories reported less than detection limit values. There was 100% agreement.

6. Data comparison for total petroleum hydrocarbons gasoline range organics.

There were 5 TPH (GRO) determinations. In 2 of these determinations gasoline range organics were detected by at least one laboratory. There was overall agreement in 4 (80%) of the cases and quantitative agreement in 1 out of 2 or 50%. Disagreement was due to one major discrepancy.

A major discrepancy was noted on sample 30176 in which the QA lab reported 5.0 mg/Kg and the contractor's lab reported < 0.27 mg/Kg.

7. Data comparison for total petroleum hydrocarbons diesel range organics.

There were 5 TPH (DRO) determinations. In 4 of these determinations DRO was detected by the QA laboratory only. There was overall agreement in 3 (60%) of the cases and quantitative agreement in 2 out of 4 or 50%. Disagreement was due to two major data discrepancies.

Major discrepancies were noted on samples 29978 and 30176 in which the QA lab reported 4.4 mg/Kg and 71 mg/Kg diesel range organics, respectively and the contractor's lab reported 150 mg/Kg and 880 mg/Kg, respectively.

8. Comments.

Contractor's data report was not in compliance with the Minimum Chemistry Data Reporting Requirements as information about sample receipt and results of quality control samples were not contained in the report to the QA lab.

Preparation and digestion methods were not reported in the contractor's data package.

Savannah Laboratories at the Savannah, GA location is not listed on the list of Corps validated laboratories. Other Savannah Laboratories are listed, however, the header on the data sheets of the contractor's report indicates the Savannah, GA location.

APPENDIX A

Analytical Methods

Test Parameter	QA lab	Primary Lab
VOA	8260A	8240
BNA	3540/3510/8270	8270
TPH	8015M	8015M
Metals except:	6010	6010
arsenic	3051/3015 7060	7060
lead	3051/3015/7421	7421
selenium	3051/3015/7740	7740
thallium	3051/3015/7841	7841
mercury	7471/7470	7471/7470
cyanide	9012	9010

**APPENDIX B**  
**KEY TO COMMENTS ON DATA COMPARISON TABLES**

0 - Data agrees if any one of the following apply:

- both values are less than respective detection limit ( $N < MDL$ )
- $N_1 < MDL_1$  and  $N_2 > MDL_2$  but  $< MDL_1$
- both values are above respective detection limit ( $N > MDL$ ) and difference between two values satisfies conditions below

Metals                    <2x difference for waters, TCLP extracts  
                         <3x difference for airs  
                         <10x difference for solids and oils

Semivolatiles       <5x difference for all matrices  
Volatiles  
TPH, BTEX

Pesticides           <5x difference for liquids  
Herbicides           <10x difference for solids  
PCB's                 <5x difference for airs

Alkalinity           <2x difference for all matrices  
Hardness, Ammonia  
(water quality, etc.)

- 1 - Minor contamination by laboratory contaminant  
2 - Not tested by both laboratories  
3 - Minor data discrepancy, disagreement not serious, if any one of the following apply:

- $N_1 < MDL_1$  and  $N_2 > MDL_2$  and the difference between values  $N_2$  and  $MDL_1$  does not exceed the upper limit (described below) defining a minor data discrepancy
- both values are above respective detection limit ( $N > MDL$ ) and conditions described below apply to the difference between the two values

Metals                    2x < difference < 5x for waters, TCLP extracts  
                         10x < difference < 20x for solids, oils  
                         3x < difference < 5x for airs

Semivolatiles,       5x < difference < 10x for all matrices  
VOA, TPH, BTEX

Pesticide/PCB       5x < difference < 10x for liquids  
Herbicides           10x < difference < 20x for solids

Alkalinity           2x < difference < 5x for all matrices  
Hardness, Ammonia  
(water quality, etc.)

4 - Major data discrepancy, disagreement serious, if any one of the following apply:

- $N_1 < MDL_1$  and  $N_2 > MDL_2$  and the difference between values  $N_2$  and  $MDL_1$  exceeds the limit (described below) defining a major data discrepancy
- both values are above respective detection limit ( $N > MDL$ ) and conditions described below apply to the difference between the two values

Metals >5x difference for waters, TCLP extracts, airs  
>20x difference for solids, oils

Semivolatiles, >10x difference for all matrices  
VOA, TPH, BTEX

Pesticide/PCB >10x difference for liquids  
Herbicides >20x difference for solids

Alkalinity >5x difference for all matrices  
Hardness, Ammonia  
(water quality, etc.)

MDL = Method Detection Limit

N = Analytical result

Key to data qualifiers:

B - detected in method blank

J - estimated value, above MDL but below practical quantitation limit

NR - Not reported

COMPARISON OF QA & CONTRACTOR RESULTS  
 PROJECT: FORT STORY, VA - LARC 60

QA SAMPLE NO.: 29846  
 QA FIELD ID: SS06-300A-01  
 QA ANALYSIS DATE: 02/14/95

CONTRACTOR'S SAMPLE NO.: 50730-2  
 CONTRACTOR'S FIELD ID: SS06-003-01  
 CONTRACTOR'S ANALYSIS DATE: 02/15/95

MATERIAL DESCRIPTION: SOIL  
 DATE SAMPLED: 02/08/95  
 UNITS: ng/g

PARAMETER	RESULTS		RESULTS		COMPARISON CODE
	QA LAB MDL	QA LAB	CONTRACTOR MDL	CONTRACTOR	
Dichlorodifluoromethane	< 7.3			NA	2
Chloromethane	< 2.0		< 10		0
Vinyl chloride	< 1.4		< 10		0
Bromomethane	< 2.6		< 10		0
Chloroethane	< 1.9		< 10		0
Trichlorofluoromethane	< 1.1			NA	2
1,1-Dichloroethene	< 1.6		< 5.2		0
Dichloromethane (MeC12)	< 1.9		< 5.2		0
trans-1,2-Dichloroethene	< 1.7		< 5.2		0
1,1-Dichloroethane	< 1.4		< 5.2		0
2,2-Dichloropropane	< 5.0			NA	2
cis 1,2-Dichloroethene	< 1.6		< 5.2		0
Chloroform	< 1.6		< 5.2		0
Bromochloromethane	< 2.1			NA	2
1,1,1-Trichloroethane	< 2.3		< 5.2		0
1,1-Dichloropropene	< 1.6			NA	2
Carbon Tetrachloride	< 2.1		< 5.2		0
1,2-Dichloroethane	< 3.0		< 5.2		0
Benzene	< 2.1		< 5.2		0
Trichloroethene	< 2.1		< 5.2		0
1,2-Dichloropropane	< 1.7		< 5.2		0
Bromodichloromethane	< 1.9		< 5.2		0
Dibromomethane	< 2.9			NA	2
cis 1,3-Dichloro,1-propene	< 2.4		< 5.2		0
Toluene	< 1.8		< 5.2		0
trans 1,3-Dichloro,1-propene	< 3.5		< 5.2		0
1,1,2-Trichloroethane	< 3.6		< 5.2		0
1,2-Dibromoethane	< 3.6			NA	2
1,3-Dichloropropane	< 2.6			NA	2
Tetrachloroethene	< 1.5		< 5.2		0
Dibromochloromethane	< 2.2		< 5.2		0
Chlorobenzene	< 1.4		< 5.2		0
1,1,1,2-Trachloroethane	< 1.5			NA	2
Ethylbenzene	< 1.4		< 5.2		0
Total Xylene	< 1.9		< 5.2		0
Styrene	< 1.4		< 5.2		0
Bromoform	< 3.2		< 5.2		0
Isopropylbenzene	< 1.5			NA	2

QA SAMPLE NO.: 29846

CONTRACTOR'S SAMPLE NO.: 50730-2

PARAMETER	RESULTS		RESULTS		COMPARISON CODE
	QA LAB MDL	QA LAB	CONTRACTOR MDL	CONTRACTOR	
1,1,2,2-Tetrachloroethane	< 4.9		< 5.2		0
1,2,3-Trichloropropane	< 2.6			NA	2
n-Propylbenzene	< 1.4			NA	2
Bromobenzene	< 1.6			NA	2
1,3,5-Trimethylbenzene	< 1.5			NA	2
2-Chlorotoluene	< 1.6			NA	2
4-Chlorotoluene	< 1.2			NA	2
tert-Butylbenzene	< 1.6			NA	2
1,2,4-Trimethylbenzene	< 1.4			NA	2
sec-Butylbenzene	< 1.4			NA	2
p-Isopropyltoluene	< 1.4			NA	2
1,3-Dichlorobenzene	< 1.4			NA	2
1,4-Dichlorobenzene	< 1.5			NA	2
n-Butylbenzene	< 1.5			NA	2
1,2-Dichlorobenzene	< 1.6			NA	2
1,2-Dibromo-3-chloropropane	< 3.4			NA	2
1,2,4-Trichlorobenzene	< 1.8			NA	2
Hexachlorobutadiene	< 1.7			NA	2
Naphthalene	< 2.6			NA	2
1,2,3-Trichlorobenzene	< 2.3			NA	2

SURROGATE RECOVERIES (%)

	QA	CONTRACTOR
Dibromofluoromethane (80-120)	84	88
Toluene D8 (88-110)	91	106
4-Bromofluorobenzene (86-115)	*71	110

\* = SURROGATE RECOVERY OUTSIDE ACCEPTABLE RANGE

SEE APPENDIX B FOR KEY TO COMMENTS

COMPARISON OF QA & CONTRACTOR RESULTS  
PROJECT: FORT STORY, VA - LARC 60

QA SAMPLE NO.: 29978  
QA FIELD ID: SB06-400A-79  
QA ANALYSIS DATE: 03/17/95

CONTRACTOR'S SAMPLE NO.: 50819-2  
CONTRACTOR'S FIELD ID: SB06-004-79  
CONTRACTOR'S ANALYSIS DATE: 02/21/95

MATERIAL DESCRIPTION: SOIL  
DATE SAMPLED: 02/14/95  
UNITS: ng/g

PARAMETER	RESULTS		RESULTS		COMPARISON CODE
	QA LAB MDL	QA LAB	CONTRACTOR MDL	CONTRACTOR	
Dichlorodifluoromethane	< 7.5			NA	2
Chloromethane	< 2.1		< 11		0
Vinyl chloride	< 1.4		< 11		0
Bromomethane	< 2.7		< 11		0
Chloroethane	< 2.0		< 11		0
Trichlorofluoromethane	< 1.1			NA	2
1,1-Dichloroethene	< 1.7		< 5.5		0
Dichloromethane (MeCl2)	< 2.0	B 7.0	< 5.5		1
trans-1,2-Dichloroethene	< 1.8		< 5.5		0
1,1-Dichloroethane	< 1.4		< 5.5		0
2,2-Dichloropropane	< 5.2			NA	2
cis 1,2-Dichloroethene	< 1.6		< 5.5		0
Chloroform	< 1.6		< 5.5		0
Bromochloromethane	< 2.2			NA	2
1,1,1-Trichloroethane	< 2.4		< 5.5		0
1,1-Dichloropropene	< 1.6			NA	2
Carbon Tetrachloride	< 2.2		< 5.5		0
1,2-Dichloroethane	< 3.1		< 5.5		0
Benzene	< 2.2		< 5.5		0
Trichloroethene	< 2.2		< 5.5		0
1,2-Dichloropropane	< 1.8		< 5.5		0
Bromodichloromethane	< 2.0		< 5.5		0
Dibromomethane	< 3.0			NA	2
cis 1,3-Dichloro,1-propene	< 2.5		< 5.5		0
Toluene	< 1.9		< 5.5		0
trans 1,3-Dichloro,1-propene	< 3.6		< 5.5		0
1,1,2-Trichloroethane	< 3.7		< 5.5		0
1,2-Dibromoethane	< 3.7			NA	2
1,3-Dichloropropane	< 2.7			NA	2
Tetrachloroethene	< 1.5		< 5.5		0
Dibromochloromethane	< 2.3		< 5.5		0
Chlorobenzene	< 1.4		< 5.5		0
1,1,1,2-Trachloroethane	< 1.5			NA	2
Ethylbenzene	< 1.4		< 5.5		0
Total Xylene	< 2.0		< 5.5		0
Styrene	< 1.4		< 5.5		0
Bromoform	< 3.3		< 5.5		0
Isopropylbenzene	< 1.5			NA	2

COMPARISON OF QA & CONTRACTOR RESULTS  
 PROJECT: FORT STORY, VA - LARC 60

PAGE 2 OF 2

QA SAMPLE NO.: 29978

CONTRACTOR'S SAMPLE NO.: 50819-2

PARAMETER	RESULTS		RESULTS		COMPARISON CODE
	QA LAB MDL	QA LAB	CONTRACTOR MDL	CONTRACTOR	
1,1,2,2-Tetrachloroethane	< 5.0		< 5.5		0
1,2,3-Trichloropropane	< 2.7			NA	2
n-Propylbenzene	< 1.4			NA	2
Bromobenzene	< 1.6			NA	2
1,3,5-Trimethylbenzene	< 1.5			NA	2
2-Chlorotoluene	< 1.7			NA	2
4-Chlorotoluene	< 1.2			NA	2
tert-Butylbenzene	< 1.6			NA	2
1,2,4-Trimethylbenzene	< 1.4			NA	2
sec-Butylbenzene	< 1.4			NA	2
p-Isopropyltoluene	< 1.4			NA	2
1,3-Dichlorobenzene	< 1.4			NA	2
1,4-Dichlorobenzene	< 1.5			NA	2
n-Butylbenzene	< 1.5			NA	2
1,2-Dichlorobenzene	< 1.6			NA	2
1,2-Dibromo-3-chloropropane	< 3.5			NA	2
1,2,4-Trichlorobenzene	< 1.9			NA	2
Hexachlorobutadiene	< 1.8			NA	2
Naphthalene	< 2.7	J 4.0		NA	2
1,2,3-Trichlorobenzene	< 2.4	B, J 2.7		NA	1

SURROGATE RECOVERIES (%)

	QA	CONTRACTOR
Dibromofluoromethane (80-120)	88	107
Toluene D8 (88-110)	108	100
4-Bromofluorobenzene (86-115)	*75	101

\* = SURROGATE RECOVERY OUTSIDE ACCEPTABLE RANGE

SEE APPENDIX B FOR KEY TO COMMENTS

COMPARISON OF QA & CONTRACTOR RESULTS  
PROJECT: FORT STORY, VA - LARC 60

QA SAMPLE NO.: 30114  
QA FIELD ID: GW06-110A  
QA ANALYSIS DATE: 03/13/95

CONTRACTOR'S SAMPLE NO.: 51206-6  
CONTRACTOR'S FIELD ID: GW06-011  
CONTRACTOR'S ANALYSIS DATE: 03/11/95

MATERIAL DESCRIPTION: WATER  
DATE SAMPLED: 03/06/95  
UNITS: ug/L

PARAMETER	RESULTS		RESULTS		COMPARISON CODE
	QA LAB MDL	QA LAB	CONTRACTOR MDL	CONTRACTOR	
Dichlorodifluoromethane	< 7.5			NA	2
Chloromethane	< 2.1		< 10		0
Vinyl chloride	< 1.4		< 10		0
Bromomethane	< 2.7		< 10		0
Chloroethane	< 2.0		< 10		0
Trichlorofluoromethane	< 1.1			NA	2
1,1-Dichloroethene	< 1.7		< 5.0		0
Dichloromethane (MeCl2)	< 2.0	B, J 2.7	< 5.0		1
trans-1,2-Dichloroethene	< 1.8		< 5.0		0
1,1-Dichloroethane	< 1.4		< 5.0		0
2,2-Dichloropropane	< 5.2			NA	2
cis 1,2-Dichloroethene	< 1.6	J 3.5	< 5.0		0
Chloroform	< 1.6	J 4.6	< 5.0		0
Bromochloromethane	< 2.2			NA	2
1,1,1-Trichloroethane	< 2.4		< 5.0		0
1,1-Dichloropropene	< 1.6			NA	2
Carbon Tetrachloride	< 2.2		< 5.0		0
1,2-Dichloroethane	< 3.1		< 5.0		0
Benzene	< 2.2		< 5.0		0
Trichloroethene	< 2.2	61		62	0
1,2-Dichloropropane	< 1.8		< 5.0		0
Bromodichloromethane	< 2.0		< 5.0		0
Dibromomethane	< 3.0			NA	2
cis 1,3-Dichloro,1-propene	< 2.5		< 5.0		0
Toluene	< 1.9		< 5.0		0
trans 1,3-Dichloro,1-propene	< 3.6		< 5.0		0
1,1,2-Trichloroethane	< 3.7		< 5.0		0
1,2-Dibromoethane	< 3.7			NA	2
1,3-Dichloropropane	< 2.7			NA	2
Tetrachloroethene	< 1.5	16		12	0
Dibromochloromethane	< 2.3		< 5.0		0
Chlorobenzene	< 1.4		< 5.0		0
1,1,1,2-Trachloroethane	< 1.5			NA	2
Ethylbenzene	< 1.4	6.1	< 5.0		3
Total Xylene	< 2.0	20		37	0
Styrene	< 1.4		< 5.0		0
Bromoform	< 3.3		< 5.0		0
Isopropylbenzene	< 1.5			NA	2

QA SAMPLE NO.: 30114

CONTRACTOR'S SAMPLE NO.: 51206-6

PARAMETER	RESULTS		RESULTS		COMPARISON CODE
	QA LAB MDL	QA LAB	CONTRACTOR MDL	CONTRACTOR	
1,1,2,2-Tetrachloroethane	< 5.0		< 5.0		0
1,2,3-Trichloropropane	< 2.7			NA	2
n-Propylbenzene	< 1.4			NA	2
Bromobenzene	< 1.6			NA	2
1,3,5-Trimethylbenzene	< 1.5	J 4.3		NA	2
2-Chlorotoluene	< 1.7			NA	2
4-Chlorotoluene	< 1.2			NA	2
tert-Butylbenzene	< 1.6			NA	2
1,2,4-Trimethylbenzene	< 1.4	5.6		NA	2
sec-Butylbenzene	< 1.4			NA	2
p-Isopropyltoluene	< 1.4	J 2.3		NA	2
1,3-Dichlorobenzene	< 1.4			NA	2
1,4-Dichlorobenzene	< 1.5			NA	2
n-Butylbenzene	< 1.5			NA	2
1,2-Dichlorobenzene	< 1.6			NA	2
1,2-Dibromo-3-chloropropane	< 3.5			NA	2
1,2,4-Trichlorobenzene	< 1.9			NA	2
Hexachlorobutadiene	< 1.8			NA	2
Naphthalene	< 2.7	J 2.8		NA	2
1,2,3-Trichlorobenzene	< 2.4			NA	2

SURROGATE RECOVERIES (%)

	QA	CONTRACTOR
Dibromofluoromethane (80-120)	*76	84
Toluene D8 (88-110)	105	*86
4-Bromofluorobenzene (86-115)	*68	90

\* = SURROGATE RECOVERY OUTSIDE ACCEPTABLE RANGE

SEE APPENDIX B FOR KEY TO COMMENTS

COMPARISON OF QA & CONTRACTOR RESULTS  
PROJECT: FORT STORY, VA - LARC 60

QA SAMPLE NO.: 30176  
QA FIELD ID: SB06-007A-45  
QA ANALYSIS DATE: 03/23/95

CONTRACTOR'S SAMPLE NO.: 51443-1  
CONTRACTOR'S FIELD ID: SB06-007-45  
CONTRACTOR'S ANALYSIS DATE: 03/23/95

MATERIAL DESCRIPTION: SOIL  
DATE SAMPLED: 03/15/95  
UNITS: ng/g

PARAMETER	RESULTS		RESULTS		COMPARISON CODE
	QA LAB MDL	QA LAB	CONTRACTOR MDL	CONTRACTOR	
Dichlorodifluoromethane	< 8.1			NA	2
Chloromethane	< 2.3		< 11		0
Vinyl chloride	< 1.5		< 11		0
Bromomethane	< 2.9		< 11		0
Chloroethane	< 2.2		< 11		0
Trichlorofluoromethane	< 1.2			NA	2
1,1-Dichloroethene	< 1.8		< 5.4		0
Dichloromethane (MeCl2)	< 2.2	B 32		28	1
trans-1,2-Dichloroethene	< 1.9		< 5.4		0
1,1-Dichloroethane	< 1.5		< 5.4		0
2,2-Dichloropropane	< 5.6			NA	2
cis 1,2-Dichloroethene	< 1.7		< 5.4		0
Chloroform	< 1.7		< 5.4		0
Bromochloromethane	< 2.4			NA	2
1,1,1-Trichloroethane	< 2.6		< 5.4		0
1,1-Dichloropropene	< 1.7			NA	2
Carbon Tetrachloride	< 2.4		< 5.4		0
1,2-Dichloroethane	< 3.3		< 5.4		0
Benzene	< 2.4		< 5.4		0
Trichloroethene	< 2.4		< 5.4		0
1,2-Dichloropropane	< 1.9		< 5.4		0
Bromodichloromethane	< 2.2		< 5.4		0
Dibromomethane	< 3.2			NA	2
cis 1,3-Dichloro,1-propene	< 2.7		< 5.4		0
Toluene	< 2.1		< 5.4		0
trans 1,3-Dichloro,1-propene	< 3.9		< 5.4		0
1,1,2-Trichloroethane	< 4.0		< 5.4		0
1,2-Dibromoethane	< 4.0			NA	2
1,3-Dichloropropane	< 2.9			NA	2
Tetrachloroethene	< 1.6		< 5.4		0
Dibromochloromethane	< 2.5		< 5.4		0
Chlorobenzene	< 1.5		< 5.4		0
1,1,1,2-Trachloroethane	< 1.6			NA	2
Ethylbenzene	< 1.5	J 2.3	< 5.4		0
Total Xylene	< 2.2	11		9.7	0
Styrene	< 1.5	J 1.8	< 5.4		0
Bromoform	< 3.6		< 5.4		0
Isopropylbenzene	< 1.6	J 1.7		NA	2

COMPARISON OF QA & CONTRACTOR RESULTS  
 PROJECT: FORT STORY, VA - LARC 60

QA SAMPLE NO.: 30176

CONTRACTOR'S SAMPLE NO.: 51443-1

PARAMETER	RESULTS		RESULTS		COMPARISON CODE
	QA LAB MDL	QA LAB	CONTRACTOR MDL	CONTRACTOR	
1,1,2,2-Tetrachloroethane	< 5.4		< 5.4		0
1,2,3-Trichloropropane	< 2.9			NA	2
n-Propylbenzene	< 1.5	J 4.3		NA	2
Bromobenzene	< 1.7			NA	2
1,3,5-Trimethylbenzene	< 1.6	26		NA	2
2-Chlorotoluene	< 1.8			NA	2
4-Chlorotoluene	< 1.3			NA	2
tert-Butylbenzene	< 1.7			NA	2
1,2,4-Trimethylbenzene	< 1.5	29		NA	2
sec-Butylbenzene	< 1.5	J 2.6		NA	2
p-Isopropyltoluene	< 1.5	9.1		NA	2
1,3-Dichlorobenzene	< 1.5			NA	2
1,4-Dichlorobenzene	< 1.6			NA	2
n-Butylbenzene	< 1.6			NA	2
1,2-Dichlorobenzene	< 1.7			NA	2
1,2-Dibromo-3-chloropropane	< 3.8			NA	2
1,2,4-Trichlorobenzene	< 2.1			NA	2
Hexachlorobutadiene	< 1.9			NA	2
Naphthalene	< 2.9			NA	2
1,2,3-Trichlorobenzene	< 2.6			NA	2

SURROGATE RECOVERIES (%)

	QA	CONTRACTOR
Dibromofluoromethane (80-120)	101	81
Toluene D8 (88-110)	106	103
4-Bromofluorobenzene (86-115)	102	86

\* = SURROGATE RECOVERY OUTSIDE ACCEPTABLE RANGE

SEE APPENDIX B FOR KEY TO COMMENTS

COMPARISON OF QA & CONTRACTOR RESULTS  
PROJECT: FORT STORY, VA - LARC 60

QA SAMPLE NO.: 30177  
QA FIELD ID: SB06-020A-45  
QA ANALYSIS DATE: 03/24/95

CONTRACTOR'S SAMPLE NO.: 51443-2  
CONTRACTOR'S FIELD ID: SB06-020-45  
CONTRACTOR'S ANALYSIS DATE: 03/22/95

MATERIAL DESCRIPTION: SOIL  
DATE SAMPLED: 03/15/95  
UNITS: ng/g

PARAMETER	RESULTS		RESULTS		COMPARISON CODE
	QA LAB MDL	QA LAB	CONTRACTOR MDL	CONTRACTOR	
Dichlorodifluoromethane	< 7.5			NA	2
Chloromethane	< 2.1		< 11		0
Vinyl chloride	< 1.4		< 11		0
Bromomethane	< 2.7		< 11		0
Chloroethane	< 2.0		< 11		0
Trichlorofluoromethane	< 1.1			NA	2
1,1-Dichloroethene	< 1.7		< 5.3		0
Dichloromethane (MeCl <sub>2</sub> )	< 2.0	B 29		43	1
trans-1,2-Dichloroethene	< 1.8		< 5.3		0
1,1-Dichloroethane	< 1.4		< 5.3		0
2,2-Dichloropropane	< 5.2			NA	2
cis 1,2-Dichloroethene	< 1.6		< 5.3		0
Chloroform	< 1.6		< 5.3		0
Bromochloromethane	< 2.2			NA	2
1,1,1-Trichloroethane	< 2.4		< 5.3		0
1,1-Dichloropropene	< 1.6			NA	2
Carbon Tetrachloride	< 2.2		< 5.3		0
1,2-Dichloroethane	< 3.1		< 5.3		0
Benzene	< 2.2		< 5.3		0
Trichloroethene	< 2.2		< 5.3		0
1,2-Dichloropropane	< 1.8		< 5.3		0
Bromodichloromethane	< 2.0		< 5.3		0
Dibromomethane	< 3.0			NA	2
cis 1,3-Dichloro,1-propene	< 2.5		< 5.3		0
Toluene	< 1.9		< 5.3		0
trans 1,3-Dichloro,1-propene	< 3.6		< 5.3		0
1,1,2-Trichloroethane	< 3.7		< 5.3		0
1,2-Dibromoethane	< 3.7			NA	2
1,3-Dichloropropane	< 2.7			NA	2
Tetrachloroethene	< 1.5			71	4
Dibromochloromethane	< 2.3		< 5.3		0
Chlorobenzene	< 1.4		< 5.3		0
1,1,1,2-Trachloroethane	< 1.5			NA	2
Ethylbenzene	< 1.4		< 5.3		0
Total Xylene	< 2.0			5.4	3
Styrene	< 1.4		< 5.3		0
Bromoform	< 3.3		< 5.3		0
Isopropylbenzene	< 1.5			NA	2

QA SAMPLE NO.: 30177

CONTRACTOR'S SAMPLE NO.: 51443-2

PARAMETER	RESULTS		RESULTS		COMPARISON CODE
	QA LAB MDL	QA LAB	CONTRACTOR MDL	CONTRACTOR	
1,1,2,2-Tetrachloroethane	< 5.0		< 5.3		0
1,2,3-Trichloropropane	< 2.7			NA	2
n-Propylbenzene	< 1.4			NA	2
Bromobenzene	< 1.6			NA	2
1,3,5-Trimethylbenzene	< 1.5			NA	2
2-Chlorotoluene	< 1.7			NA	2
4-Chlorotoluene	< 1.2			NA	2
tert-Butylbenzene	< 1.6			NA	2
1,2,4-Trimethylbenzene	< 1.4			NA	2
sec-Butylbenzene	< 1.4			NA	2
p-Isopropyltoluene	< 1.4			NA	2
1,3-Dichlorobenzene	< 1.4			NA	2
1,4-Dichlorobenzene	< 1.5			NA	2
n-Butylbenzene	< 1.5			NA	2
1,2-Dichlorobenzene	< 1.6			NA	2
1,2-Dibromo-3-chloropropane	< 3.5			NA	2
1,2,4-Trichlorobenzene	< 1.9			NA	2
Hexachlorobutadiene	< 1.8			NA	2
Naphthalene	< 2.7			NA	2
1,2,3-Trichlorobenzene	< 2.4			NA	2

SURROGATE RECOVERIES (%)

	QA	CONTRACTOR
Dibromofluoromethane (80-120)	103	77
Toluene D8 (88-110)	112	102
4-Bromofluorobenzene (86-115)	107	88

\* = SURROGATE RECOVERY OUTSIDE ACCEPTABLE RANGE

SEE APPENDIX B FOR KEY TO COMMENTS

COMPARISON OF QA & CONTRACTOR RESULTS  
 PROJECT: FORT STORY, VA - LARC 60

PAGE 1 OF 2

QA SAMPLE NO.: 29846  
 QA FIELD ID: SS06-300A-01  
 QA ANALYSIS DATE: 03/11/95

CONTRACTOR'S SAMPLE NO.: 50730-2  
 CONTRACTOR'S FIELD ID: SS06-003-01  
 CONTRACTOR'S ANALYSIS DATE: 02/14/95

MATERIAL DESCRIPTION: SOIL  
 DATE SAMPLED: 02/08/95  
 UNITS: ug/kg

PARAMETER	RESULTS		RESULTS		COMPARISON CODE
	QA LAB MDL	QA LAB	CONTRACTOR MDL	CONTRACTOR	
Phenol	< 410		< 340		0
Bis(2-chloroethyl)ether	< 410		< 340		0
2-Chlorophenol	< 410		< 340		0
1,3-Dichlorobenzene	< 410		< 340		0
1,4-Dichlorobenzene	< 410		< 340		0
1,2-Dichlorobenzene	< 410		< 340		0
2-Methylphenol	< 410		< 340		0
Bis(2-chloroisopropyl)ether	< 410		< 340		0
4-Methylphenol	< 410		< 340		0
N-Nitroso-di-n-propylamine	< 410		< 340		0
Hexachloroethane	< 410		< 340		0
Nitrobenzene	< 410		< 340		0
Isophorone	< 410		< 340		0
2-Nitrophenol	< 410		< 340		0
2,4-Dimethylphenol	< 410		< 340		0
Bis(2-chloroethoxy)methane	< 410		< 340		0
2,4-Dichlorophenol	< 1000		< 340		0
1,2,4-Trichlorobenzene	< 410		< 340		0
Naphthalene	< 410		< 340		0
4-Chloroaniline	< 410		< 680		0
Hexachlorobutadiene	< 410		< 340		0
4-Chloro-3-methylphenol	< 410		< 340		0
2-Methylnaphthalene	< 410		< 340		0
Hexachlorocyclopentadiene	< 410		< 340		0
2,4,6-Trichlorophenol	< 410		< 340		0
2,4,5-Trichlorophenol	< 1000		< 340		0
2-Chloronaphthalene	< 410		< 340		0
2-Nitroaniline	< 1000		< 1800		0
Dimethylphthalate	< 410		< 340		0
Acenaphthylene	< 410		< 340		0
3-Nitroaniline	< 1000		< 1800		0
Acenaphthene	< 410		< 340		0
2,4-Dinitrophenol	< 1000		< 1800		0
4-Nitrophenol	< 1000		< 1800		0
Dibenzofuran	< 410		< 340		0
2,6-Dinitrotoluene	< 410		< 340		0

QA SAMPLE NO.: 29846

CONTRACTOR'S SAMPLE NO.: 50730-2

PARAMETER	RESULTS		RESULTS		COMPARISON CODE
	QA LAB MDL	QA LAB	CONTRACTOR MDL	CONTRACTOR	
2,4-Dinitrotoluene	< 410		< 340		0
Diethylphthalate	< 410		< 340		0
4-Chlorophenyl-phenylether	< 410		< 340		0
Fluorene	< 410		< 340		0
4-Nitroaniline	< 1000		< 1800		0
4,6-Dinitro-2-methylphenol	< 1000		< 1800		0
N-Nitrosodiphenylamine	< 410		< 340		0
4-Bromophenyl-phenylether	< 410		< 340		0
Hexachlorobenzene	< 410		< 340		0
Pentachlorophenol	< 1000		< 1800		0
Phenanthrene	< 410		< 340		0
Anthracene	< 410		< 340		0
Di-n-butylphthalate	< 410	J 59	< 340		0
Fluoranthene	< 410		< 340		0
Pyrene	< 410		< 340		0
Butylbenzylphthalate	< 410		< 340		0
3,3-Dichlorobenzidine	< 410		< 680		0
Benzo(a)anthracene	< 410		< 340		0
Bis(2ethylhexyl)phthalate	< 410	B, J 51	< 340		1
Chrysene	< 410		< 340		0
Di-n-octyl phthalate	< 410		< 340		0
Benzo(b)fluoranthene	< 410		< 340		0
Benzo(k)fluoranthene	< 410		< 340		0
Benzo(a)pyrene	< 410		< 340		0
Indeno(1,2,3-cd)pyrene	< 410		< 340		0
Dibenz(a,h)anthracene	< 410		< 340		0
Benzo(g,h,i)perylene	< 410		< 340		0
Carbazole	< 410			NA	2

SURROGATE RECOVERIES (%)

	QA	CONTRACTOR
2-Fluorophenol	47	61
Phenol-d6	51	70
Nitrobenzene-d5	57	62
2-Fluorobiphenyl	66	74
2,4,6-Tribromophenol	68	87
Terphenyl-d14	67	102
1,2-Dichlorobenzene-d4	59	NR
2-Chlorophenol-d4	53	NR

\* = SURROGATE RECOVERY OUTSIDE ACCEPTABLE RANGE

SEE APPENDIX B FOR KEY TO COMMENTS

**APPENDIX D**

**USACE NED LAB QA REPORTS**

RECORD OF TRANSMITTAL

CENED-ED-GL

18 July 1995

FOR Project Engineer, U.S. Army Engineer District, Baltimore  
P.O. Box 1715  
Baltimore, MD 21203-1715  
ATTN: CENAB-EN-HM (Steven Cho)

SUBJECT: Fort Story Firefighter Training Area, Fort Story, VA,  
Chemical Quality Assurance Report (CQAR)

1. References:

a. MIPR No. E87-95-0065

b. Data Report, Malcolm Pirnie, Inc., dated  
8 June 1995, recv'd. 9 June 1995.

c. Memorandum, CEMRD-ED-GC, 16 Aug 1989, Subject: Minimum  
Chemistry Data Reporting Requirements for DERP and Superfund HTW  
Projects.

2. QA samples from four shipments were analyzed, resulting in a  
total of 498 target analyte determinations. In 40 of these  
determinations analytes were detected by either one or both  
laboratories. Results from analysis of QA samples were compared  
with results from analysis of the corresponding primary samples  
(ref 1b). Results of the comparison are as follows:

a. The primary laboratory was Savannah Laboratories &  
Environmental Services, Inc., Savannah, GA.

b. Results from the primary and QA samples agreed overall  
in 494 (99%) of the comparisons.

c. Results from the primary and QA samples agreed  
quantitatively in 36 out of 40 or (90%) of the comparisons.  
Quantitative agreement represents only those determinations where  
an analyte was detected by at least one laboratory.

d. There was 1 (0.2%) major discrepancy between results  
from the primary and QA samples.

e. There were minor discrepancies in 3 (0.6%) of the  
comparisons.

3. QA analyses were performed at the NED Environmental  
Laboratory, E3I, Somerville, MA and Quanterra, Sacramento, CA.

4. The CENED-ED-GL POC is David Lubianez, 508-928-4238.

Encl

CF (w/encl):

CEMP-RT Larry Becker

CEMRD-ED-EC Anand Mudambi

Quality Assurance Split Sample  
Data Comparison Summary

Project: Fort Story Firefighter Training Area,  
Fort Story, VA

Test Parameter	Overall Agreement (1)		Quantitative Agreement (2)	
	Number	Percent	Number	Percent
VOA	147/149	99	7/9	78
BNA	314/315	99	8/9	89
Metals	22/23	96	16/17	94
TPH (GRO)	5/5	100	N/A	N/A
TPH (DRO)	5/5	100	4/4	100
Cyanide	1/1	100	1/1	100
<b>Total</b>	<b>494/498</b>	<b>99</b>	<b>36/40</b>	<b>90</b>

NOTES:

- (1) Represents the number and percentage agreement of all determinations including analytes not detected by either laboratory.
- (2) Represents the number and percentage agreement of only those determinations where an analyte was detected by at least one laboratory.

ANALYSES PERFORMED BY QA LABORATORY

<u>SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLE DATE</u>	<u>ANALYSIS</u>
SS04-610A-01	SOIL	2/2/95	VOA, BNA, TPH(DRO), TPH(GRO)
SB04-510A-24	SOIL	2/3/95	TAL MET., CN
SS04-600A-01	SOIL	2/3/95	VOA, TPH(DRO), TPH(GRO), BNA
SB04-900A-24	SOIL	2/7/95	VOA, TPH(DRO), TPH(GRO), BNA
SB04-900A-68	SOIL	2/7/95	VOA, TPH(DRO), TPH(GRO), BNA
GW04-210A	WATER	2/21/95	VOA, TPH(DRO), TPH(GRO), BNA

## QA Findings

(Fort Story Firefighter Training Area, Fort Story, VA, MIPR No. E87-95-0065)

### 1. QA sample shipping and chain-of-custody deficiencies.

Four shipments of QA samples were received on 2/3/95, 2/6/95, 2/8/95, and 2/22/95. Proper sample handling protocols were mostly followed except that no custody seals were present on the outside of the shipping container from the 2/3/95 shipment and not all samples arrived in good condition and VOA vials were improperly labeled from the 2/22/95 shipment, also no trip blank accompanied the water sample for volatile analysis in the 2/22/95 shipment. This deficiency was not initially identified by the QA laboratory upon receipt of the samples.

Chain of custody documents and cooler receipt forms are appended to this report for reference.

### 2. Data comparison for volatiles.

There were 149 VOA determinations. In 9 of these determinations VOCs were detected by at least one laboratory. There was an overall agreement in 147 (99%) of the cases and quantitative in 7 out of 9 or 78%. Disagreement was due to two minor data discrepancies. No major discrepancies were noted.

### 3. Data comparison for semivolatiles.

There were 315 semivolatile determinations. In 9 of these determinations semivolatile compounds were detected by at least one laboratory. There was overall agreement in 314 (99%) of the cases and quantitative agreement in 8 out of 9 or 88%. Disagreement was due to one minor data discrepancy. No major discrepancies were noted.

### 4. Data comparison for trace metals.

There were 23 analyte determinations. In 17 of these determinations metals were detected by at least one laboratory. There was overall agreement in 22 (96%) of the cases and quantitative agreement in 16 out of 17 or 94%. Disagreement was due to one major data discrepancy.

There was a major discrepancy noted on sample 29831 in which the QA lab reported 0.20 ug/g mercury whereas the contractor's lab reported < 0.010 ug/g.

### 5. Data comparison for cyanide.

There was 1 cyanide determination in which cyanide was detected by the QA lab only. There was 100% agreement.

6. Data comparison for total petroleum hydrocarbons gasoline range organics.

There were 5 TPH (GRO) determinations which agreed 100% in that no gas range organics were detected by either lab.

7. Data comparison for total petroleum hydrocarbons diesel range organics.

There were 5 TPH (DRO) determinations. In 4 of these determinations DRO was detected by the QA laboratory only. There was 100% agreement; no discrepancies were noted.

8. Comments.

Contractor's data report was not in compliance with the Minimum Chemistry Data Reporting Requirements as information about sample receipt and results of quality control samples were not contained in the report to the QA lab.

Preparation and digestion methods were noted reported in the contractor's data package.

Savannah Laboratories at the Savannah, GA location is not listed on the list of Corps validated laboratories. Other Savannah Laboratories are listed, however, the header on the data sheets of the contractor's report indicates the Savannah, GA location.

APPENDIX A

Analytical Methods

Test Parameter	QA lab	Primary Lab
VOA	8260A	8240
BNA	3540/3510/8270	8270
TPH	8015M	8015M
Metals except:	6010	6010
arsenic	3051/3015 7060	7060
lead	3051/3015/7421	7421
selenium	3051/3015/7740	7740
thallium	3051/3015/7841	7841
mercury	7471/7470	7471/7470
cyanide	9012	9010

COMPARISON OF QA & CONTRACTOR RESULTS

PROJECT: FORT STORY, VA - FIRE TRAINING AREA

QA SAMPLE NO.: 29806  
 QA FIELD ID: SS04-610A-01  
 QA ANALYSIS DATE: 02/14/95

CONTRACTOR'S SAMPLE NO.: 50631-6  
 CONTRACTOR'S FIELD ID: SS04-016-01  
 CONTRACTOR'S ANALYSIS DATE: 02/10/95

MATERIAL DESCRIPTION: SOIL  
 DATE SAMPLED: 02/02/95  
 UNITS: ug/kg

PARAMETER	RESULTS		RESULTS		COMPARISON CODE
	QA LAB MDL	QA LAB	CONTRACTOR MDL	CONTRACTOR	
Chloromethane	< 11		< 11		0
Vinyl chloride	< 11		< 11		0
Bromomethane	< 11		< 11		0
Chloroethane	< 11		< 11		0
1,1-Dichloroethene	< 5.0		< 5.4		0
Acetone	< 11		< 27		0
Carbon disulfide	< 5.0		< 5.4		0
Methylene chloride	< 5.0	J 5.0	< 5.4		0
1,2-Dichloroethane (total)	< 5.0		< 5.4		0
1,1-Dichloroethane	< 5.0		< 5.4		0
2-Butanone	< 11		< 27		0
Chloroform	< 5.0		< 5.4		0
1,1,1-Trichloroethane	< 5.0		< 5.4		0
Carbon tetrachloride	< 5.0		< 5.4		0
Benzene	< 5.0		< 5.4		0
1,2-Dichloroethane	< 5.0		< 5.4		0
Trichloroethene	< 5.0		< 5.4		0
1,2-Dichloropropane	< 5.0		< 5.4		0
Bromodichloromethane	< 5.0		< 5.4		0
4-Methyl-2-pentanone	< 11		< 27		0
cis-1,3-Dichloropropene	< 5.0		< 5.4		0
Toluene	< 5.0	39		15	0
trans-1,3-Dichloropropene	< 5.0		< 5.4		0
1,1,2-Trichloroethane	< 5.0		< 5.4		0
Tetrachloroethene	< 5.0		< 5.4		0
2-Hexanone	< 11		< 27		0
Dibromochloromethane	< 5.0		< 5.4		0
Chlorobenzene	< 5.0		< 5.4		0
Ethylbenzene	< 5.0		< 5.4		0
o/m/p-Xylenes	< 5.0	7.0	< 5.4		3
Styrene	< 5.0	J 3.0	< 5.4		0
Bromoform	< 5.0		< 5.4		0
1,1,2,2-Tetrachloroethane	< 5.0		< 5.4		0

SURROGATE RECOVERIES (%)

	QA	CONTRACTOR
1,2-Dichloroethane D4 (76-114)	103	99
Toluene D8 (88-110)	*112	*112
4-Bromofluorobenzene (86-115)	90	88

\* = SURROGATE RECOVERY OUTSIDE ACCEPTABLE RANGE

SEE APPENDIX B FOR KEY TO COMMENTS

## COMPARISON OF QA &amp; CONTRACTOR RESULTS

PROJECT: FORT STORY, VA - FIRE TRAINING AREA

QA SAMPLE NO.: 29832  
 QA FIELD ID: SS04-600A-01  
 QA ANALYSIS DATE: 02/14/95

CONTRACTOR'S SAMPLE NO.: 50631B-3  
 CONTRACTOR'S FIELD ID: SS04-600-01  
 CONTRACTOR'S ANALYSIS DATE: 02/10/95

MATERIAL DESCRIPTION: SOIL

DATE SAMPLED: 02/03/95

UNITS: ng/g

PARAMETER	QA LAB MDL	RESULTS		COMPARISON CODE
		QA LAB	CONTRACTOR MDL	
Dichlorodifluoromethane	< 7.3		NA	2
Chloromethane	< 2.0		< 11	0
Vinyl chloride	< 1.4		< 11	0
Bromomethane	< 2.6		< 11	0
Chloroethane	< 1.9		< 11	0
Trichlorofluoromethane	< 1.1		NA	2
1,1-Dichloroethene	< 1.6		< 5.3	0
Dichloromethane (MeCl2)	< 1.9		< 5.3	0
trans-1,2-Dichloroethene	< 1.7		< 5.3	0
1,1-Dichloroethane	< 1.4		< 5.3	0
2,2-Dichloropropane	< 5.0		NA	2
cis 1,2-Dichloroethene	< 1.6		< 5.3	0
Chloroform	< 1.6		< 5.3	0
Bromochloromethane	< 2.1		NA	2
1,1,1-Trichloroethane	< 2.3		< 5.3	0
1,1-Dichloropropene	< 1.6		NA	2
Carbon Tetrachloride	< 2.1		< 5.3	0
1,2-Dichloroethane	< 3.0		< 5.3	0
Benzene	< 2.1		< 5.3	0
Trichloroethene	< 2.1		< 5.3	0
1,2-Dichloropropane	< 1.7		< 5.3	0
Bromodichloromethane	< 1.9		< 5.3	0
Dibromomethane	< 2.9		NA	2
cis 1,3-Dichloro,1-propene	< 2.4		< 5.3	0
Toluene	< 1.8		< 5.3	0
trans 1,3-Dichloro,1-propene	< 3.5		< 5.3	0
1,1,2-Trichloroethane	< 3.6		< 5.3	0
1,2-Dibromoethane	< 3.6		NA	2
1,3-Dichloropropane	< 2.6		NA	2
Tetrachloroethene	< 1.5		< 5.3	0
Dibromochloromethane	< 2.2		< 5.3	0
Chlorobenzene	< 1.4		< 5.3	0
1,1,1,2-Trichloroethane	< 1.5		NA	2
Ethylbenzene	< 1.4		< 5.3	0
Total Xylene	< 1.9		< 5.3	0
Styrene	< 1.4		< 5.3	0
Bromoform	< 3.2		< 5.3	0
Isopropylbenzene	< 1.5		NA	2

PROJECT: FORT STORY, VA - FIRE TRAINING AREA

QA SAMPLE NO.: 29832

CONTRACTOR'S SAMPLE NO.: 50631B-3

PARAMETER	RESULTS		RESULTS		COMPARISON CODE
	QA LAB MDL	QA LAB	CONTRACTOR MDL	CONTRACTOR	
1,1,2,2-Tetrachloroethane	< 4.9		< 5.3		0
1,2,3-Trichloropropane	< 2.6			NA	2
n-Propylbenzene	< 1.4			NA	2
Bromobenzene	< 1.6			NA	2
1,3,5-Trimethylbenzene	< 1.5			NA	2
2-Chlorotoluene	< 1.6			NA	2
4-Chlorotoluene	< 1.2			NA	2
tert-Butylbenzene	< 1.6			NA	2
1,2,4-Trimethylbenzene	< 1.4			NA	2
sec-Butylbenzene	< 1.4			NA	2
p-Isopropyltoluene	< 1.4			NA	2
1,3-Dichlorobenzene	< 1.4			NA	2
1,4-Dichlorobenzene	< 1.5			NA	2
n-Butylbenzene	< 1.5			NA	2
1,2-Dichlorobenzene	< 1.6			NA	2
1,2-Dibromo-3-chloropropane	< 3.4			NA	2
1,2,4-Trichlorobenzene	< 1.8			NA	2
Hexachlorobutadiene	< 1.7			NA	2
Naphthalene	< 2.6			NA	2
1,2,3-Trichlorobenzene	< 2.3			NA	2

## SURROGATE RECOVERIES (%)

	QA	CONTRACTOR
Toluene D8 (88-110)	95	109
Dibromofluoromethane (80-120)	81	97
4-Bromofluorobenzene (86-115)	89	93

\* = SURROGATE RECOVERY OUTSIDE ACCEPTABLE RANGE

SEE APPENDIX B FOR KEY TO COMMENTS

## COMPARISON OF QA &amp; CONTRACTOR RESULTS

PROJECT: FORT STORY, VA - FIRE TRAINING AREA

QA SAMPLE NO.: 29844 CONTRACTOR'S SAMPLE NO.: 50731-3  
 QA FIELD ID: SB04-900A-24 CONTRACTOR'S FIELD ID: SB04-009-24  
 QA ANALYSIS DATE: 02/14/95 CONTRACTOR'S ANALYSIS DATE: 02/14/95

MATERIAL DESCRIPTION: SOIL

DATE SAMPLED: 02/07/95

UNITS: ng/g

PARAMETER	RESULTS		RESULTS		COMPARISON CODE
	QA LAB MDL	QA LAB	CONTRACTOR MDL	CONTRACTOR	
Dichlorodifluoromethane	< 8.9			NA	2
Chloromethane	< 2.5		< 10		0
Vinyl chloride	< 1.7		< 10		0
Bromomethane	< 3.2		< 10		0
Chloroethane	< 2.4		< 10		0
Trichlorofluoromethane	< 1.3			NA	2
1,1-Dichloroethene	< 2.0		< 5.3		0
Dichloromethane (MeCl <sub>2</sub> )	< 2.4	J 3.1	< 5.3		0
trans-1,2-Dichloroethene	< 2.1		< 5.3		0
1,1-Dichloroethane	< 1.7		< 5.3		0
2,2-Dichloropropane	< 6.2			NA	2
cis 1,2-Dichloroethene	< 1.9		< 5.3		0
Chloroform	< 1.9		< 5.3		0
Bromochloromethane	< 2.6			NA	2
1,1,1-Trichloroethane	< 2.9		< 5.3		0
1,1-Dichloropropene	< 1.9			NA	2
Carbon Tetrachloride	< 2.6		< 10		0
1,2-Dichloroethane	< 3.7		< 5.3		0
Benzene	< 2.6		< 5.3		0
Trichloroethene	< 2.6		< 5.3		0
1,2-Dichloropropane	< 2.1		< 5.3		0
Bromodichloromethane	< 2.4		< 5.3		0
Dibromomethane	< 3.6			NA	2
cis 1,3-Dichloro,1-propene	< 3.0		< 5.3		0
Toluene	< 2.3			7.1	3
trans 1,3-Dichloro,1-propene	< 4.3		< 5.3		0
1,1,2-Trichloroethane	< 4.4		< 5.3		0
1,2-Dibromoethane	< 4.4			NA	2
1,3-Dichloropropane	< 3.2			NA	2
Tetrachloroethene	< 1.8		< 5.3		0
Dibromochloromethane	< 2.7		< 5.3		0
Chlorobenzene	< 1.7		< 5.3		0
1,1,1,2-Trichloroethane	< 1.8			NA	2
Ethylbenzene	< 1.7		< 5.3		0
Total Xylene	< 2.4		< 5.3		0
Styrene	< 1.7	J 2.0	< 5.3		0
Bromoform	< 3.9		< 5.3		0
Isopropylbenzene	< 1.8			NA	2

PROJECT: FORT STORY, VA - FIRE TRAINING AREA

QA SAMPLE NO.: 29844

CONTRACTOR'S SAMPLE NO.: 50731-3

PARAMETER	RESULTS		RESULTS		COMPARISON CODE
	QA LAB MDL	QA LAB	CONTRACTOR MDL	CONTRACTOR	
1,1,2,2-Tetrachloroethane	< 6.0		< 5.3		0
1,2,3-Trichloropropane	< 3.2			NA	2
n-Propylbenzene	< 1.7			NA	2
Bromobenzene	< 1.9			NA	2
1,3,5-Trimethylbenzene	< 1.8			NA	2
2-Chlorotoluene	< 2.0			NA	2
4-Chlorotoluene	< 1.4			NA	2
tert-Butylbenzene	< 1.9			NA	2
1,2,4-Trimethylbenzene	< 1.7			NA	2
sec-Butylbenzene	< 1.7			NA	2
p-Isopropyltoluene	< 1.7			NA	2
1,3-Dichlorobenzene	< 1.7			NA	2
1,4-Dichlorobenzene	< 1.8			NA	2
n-Butylbenzene	< 1.8			NA	2
1,2-Dichlorobenzene	< 1.9			NA	2
1,2-Dibromo-3-chloropropane	< 4.2			NA	2
1,2,4-Trichlorobenzene	< 2.3			NA	2
Hexachlorobutadiene	< 2.1			NA	2
Naphthalene	< 3.2			NA	2
1,2,3-Trichlorobenzene	< 2.9			NA	2

## SURROGATE RECOVERIES (%)

	QA	CONTRACTOR
Toluene D8 (88-110)	87	*119
Dibromofluoromethane (80-120)	86	104
4-Bromofluorobenzene (86-115)	*59	101

\* = SURROGATE RECOVERY OUTSIDE ACCEPTABLE RANGE

SEE APPENDIX B FOR KEY TO COMMENTS

## COMPARISON OF QA &amp; CONTRACTOR RESULTS

PROJECT: FORT STORY, VA - FIRE TRAINING AREA

QA SAMPLE NO.: 29845  
 QA FIELD ID: SB04-900A-68  
 QA ANALYSIS DATE: 02/22/95

CONTRACTOR'S SAMPLE NO.: 50731-4  
 CONTRACTOR'S FIELD ID: SB04-009-68  
 CONTRACTOR'S ANALYSIS DATE: 02/15/95

MATERIAL DESCRIPTION: SOIL

DATE SAMPLED: 02/07/95

UNITS: ng/g

PARAMETER	RESULTS		RESULTS		COMPARISON CODE
	QA LAB MDL	QA LAB	CONTRACTOR MDL	CONTRACTOR	
Dichlorodifluoromethane	< 12			NA	2
Chloromethane	< 3.4		< 11		0
Vinyl chloride	< 2.2		< 11		0
Bromomethane	< 4.3		< 11		0
Chloroethane	< 3.2		< 11		0
Trichlorofluoromethane	< 1.8			NA	2
1,1-Dichloroethene	< 2.7		< 5.4		0
Dichloromethane (MeCl <sub>2</sub> )	< 3.2	J 5.6	< 5.4		3
trans-1,2-Dichloroethene	< 2.9		< 5.4		0
1,1-Dichloroethane	< 2.2		< 5.4		0
2,2-Dichloropropane	< 8.3			NA	2
cis 1,2-Dichloroethene	< 2.6		< 5.4		0
Chloroform	< 2.6		< 5.4		0
Bromochloromethane	< 3.5			NA	2
1,1,1-Trichloroethane	< 3.8		< 5.4		0
1,1-Dichloropropene	< 2.6			NA	2
Carbon Tetrachloride	< 3.5		< 5.4		0
1,2-Dichloroethane	< 5.0		< 5.4		0
Benzene	< 3.5		< 5.4		0
Trichloroethene	< 3.5		< 5.4		0
1,2-Dichloropropane	< 2.9		< 5.4		0
Bromodichloromethane	< 3.2		< 5.4		0
Dibromomethane	< 4.8			NA	2
cis 1,3-Dichloro,1-propene	< 4.0		< 5.4		0
Toluene	< 3.0		< 5.4		0
trans 1,3-Dichloro,1-propene	< 5.8		< 5.4		0
1,1,2-Trichloroethane	< 5.9		< 5.4		0
1,2-Dibromoethane	< 5.9			NA	2
1,3-Dichloropropane	< 4.3			NA	2
Tetrachloroethene	< 2.4		< 5.4		0
Dibromochloromethane	< 3.7		< 5.4		0
Chlorobenzene	< 2.2		< 5.4		0
1,1,1,2-Trichloroethane	< 2.4			NA	2
Ethylbenzene	< 2.2		< 5.4		0
Total Xylene	< 3.2		< 5.4		0
Styrene	< 2.2		< 5.4		0
Bromoform	< 5.3		< 5.4		0
Isopropylbenzene	< 2.4			NA	2

PROJECT: FORT STORY, VA - FIRE TRAINING AREA

QA SAMPLE NO.: 29845

CONTRACTOR'S SAMPLE NO.: 50731-4

PARAMETER	RESULTS		RESULTS		COMPARISON CODE
	QA LAB MDL	QA LAB	CONTRACTOR MDL	CONTRACTOR	
1,1,2,2-Tetrachloroethane	< 8.0		< 5.4		0
1,2,3-Trichloropropane	< 4.3			NA	2
n-Propylbenzene	< 2.2			NA	2
Bromobenzene	< 2.6			NA	2
1,3,5-Trimethylbenzene	< 2.4			NA	2
2-Chlorotoluene	< 2.7			NA	2
4-Chlorotoluene	< 1.9			NA	2
tert-Butylbenzene	< 2.6			NA	2
1,2,4-Trimethylbenzene	< 2.2			NA	2
sec-Butylbenzene	< 2.2			NA	2
p-Isopropyltoluene	< 2.2			NA	2
1,3-Dichlorobenzene	< 2.2			NA	2
1,4-Dichlorobenzene	< 2.4			NA	2
n-Butylbenzene	< 2.4			NA	2
1,2-Dichlorobenzene	< 2.6			NA	2
1,2-Dibromo-3-chloropropane	< 5.6			NA	2
1,2,4-Trichlorobenzene	< 3.0			NA	2
Hexachlorobutadiene	< 2.9			NA	2
Naphthalene	< 4.3	45		NA	2
1,2,3-Trichlorobenzene	< 3.8			NA	2

SURROGATE RECOVERIES (%)

	QA	CONTRACTOR
Toluene D8 (81-117)	81	105
Dibromofluoromethane (80-120)	*77	103
4-Bromofluorobenzene (74-121)	*73	115

\* = SURROGATE RECOVERY OUTSIDE ACCEPTABLE RANGE

SEE APPENDIX B FOR KEY TO COMMENTS

COMPARISON OF QA & CONTRACTOR RESULTS

PROJECT: FORT STORY, VA - FIRE TRAINING AREA

QA SAMPLE NO.: 30004  
 QA FIELD ID: GW04-210A  
 QA ANALYSIS DATE: 02/24/95

CONTRACTOR'S SAMPLE NO.: 50692-4  
 CONTRACTOR'S FIELD ID: GW04-012  
 CONTRACTOR'S ANALYSIS DATE: 02/27/95

MATERIAL DESCRIPTION: WATER

DATE SAMPLED: 02/21/95

UNITS: ug/L

PARAMETER	RESULTS		RESULTS		COMPARISON CODE
	QA LAB MDL	QA LAB	CONTRACTOR MDL	CONTRACTOR	
Dichlorodifluoromethane	< 7.5			NA	2
Chloromethane	< 2.1		< 10		0
Vinyl chloride	< 1.4		< 10		0
Bromomethane	< 2.7		< 10		0
Chloroethane	< 2.0		< 10		0
Trichlorofluoromethane	< 1.1			NA	2
1,1-Dichloroethene	< 1.7		< 5.0		0
Dichloromethane (MeCl2)	< 2.0		< 5.0		3
trans-1,2-Dichloroethene	< 1.8		< 5.0		0
1,1-Dichloroethane	< 1.4		< 5.0		0
2,2-Dichloropropane	< 5.2			NA	2
cis 1,2-Dichloroethene	< 1.6		< 5.0		0
Chloroform	< 1.6		< 5.0		0
Bromochloromethane	< 2.2			NA	2
1,1,1-Trichloroethane	< 2.4		< 5.0		0
1,1-Dichloropropene	< 1.6			NA	2
Carbon Tetrachloride	< 2.2		< 5.0		0
1,2-Dichloroethane	< 3.1		< 5.0		0
Benzene	< 2.2	10	< 5.0		3
Trichloroethene	< 2.2		< 5.0		0
1,2-Dichloropropane	< 1.8		< 5.0		0
Bromodichloromethane	< 2.0		< 5.0		0
Dibromomethane	< 3.0			NA	2
cis 1,3-Dichloro,1-propene	< 2.5		< 5.0		0
Toluene	< 1.9	20	< 5.0		3
trans 1,3-Dichloro,1-propene	< 3.6		< 5.0		0
1,1,2-Trichloroethane	< 3.7		< 5.0		0
1,2-Dibromoethane	< 3.7			NA	2
1,3-Dichloropropane	< 2.7			NA	2
Tetrachloroethene	< 1.5		< 5.0		0
Dibromochloromethane	< 2.3		< 5.0		0
Chlorobenzene	< 1.4		< 5.0		0
1,1,1,2-Trichloroethane	< 1.5			NA	2
Ethylbenzene	< 1.4		< 5.0		0
Total Xylene	< 2.0		< 5.0		0
Styrene	< 1.4		< 5.0		0
Bromoform	< 3.3		< 5.0		0
Isopropylbenzene	< 1.5			NA	2

PROJECT: FORT STORY, VA - FIRE TRAINING AREA

QA SAMPLE NO.: 30004

CONTRACTOR'S SAMPLE NO.: 50692-4

PARAMETER	RESULTS		RESULTS		COMPARISON CODE
	QA LAB MDL	QA LAB	CONTRACTOR MDL	CONTRACTOR	
1,1,2,2-Tetrachloroethane	< 5.0		< 5.0		0
1,2,3-Trichloropropane	< 2.7			NA	2
n-Propylbenzene	< 1.4			NA	2
Bromobenzene	< 1.6			NA	2
1,3,5-Trimethylbenzene	< 1.5			NA	2
2-Chlorotoluene	< 1.7			NA	2
4-Chlorotoluene	< 1.2			NA	2
tert-Butylbenzene	< 1.6			NA	2
1,2,4-Trimethylbenzene	< 1.4			NA	2
sec-Butylbenzene	< 1.4			NA	2
p-Isopropyltoluene	< 1.4			NA	2
1,3-Dichlorobenzene	< 1.4			NA	2
1,4-Dichlorobenzene	< 1.5			NA	2
n-Butylbenzene	< 1.5			NA	2
1,2-Dichlorobenzene	< 1.6			NA	2
1,2-Dibromo-3-chloropropane	< 3.5			NA	2
1,2,4-Trichlorobenzene	< 1.9			NA	2
Hexachlorobutadiene	< 1.8			NA	2
Naphthalene	< 2.7			NA	2
1,2,3-Trichlorobenzene	< 2.4			NA	2

## SURROGATE RECOVERIES (%)

	QA	CONTRACTOR
Toluene D8 (88-110)	104	*112
Dibromofluoromethane (80-118)	101	103
4-Bromofluorobenzene (86-115)	98	*116

\* = SURROGATE RECOVERY OUTSIDE ACCEPTABLE RANGE

SEE APPENDIX B FOR KEY TO COMMENTS

PROJECT: FORT STORY, VA - FIRE TRAINING AREA

QA SAMPLE NO.: 29806

CONTRACTOR'S SAMPLE NO.: 50631-6

QA FIELD ID: SS04-610A-01

CONTRACTOR'S FIELD ID: SS04-016-01

QA ANALYSIS DATE: 03/09/95

CONTRACTOR'S ANALYSIS DATE: 02/15/95

MATERIAL DESCRIPTION: SOIL

DATE SAMPLED: 02/02/95

UNITS: ug/kg

PARAMETER	RESULTS		RESULTS		COMPARISON CODE
	QA LAB MDL	QA LAB	CONTRACTOR MDL	CONTRACTOR	
Phenol	< 720		< 360		0
Bis (2-chloroethyl) ether	< 720		< 360		0
2-Chlorophenol	< 720		< 360		0
1,3-Dichlorobenzene	< 720		< 360		0
1,4-Dichlorobenzene	< 720		< 360		0
1,2-Dichlorobenzene	< 720		< 360		0
2-Methylphenol	< 720		< 360		0
Bis (2-chloroisopropyl) ether	< 720		< 360		0
4-Methylphenol	< 720		< 360		0
N-Nitroso-di-n-propylamine	< 720		< 360		0
Hexachloroethane	< 720		< 360		0
Nitrobenzene	< 720		< 360		0
Isophorone	< 720		< 360		0
2-Nitrophenol	< 720		< 360		0
2,4-Dimethylphenol	< 720		< 360		0
Bis (2-chloroethoxy) methane	< 720		< 360		0
2,4-Dichlorophenol	< 1800		< 360		0
1,2,4-Trichlorobenzene	< 720		< 360		0
Naphthalene	< 720		< 360		0
4-Chloroaniline	< 720		< 720		0
Hexachlorobutadiene	< 720		< 360		0
4-Chloro-3-methylphenol	< 720		< 360		0
2-Methylnaphthalene	< 720		< 360		0
Hexachlorocyclopentadiene	< 720		< 360		0
2,4,6-Trichlorophenol	< 720		< 360		0
2,4,5-Trichlorophenol	< 1800		< 360		0
2-Chloronaphthalene	< 720		< 360		0
2-Nitroaniline	< 1800		< 1800		0
Dimethylphthalate	< 720		< 360		0
Acenaphthylene	< 720		< 360		0
3-Nitroaniline	< 1800		< 1800		0
Acenaphthene	< 720		< 360		0
2,4-Dinitrophenol	< 1800		< 1800		0
4-Nitrophenol	< 1800		< 1800		0
Dibenzofuran	< 720		< 360		0
2,6-Dinitrotoluene	< 720		< 360		0

PROJECT: FORT STORY, VA - FIRE TRAINING AREA

QA SAMPLE NO.: 29806

CONTRACTOR'S SAMPLE NO.: 50631-6

PARAMETER	RESULTS		RESULTS		COMPARISON CODE
	QA LAB MDL	QA LAB	CONTRACTOR MDL	CONTRACTOR	
2,4-Dinitrotoluene	< 720		< 360		0
Diethylphthalate	< 720		< 360		0
4-Chlorophenyl-phenylether	< 720		< 360		0
Fluorene	< 720		< 360		0
4-Nitroaniline	< 1800		< 1800		0
4,6-Dinitro-2-methylphenol	< 1800		< 1800		0
N-Nitrosodiphenylamine	< 720		< 360		0
4-Bromophenyl-phenylether	< 720		< 360		0
Hexachlorobenzene	< 720		< 360		0
Pentachlorophenol	< 1800		< 1800		0
Phenanthrene	< 720		< 360		0
Anthracene	< 720		< 360		0
Di-n-butylphthalate	< 720	B, J 150	< 360		1
Fluoranthene	< 720	J 75	< 360		0
Pyrene	< 720	J 64	< 360		0
Butylbenzylphthalate	< 720		< 360		0
3,3-Dichlorobenzidine	< 720		< 720		0
Benzo(a)anthracene	< 720		< 360		0
Bis(2ethylhexyl)phthalate	< 720	J 110	< 360		0
Chrysene	< 720	J 94	< 360		0
Di-n-octyl phthalate	< 720		< 360		0
Benzo(b)fluoranthene	< 720	J 97	< 360		0
Benzo(k)fluoranthene	< 720	J 86	< 360		0
Benzo(a)pyrene	< 720		< 360		0
Indeno(1,2,3-cd)pyrene	< 720		< 360		0
Dibenz(a,h)anthracene	< 720		< 360		0
Benzo(g,h,i)perylene	< 720		< 360		0
Carbazole	< 720			NA	2

## SURROGATE RECOVERIES (%)

	QA	CONTRACTOR
2-Fluorophenol	56	60
Phenol-d6	73	69
Nitrobenzene-d5	69	60
2-Fluorobiphenyl	86	68
2,4,6-Tribromophenol	102	75
Terphenyl-d14	105	130
1,2-Dichlorobenzene-d4	71	NR
2-Chlorophenol-d4	74	NR

\* = SURROGATE RECOVERY OUTSIDE ACCEPTABLE RANGE

SEE APPENDIX B FOR KEY TO COMMENTS

## COMPARISON OF QA &amp; CONTRACTOR RESULTS

PAGE 1 OF 2

PROJECT: FORT STORY, VA - FIRE TRAINING AREA

QA SAMPLE NO.: 29832  
 QA FIELD ID: SS04-600A-01  
 QA ANALYSIS DATE: 03/11/95

CONTRACTOR'S SAMPLE NO.: 50631B-B  
 CONTRACTOR'S FIELD ID: SS04-600-01  
 CONTRACTOR'S ANALYSIS DATE: 02/16/95

MATERIAL DESCRIPTION: SOIL  
 DATE SAMPLED: 02/03/95  
 UNITS: ug/kg

PARAMETER	RESULTS		RESULTS		COMPARISON CODE
	QA LAB MDL	QA LAB	CONTRACTOR MDL	CONTRACTOR	
Phenol	< 370		< 350		0
Bis(2-chloroethyl)ether	< 370		< 350		0
2-Chlorophenol	< 370		< 350		0
1,3-Dichlorobenzene	< 370		< 350		0
1,4-Dichlorobenzene	< 370		< 350		0
1,2-Dichlorobenzene	< 370		< 350		0
2-Methylphenol	< 370		< 350		0
Bis(2-chloroisopropyl)ether	< 370		< 350		0
4-Methylphenol	< 370		< 350		0
N-Nitroso-di-n-propylamine	< 370		< 350		0
Hexachloroethane	< 370		< 350		0
Nitrobenzene	< 370		< 350		0
Isophorone	< 370		< 350		0
2-Nitrophenol	< 370		< 350		0
2,4-Dimethylphenol	< 370		< 350		0
Bis(2-chloroethoxy)methane	< 370		< 350		0
2,4-Dichlorophenol	< 920		< 350		0
1,2,4-Trichlorobenzene	< 370		< 350		0
Naphthalene	< 370		< 350		0
4-Chloroaniline	< 370		< 700		0
Hexachlorobutadiene	< 370		< 350		0
4-Chloro-3-methylphenol	< 370		< 350		0
2-Methylnaphthalene	< 370		< 350		0
Hexachlorocyclopentadiene	< 370		< 350		0
2,4,6-Trichlorophenol	< 370		< 350		0
2,4,5-Trichlorophenol	< 920		< 350		0
2-Chloronaphthalene	< 370		< 350		0
2-Nitroaniline	< 920		< 1800		0
Dimethylphthalate	< 370		< 350		0
Acenaphthylene	< 370		< 350		0
3-Nitroaniline	< 920		< 1800		0
Acenaphthene	< 370		< 350		0
2,4-Dinitrophenol	< 920		< 1800		0
4-Nitrophenol	< 920		< 1800		0
Dibenzofuran	< 370		< 350		0
2,6-Dinitrotoluene	< 370		< 350		0

PROJECT: FORT STORY, VA - FIRE TRAINING AREA

QA SAMPLE NO.: 29832

CONTRACTOR'S SAMPLE NO.: 50631B-B

PARAMETER	RESULTS		RESULTS		COMPARISON CODE
	QA LAB MDL	QA LAB	CONTRACTOR MDL	CONTRACTOR	
2,4-Dinitrotoluene	< 370		< 350		0
Diethylphthalate	< 370		< 350		0
4-Chlorophenyl-phenylether	< 370		< 350		0
Fluorene	< 370		< 350		0
4-Nitroaniline	< 920		< 1800		0
4,6-Dinitro-2-methylphenol	< 920		< 1800		0
N-Nitrosodiphenylamine	< 370		< 350		0
4-Bromophenyl-phenylether	< 370		< 350		0
Hexachlorobenzene	< 370		< 350		0
Pentachlorophenol	< 920		< 350		0
Phenanthrene	< 370		< 1800		0
Anthracene	< 370		< 350		0
Di-n-butylphthalate	< 370		< 350		0
Fluoranthene	< 370		< 350		0
Pyrene	< 370		< 350		0
Butylbenzylphthalate	< 370		< 350		0
3,3-Dichlorobenzidine	< 370		< 700		0
Benzo(a)anthracene	< 370		< 350		0
Bis(2ethylhexyl)phthalate	< 370		< 350		0
Chrysene	< 370		< 350		0
Di-n-octyl phthalate	< 370		< 350		0
Benzo(b)fluoranthene	< 370		< 350		0
Benzo(k)fluoranthene	< 370		< 350		0
Benzo(a)pyrene	< 370		< 350		0
Indeno(1,2,3-cd)pyrene	< 370		< 350		0
Dibenz(a,h)anthracene	< 370		< 350		0
Benzo(g,h,i)perylene	< 370		< 350		0
Carbazole	< 370			NA	2

## SURROGATE RECOVERIES (%)

	QA	CONTRACTOR
2-Fluorophenol	46	72
Phenol-d6	50	85
Nitrobenzene-d5	64	73
2-Fluorobiphenyl	64	82
2,4,6-Tribromophenol	63	98
Terphenyl-d14	60	104
1,2-Dichlorobenzene-d4	59	NR
2-Chlorophenol-d4	51	NR

\* = SURROGATE RECOVERY OUTSIDE ACCEPTABLE RANGE

SEE APPENDIX B FOR KEY TO COMMENTS

COOLER RECEIPT FORM	
Client: <u>Malcolm Pirnie</u>	Project: <u>Ft Story LARC</u>
SL Log #: <u>SS-51163</u>	Date Received: <u>3-3-95</u>
SL Cooler Receipt Custodian (Signature): <u>Jana Baker</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3	Were custody seals unbroken and intact at the date and time of arrival? <u>NA</u>	<input type="checkbox"/>	<input type="checkbox"/>
4	Were custody papers completed properly (ink, signed, etc.)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5	Chain of custody associated with cooler receipt form.	<u>00361</u>	
6	Was <u>wet</u> ice/blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>5.0°C</u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <u>Bubble pack</u>		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11	Did all bottle labels agree with custody papers?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
12	Were bubbles present in VOA samples?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
13	Was the project manager notified of any custody discrepancies or excursions?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
15	Who was contacted?  By whom:  Date:		

COOLER RECEIPT FORM	
Client: <u>Malcolm Pirnie</u>	Project: <u>Ft Story LARC</u>
SL Log #: <u>55-51163</u>	Date Received: <u>3-3-95</u>
SL Cooler Receipt Custodian (Signature): <u>Jamora Baker</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival? <span style="float: right;"><u>NA</u></span>		
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.		<u>00360</u>
6	Was <u>wet</u> ice/blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>3.8°C</u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <u>Bubble pack</u>		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples? <u>Trip Blank</u>	✓	
13	Was the project manager notified of any custody discrepancies or excursions?		✓
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.		✓
15	Who was contacted?  By whom:  Date:		

COOLER RECEIPT FORM	
Client: <u>Malcolm Pirnie</u>	Project: <u>F. Story. LARC</u>
SL Log #: <u>51197</u>	Date Received: <u>3-4-95</u>
SL Cooler Receipt Custodian (Signature): <u>Lona M. Bonds</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival? <span style="float: right;"><u>N/A</u></span>		
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.	<u>00362</u>	
6	Was <u>wet ice</u> / blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <span style="float: right;"><u>2.0</u></span>		
8	Describe type of packing in cooler (vermiculite, <u>bubble</u> pack, etc.)		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?		✓
12	Were bubbles present in VOA samples?		✓
13	Was the project manager notified of any custody discrepancies or excursions?	✓	
14	Was a custody excursion form completed and a copy provided to the <del>project manager</del> <u>client</u> ? If so, complete No. 15.	✓	
15	Who was contacted? <u>Tony Pace</u> By whom: <u>Beth Kessler</u> Date: <u>3-6-95</u> <span style="float: right;">Tony- Please see attached C.O.C # 00362. Beth</span>		

**COOLER RECEIPT FORM**

Client: <u>Malcolm Pirnie</u>	Project: <u>Ft. Story - LARC</u>
SL Log #: <u>51206</u>	Date Received: <u>3-7-95</u>
SL Cooler Receipt Custodian (Signature): <u>Lana M. Bonds</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival?		N/A
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.		00363
6	Was <u>wet ice</u> / blue ice used? (Circle which media)		
7	Cooler temperature upon receipt:		11.6°C
8	Describe type of packing in cooler (vermiculite, <u>bubble</u> pack, etc.).		
9	Were sampling containers supplied by <u>(SL)</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples?		N/A
13	Was the project manager notified of any custody discrepancies or excursions?		✓
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.		✓
15	Who was contacted?  By whom:  Date:		

COOLER RECEIPT FORM	
Client: <u>Malcolm Pirnie</u>	Project: <u>Ft. Story - LARC</u>
SL Log #: <u>51206</u>	Date Received: <u>3-7-95</u>
SL Cooler Receipt Custodian (Signature): <u>Rona M. Bonds</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival? <span style="float: right;">N/A</span>		
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.		00346
6	Was <u>wet ice</u> /blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <span style="float: right;">4.7°C</span>		
8	Describe type of packing in cooler ( <u>vermiculite</u> <u>bubble</u> pack, etc.).		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples?		✓
13	Was the project manager notified of any custody discrepancies or excursions?		✓
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.		✓
15	Who was contacted?  By whom:  Date:		

## COOLER RECEIPT FORM

Client: Malcolm Pirnie	Project: Ft. Story - LARC
SL Log #: 51256	Date Received: 3-8-95
SL Cooler Receipt Custodian (Signature): <i>Lona M. Bonds</i>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? IF YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival?		
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.		00347
6	Was <u>wet ice</u> / blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: 1.1 °C		
8	Describe type of packing in cooler (vermiculite, <u>bubble</u> pack, etc.).		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples?	✗	✓
13	Was the project manager notified of any custody discrepancies or excursions?		✓
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.		✓
15	Who was contacted? By whom: Date:		

COOLER RECEIPT FORM	
Client: <u>Malcolm Pirnie</u>	Project: <u>Ft. Story - LARC</u>
SI. Log #: <u>51256</u>	Date Received: <u>3-8-95</u>
SL Cooler Receipt Custodian (Signature): <u>Rhona M. Bonds</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival? <span style="float: right;">N/A</span>		
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.	06196	
6	Was <u>wet ice</u> / blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <span style="float: right;">1.5 °C</span>		
8	Describe type of packing in cooler (vermiculite, <u>bubble</u> pack, etc.).		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples?		✓
13	Was the project manager notified of any custody discrepancies or excursions?		✓
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.		✓
15	Who was contacted?  By whom:  Date:		

## COOLER RECEIPT FORM

Client: <u>Malcolm Pirnie</u>	Project: <u>Ft. Story - LARC</u>
SL Log #: <u>51256</u>	Date Received: <u>3-8-95</u>
SL Cooler Receipt Custodian (Signature): <u>Elma M. Bonds</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival?		
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.		00365
6	Was <u>wet ice</u> /blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>1.0°C</u>		
8	Describe type of packing in cooler (vermiculite, <u>bubble</u> pack, etc.).		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples?		✓
13	Was the project manager notified of any custody discrepancies or excursions?		✓
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.		✓
15	Who was contacted?  By whom:  Date:		

COOLER RECEIPT FORM	
Client: <u>Malcolm Pirnie</u>	Project: <u>Ft. Story - LARC</u>
SL Log #: <u>55-51367</u>	Date Received: <u>3-14-95</u>
SL Cooler Receipt Custodian (Signature): <u>Rona M. Bonds</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival?	N/A	✓
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.	00354	
6	Was <u>wet ice</u> blue ice used? (Circle which media)		
7	Cooler temperature upon receipt:	7.4°C	
8	Describe type of packing in cooler (vermiculite, <u>bubble</u> pack, etc.).		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	✓
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples?	N/A	✓
13	Was the project manager notified of any custody discrepancies or excursions?		✓
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.		✓
15	Who was contacted?  By whom:  Date:		

COOLER RECEIPT FORM	
Client: <u>Malcolm Pirnie</u>	Project: <u>Ft. Story - LARC</u>
SL Log #: <u>55-51367</u>	Date Received: <u>3-14-95</u>
SL Cooler Receipt Custodian (Signature): <u>Wanda M. Bonds</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival?	N/A	✓
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.	00353	
6	Was <u>wet ice</u> / blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>7.7°C</u>		
8	Describe type of packing in cooler (vermiculite, <u>bubble</u> pack, etc.).		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples? <u>Trip blank</u>	✓	
13	Was the project manager notified of any custody discrepancies or excursions?	✓	
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.	✓	
15	Who was contacted?  By whom:  Date:		

COOLER RECEIPT FORM	
Client: <u>Malcolm Pirnie</u>	Project: <u>Ft Story FTA</u>
SL Log #: <u>55-50874</u>	Date Received: <u>2-17-95</u>
SL Cooler Receipt Custodian (Signature): <u>Jamara Baker</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival? <u>NA</u>		
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.		<u>06119</u>
6	Was <u>wet</u> ice/blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>1.8°C</u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <u>Bubble pack</u>		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples? <u>Trip Blank</u>	✓	
13	Was the project manager notified of any custody discrepancies or excursions?	✓	
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.		✓
15	Who was contacted?  By whom:  Date:		

COOLER RECEIPT FORM	
Client: <u>Malcolm Pirnie</u>	Project: <u>Ft. Story FTA</u>
SL Log #: <u>SS-50938</u>	Date Received: <u>2-21-95</u>
SL Cooler Receipt Custodian (Signature): <u>Janae Baker</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival? <span style="float: right;">NA</span>		
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.		00350
6	Was <u>wet</u> ice/blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>0.0°C</u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <u>Bubble pack</u>		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?		✓
12	Were bubbles present in VOA samples? <u>Trip Blank</u>	✓	
13	Was the project manager notified of any custody discrepancies or excursions?	✓	
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.	✓	
15	Who was contacted? <u>Beth Kessler faxed to Jony Pacl</u> By whom: <u>Note: Jines on 6704-010 reads</u> Date: <u>2-21-95 3:55 PM</u> <u>1330 not 1345.</u>		

**COOLER RECEIPT FORM**

Client: <u>Malcolm Pirnie</u>	Project: <u>Ft Story FTA</u>
SL Log #: <u>SS-509102</u>	Date Received: <u>2-22-95</u>
SL Cooler Receipt Custodian (Signature): <u>Jamoa Baker</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival? <u>NA</u>		
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.		00334
6	Was <u>wet</u> ice/blue ice used? (Circle which media) <u>3.8°C</u>		
7	Cooler temperature upon receipt: <u>3.8°C</u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <u>Bubble Pack</u>		
9	Were sampling containers supplied by <u>(SL)</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples?		✓
13	Was the project manager notified of any custody discrepancies or excursions?		✓
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.		✓
15	Who was contacted?  By whom:  Date:		

COOLER RECEIPT FORM	
Client: <u>Malcolm Pirnie</u>	Project: <u>Ft Story - FTA</u>
SL Log #: <u>55-50962</u>	Date Received: <u>2-22-95</u>
SL Cooler Receipt Custodian (Signature): <u>Landra Baker</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3	Were custody seals unbroken and intact at the date and time of arrival? <span style="float: right;"><u>NA</u></span>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4	Were custody papers completed properly (ink, signed, etc.)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5	Chain of custody associated with cooler receipt form.	<u>00338</u>	
6	Was <u>wet</u> ice/blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>1.2 °C</u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <span style="float: right;"><u>Bubble pack</u></span>		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11	Did all bottle labels agree with custody papers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12	Were bubbles present in VOA samples?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
13	Was the project manager notified of any custody discrepancies or excursions?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
15	Who was contacted?  By whom:  Date:		

COOLER RECEIPT FORM	
Client: <u>Malcolm Pirnie</u>	Project: <u>Ft Story - FTA</u>
SL Log #: <u>SS-50962</u>	Date Received: <u>2-22-95</u>
SL Cooler Receipt Custodian (Signature): <u>Lamar Belser</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	<input checked="" type="checkbox"/>	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		<input checked="" type="checkbox"/>
3	Were custody seals unbroken and intact at the date and time of arrival? <span style="float: right;"><u>NA</u></span>		
4	Were custody papers completed properly (ink, signed, etc.)?	<input checked="" type="checkbox"/>	
5	Chain of custody associated with cooler receipt form.	<u>00337</u>	
6	Was <u>wet</u> ice/blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>3.8°C</u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <u>Bubble pack</u>		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	<input checked="" type="checkbox"/>	
11	Did all bottle labels agree with custody papers?	<input checked="" type="checkbox"/>	
12	Were bubbles present in VOA samples?		<input checked="" type="checkbox"/>
13	Was the project manager notified of any custody discrepancies or excursions?		<input checked="" type="checkbox"/>
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.		<input checked="" type="checkbox"/>
15	Who was contacted?  By whom:  Date:		

COOLER RECEIPT FORM	
Client: <u>Malcolm Pirnie</u>	Project: <u>Ft. Story - FTA</u>
SL Log #: <u>51028</u>	Date Received: <u>2-24-95</u>
SL Cooler Receipt Custodian (Signature): <u>[Signature]</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival? <span style="float: right;">N/A</span>		
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.	00352	
6	Was <u>wet ice</u> /blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>4.1°C</u>		
8	Describe type of packing in cooler (vermiculite, <u>bubble</u> pack, etc.).		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples? <span style="float: right;">N/A</span>		✓
13	Was the project manager notified of any custody discrepancies or excursions?		✓
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.		✓
15	Who was contacted?  By whom:  Date:		

**COOLER RECEIPT FORM**

Client: <u>Malcolm Pirnie</u>	Project: <u>Ft. Story - ETA</u>
SL Log #: <u>51028</u>	Date Received: <u>2-24-95</u>
SL Cooler Receipt Custodian (Signature): <u>L. Bonds</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival? <u>N/A</u>		
4	Were custody papers completed properly (ink, signed, etc.)?		✓
5	Chain of custody associated with cooler receipt form.	00339	
6	Was <u>wet ice</u> /blue ice used? (Circle which media) <u>blue</u>		
7	Cooler temperature upon receipt: <u>0.0°C</u>		
8	Describe type of packing in cooler (vermiculite, <u>bubble</u> pack, etc.).		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?		✓
12	Were bubbles present in VOA samples?		✓
13	Was the project manager notified of any custody discrepancies or excursions?	✓	
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.	✓	
15	Who was contacted?  By whom:  Date:		

COOLER RECEIPT FORM	
Client: <u>Malcolm Pirnie</u>	Project: <u>Ft. Story - FTA</u>
SL Log #: <u>51028</u>	Date Received: <u>2-24-95</u>
SL Cooler Receipt Custodian (Signature): <u>[Signature]</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided): <u>Adj</u>		✓
3	Were custody seals unbroken and intact at the date and time of arrival? <u>N/A</u>		
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.		00351
6	Was <u>wet ice</u> / blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>5.7°C</u>		
8	Describe type of packing in cooler (vermiculite, <u>bubble</u> pack, etc.).		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples?		
13	Was the project manager notified of any custody discrepancies or excursions?		✓
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.		✓
15	Who was contacted?  By whom:  Date:		

COOLER RECEIPT FORM	
Client: <u>Malcolm Pirnie</u>	Project: <u>Ft. Story - FTA</u>
SL Log #: <u>51028</u>	Date Received: <u>2-24-95</u>
SL Cooler Receipt Custodian (Signature): <u>L. Bonds</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival? <span style="float: right;"><u>N/A</u></span>		
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.	<u>200357</u>	
6	Was <u>wet ice</u> / blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>2.5°C</u>		
8	Describe type of packing in cooler (vermiculite, <u>bubble</u> pack, etc.).		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?		✓
11	Did all bottle labels agree with custody papers?	✓	✓
12	Were bubbles present in VOA samples?		✓
13	Was the project manager notified of any custody discrepancies or excursions?	✓	
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.	✓	
15	Who was contacted?  By whom:  Date:		



COOLER RECEIPT FORM	
Client: <u>Malcolm Pirnie</u>	Project: <u>Ft. Story - ETA</u>
SL Log #: <u>51028</u>	Date Received: <u>2-24-95</u>
SL Cooler Receipt Custodian (Signature): <u>L. Bonds</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival? <span style="float: right;"><u>N/A</u></span>		
4	Were custody papers completed properly (ink, signed, etc.)?		✓
5	Chain of custody associated with cooler receipt form.	<u>00339</u>	
6	Was <u>wet</u> ice/blue ice used? (Circle which media) <span style="float: right;"><u>Wet</u></span>		
7	Cooler temperature upon receipt: <u>0.0°C</u>		
8	Describe type of packing in cooler (vermiculite, <u>bubble</u> pack, etc.).		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?		✓
12	Were bubbles present in VOA samples?		✓
13	Was the project manager notified of any custody discrepancies or excursions?	✓	
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.	✓	
15	Who was contacted?  By whom:  Date:		

COOLER RECEIPT FORM	
Client: <u>Malcolm Pirnie</u>	Project: <u>Ft. Story Aircraft</u>
SL Log #: <u>55-51079</u>	Date Received: <u>2-28-95</u>
SL Cooler Receipt Custodian (Signature): <u>[Signature]</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival? <span style="float: right;"><u>NA</u></span>		
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.		<u>00344</u>
6	Was <input checked="" type="radio"/> wet ice/blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>3.6°C</u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <u>bubble pack</u>		
9	Were sampling containers supplied by <input checked="" type="radio"/> SL or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples? <u>Trip Blank</u>	✓	
13	Was the project manager notified of any custody discrepancies or excursions?		✓
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.		✓
15	Who was contacted?  By whom:  Date:		

COOLER RECEIPT FORM	
Client: <u>Malcolm Pirnie</u>	Project: <u>Ft. Story - FTA</u>
SL Log #: <u>51109</u>	Date Received: <u>3-1-95</u>
SL Cooler Receipt Custodian (Signature): <u>L. Bonds</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival? <span style="float: right;"><u>N/A</u></span>		
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.	<u>06195</u>	
6	Was <u>wet ice</u> /blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <span style="float: right;"><u>3.5</u></span>		
8	Describe type of packing in cooler (vermiculite, <u>bubble</u> pack, etc.).		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?		✓
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples?		✓
13	Was the project manager notified of any custody discrepancies or excursions?	✓	
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.	✓	
15	Who was contacted? <u>Tony Pace</u> By whom: <u>Bobbi Heller</u> Date: <u>3/1/95</u>		

COOLER RECEIPT FORM	
Client: <u>Malcolm Pianie</u>	Project: <u>Ft Story LARC</u> <span style="float: right; font-size: small;">T.O. 002</span>
SL Log #: <u>55-52126</u>	Date Received: <u>4/24/95</u>
SL Cooler Receipt Custodian (Signature): <u>Jamae Baker</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival?		✓
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.	14087	
6	Was <u>veg</u> ice/blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>FWT -0.0°C</u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <u>Bubble pack</u>		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples? <u>6 GW-TB-41395</u>	✓	
13	Was the project manager notified of any custody discrepancies or excursions?		✓
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.		✓
15	Who was contacted?  By whom:  Date:		

COOLER RECEIPT FORM	
Client: <u>Malcolm Pirnie</u>	Project: <u>Ft Story LARC</u> <span style="float: right; font-size: small;">7.0.002</span>
SL Log #: <u>55-52126</u>	Date Received: <u>4-24-95</u>
SL Cooler Receipt Custodian (Signature): <u>Janae Baker</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival?		✓
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.	14087	
6	Was <u>wet</u> ice/blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>FWT - 0.0°C</u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <u>Bubble pack</u>		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples? <u>6 GW-TB-41395</u>	✓	
13	Was the project manager notified of any custody discrepancies or excursions?		✓
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.		✓
15	Who was contacted?  By whom:  Date:		

COOLER RECEIPT FORM

Client: <u>Malcolm Pirnie</u>	Project: <u>Ft. Story LARC</u>
SL Log #: <u>55-52133</u>	Date Received: <u>4/15/95</u>
SL Cooler Receipt Custodian (Signature): <u>A. Campbell</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival?		✓
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.	13857	
6	Was <u>wet ice</u> /blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>0.3°C</u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <u>Bubble Pack</u>		
9	Were sampling containers supplied by <u>(SL)</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?		✓
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples?		✓
13	Was the project manager notified of any custody discrepancies or excursions?	✓	
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.	✓	
15	Who was contacted?  By whom:  Date:		

**COOLER RECEIPT FORM**

Client: <u>Malcolm Pirnie</u>	Project: <u>Ft. Story LABC</u>
SL Log #: <u>55-52133</u>	Date Received: <u>4/15/95</u>
SL Cooler Receipt Custodian (Signature): <u>A. Campbell</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival?		✓
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.	14082	
6	Was <u>wet ice</u> blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>0.0°C</u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <u>Bubble Pack</u>		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?		✓
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples? <u>N/A</u>		
13	Was the project manager notified of any custody discrepancies or excursions?	✓	✓
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.	✓	
15	Who was contacted?  By whom:  Date:		

**COOLER RECEIPT FORM**

Client: <u>Malcolm Pirnie</u>	Project: <u>F. Story LABC</u>
SL Log #:	Date Received: <u>4/15/95</u>
SL Cooler Receipt Custodian (Signature): <u>A. Campbell</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival?		✓
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.	14081	
6	Was <u>wet ice</u> blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>3.1°C</u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <u>Bubble Pack</u>		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?		✓
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples? <u>N/A</u>		
13	Was the project manager notified of any custody discrepancies or excursions?	✓	✓ <u>M</u>
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.	✓	
15	Who was contacted?  By whom:  Date:		

COOLER RECEIPT FORM

Client: <u>Malcolm Pirnie</u>	Project: <u>Ft. Story WARC</u>
SL Log #: <u>SS-52133</u>	Date Received: <u>4/15/95</u>
SL Cooler Receipt Custodian (Signature): <u>A. Campbell</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival?		✓
4	Were custody papers completed properly (ink, signed, etc.)?		
5	Chain of custody associated with cooler receipt form.		14086
6	Was <u>wet ice</u> /blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>0.1°C</u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <u>Bubble Pack</u>		
9	Were sampling containers supplied by <u>(SL)</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?		
12	Were bubbles present in VOA samples? <u>N/A</u>		
13	Was the project manager notified of any custody discrepancies or excursions?		✓
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.		✓
15	Who was contacted?  By whom:  Date:		

**COOLER RECEIPT FORM**

Client: <u>Malcolm Pirnie</u>	Project: <u>Ft. Story LARC</u>
SL Log #: <u>55-52133</u>	Date Received: <u>4/15/95</u>
SL Cooler Receipt Custodian (Signature) <u>C. Campbell</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival?		✓
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.	14085	
6	Was <u>wet ice</u> blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>0.3°C</u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <u>Bubble Pack</u>		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?		✓
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples? <u>N/A</u>		
13	Was the project manager notified of any custody discrepancies or excursions?	✓	
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.	✓	
15	Who was contacted?  By whom:  Date:	<b>SL FILE ONLY</b>	

COOLER RECEIPT FORM

Client: <u>Malcolm Pirnie</u>	Project: <u>Ft Story LARC</u>
SL Log #: <u>55-51443</u>	Date Received: <u>3-16-95</u>
SL Cooler Receipt Custodian (Signature): <u>Lavera Baker</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3	Were custody seals unbroken and intact at the date and time of arrival? <u>NA</u>	<input type="checkbox"/>	<input type="checkbox"/>
4	Were custody papers completed properly (ink, signed, etc.)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5	Chain of custody associated with cooler receipt form.	<u>00367</u>	<input type="checkbox"/>
6	Was <u>wet</u> ice/blue ice used? (Circle which media)	<input type="checkbox"/>	<input type="checkbox"/>
7	Cooler temperature upon receipt: <u>FWT - 0.0°C</u>	<input type="checkbox"/>	<input type="checkbox"/>
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <u>Bubble pack</u>	<input type="checkbox"/>	<input type="checkbox"/>
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)	<input type="checkbox"/>	<input type="checkbox"/>
10	Did all bottles arrive intact and were labels in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11	Did all bottle labels agree with custody papers?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
12	Were bubbles present in VOA samples? <u>NA</u>	<input type="checkbox"/>	<input type="checkbox"/>
13	Was the project manager notified of any custody discrepancies or excursions?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15	Who was contacted?  By whom:  Date:	<input type="checkbox"/>	<input type="checkbox"/>

COOLER RECEIPT FORM	
Client: <u>Malcolm Pirnie</u>	Project: <u>Ft. Story - LARC</u>
SL Log #: <u>55-51429</u>	Date Received: <u>3-15-95</u>
SL Cooler Receipt Custodian (Signature): <u>L. M. Bonds</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival? <span style="float: right;">N/A</span>		✓
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.	00356	
6	Was <u>wet ice</u> blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>5.0°C</u>		
8	Describe type of packing in cooler (vermiculite, <u>bubble</u> pack, etc.).		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples? <span style="float: right;">N/A</span>		✓
13	Was the project manager notified of any custody discrepancies or excursions?		✓
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.		✓
15	Who was contacted?  By whom:  Date:		

COOLER RECEIPT FORM

Client: <u>Malcolm Pirnie</u>	Project: <u>Ft. Story - LARC</u>
SL Log #: <u>55-514</u>	Date Received: <u>3-15-95</u>
SL Cooler Receipt Custodian (Signature): <u>Lorna M. Bonds</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival? <u>N/A</u>		✓
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.	<u>00355</u>	
6	Was <u>wet ice</u> /blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>6.0 °C</u>		
8	Describe type of packing in cooler (vermiculite, <u>bubble</u> pack, etc.).		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples? <u>N/A</u>		✓
13	Was the project manager notified of any custody discrepancies or excursions?		✓
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.		✓
15	Who was contacted?  By whom:  Date:		

COOLER RECEIPT FORM	
Client: <i>Malcolm Pienie</i>	Project: <i>Fa Story LARE site</i>
SL Log #: <i>55-50573</i>	Date Received: <i>2-2-95</i>
SL Cooler Receipt Custodian (Signature): <i>Lanier Baker</i>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival?	N/A	
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.	05411	
6	Was <u>wet ice</u> /blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: * <i>0.0°C</i>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <i>Bubble pack</i>		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?		
11	Did all bottle labels agree with custody papers?		
12	Were bubbles present in VOA samples? ( <i>TEP Blank only</i> )	✓	
13	Was the project manager notified of any custody discrepancies or excursions?	N/A	
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.		✓
15	Who was contacted?  By whom:  Date:		

\* No container temperature bottle received

COOLER RECEIPT FORM	
Client: <i>Malcolm Pienie</i>	Project: <i>FE. Story LARC Site</i>
SL Log #: <i>55-5073</i>	Date Received: <i>2-2-95</i>
SL Cooler Receipt Custodian (Signature): <i>Fanore Baker</i>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival?	N/A	
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.	05410	
6	Was <u>wet</u> ice/blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <i>0.6 °C</i>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <i>Bubble Pack</i>		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples?	N/A	
13	Was the project manager notified of any custody discrepancies or excursions?	N/A	
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.		✓
15	Who was contacted?  By whom:  Date:		

COOLER RECEIPT FORM	
Client: <u>Malcolm Pirnie</u>	Project: <u>4. Story LABC</u>
SL Log #: <u>55-50730</u>	Date Received: <u>2/9/95</u>
SL Cooler Receipt Custodian (Signature): <u>A. Campbell</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival? <u>N/A</u>		
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.	<u>06203</u>	
6	Was <u>wet ice</u> /blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>0.0°C</u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <u>Bubble Rock</u>		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples?		✓
13	Was the project manager notified of any custody discrepancies or excursions?		✓
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.		✓
15	Who was contacted?  By whom:  Date:		

**COOLER RECEIPT FORM**

Client: <u>Malcolm Pirnie</u>	Project: <u>A. Story LARC</u>
SL Log #: <u>SS-50730</u>	Date Received: <u>2/9/95</u>
SL Cooler Receipt Custodian (Signature): <u>A. Campbell</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival? <u>N/A</u>		
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.		06/27
6	Was <u>wet ice</u> /blue ice used? (Circle which media) <u>4.5°C R</u>		
7	Cooler temperature upon receipt: <u>4.5°C</u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <u>Bubble Pack</u>		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples? <u>N/A</u>		
13	Was the project manager notified of any custody discrepancies or excursions?		✓
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.		✓
15	Who was contacted?  By whom:  Date:		

COOLER RECEIPT FORM	
Client: <u>Malcolm Pirnie</u>	Project: <u>Ft. Story LARC</u>
SL Log #: <u>55-50775</u>	Date Received: <u>2-13-95</u>
SL Cooler Receipt Custodian (Signature): <u>Laura Baker</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival? <span style="float: right;">NA</span>		
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.	06/26	
6	Was <u>wet</u> ice/blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>3.3°C</u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <u>Bubble pack</u>		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?		
11	Did all bottle labels agree with custody papers?		
12	Were bubbles present in VOA samples? <span style="float: right;">NA</span>		
13	Was the project manager notified of any custody discrepancies or excursions?		
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.		
15	Who was contacted?  By whom:  Date:		

COOLER RECEIPT FORM

Client: <u>Malcolm Pirnie</u>	Project: <u>Ft. Story LARC</u>
SL Log #: <u>SS-50792</u>	Date Received: <u>2-14-95</u>
SL Cooler Receipt Custodian (Signature): <u>Janae Baker</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3	Were custody seals unbroken and intact at the date and time of arrival? <u>NA</u>	<input type="checkbox"/>	<input type="checkbox"/>
4	Were custody papers completed properly (ink, signed, etc.)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5	Chain of custody associated with cooler receipt form.	<u>06124</u>	
6	Was <u>wet</u> ice/blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>FWT-0.0°C</u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <u>Bubble pack</u>		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11	Did all bottle labels agree with custody papers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12	Were bubbles present in VOA samples? <u>NA</u>	<input type="checkbox"/>	<input type="checkbox"/>
13	Was the project manager notified of any custody discrepancies or excursions?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
15	Who was contacted?  By whom:  Date:		

COOLER RECEIPT FORM	
Client: <u>Malcolm Arnie</u>	Project: <u>FtS Ford Larc</u>
SL Log #: <u>SS-50792</u>	Date Received: <u>2-14-95</u>
SL Cooler Receipt Custodian (Signature): <u>Janan Baker</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival? <u>NA</u>		
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.	<u>06/25</u>	
6	Was <u>wet</u> ice/blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>FWT-0.0°C</u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <u>Bubble pack</u>		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples? <u>NA</u>		
13	Was the project manager notified of any custody discrepancies or excursions?		✓
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.		✓
15	Who was contacted?  By whom:  Date:		

COOLER RECEIPT FORM	
Client: <u>Malcolm Pirnie</u>	Project: <u>Ft. Story LARC</u>
SL Log #: <u>55-50819</u>	Date Received: <u>2-15-95</u>
SL Cooler Receipt Custodian (Signature): <u>Jamara Baker</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival? <span style="float: right;"><u>NA</u></span>		
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.		<u>06123</u>
6	Was <u>wet</u> ice/blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>FNT - 0.0°C</u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <u>Bubble pack</u>		
9	Were sampling containers supplied by <u>(SL)</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples? <span style="float: right;"><u>Att</u></span>		✓
13	Was the project manager notified of any custody discrepancies or excursions?		✓
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.		✓
15	Who was contacted?  By whom:  Date:		

COOLER RECEIPT FORM	
Client: <u>Malcolm Pirnie</u>	Project: <u>Ft Story LARC</u>
SL Log #: <u>55-50819</u>	Date Received: <u>2-15-95</u>
SL Cooler Receipt Custodian (Signature): <u>Lanora Baker</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival? <span style="float: right;">NA</span>		
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.		06121
6	Was <u>wet</u> ice/blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>FWT-0.0°C</u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <span style="float: right;">Bubble pack</span>		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples? <span style="float: right;">NA</span>		
13	Was the project manager notified of any custody discrepancies or excursions?		✓
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.		✓
15	Who was contacted?  By whom:  Date:		

COOLER RECEIPT FORM	
Client: <u>Malcolm Pirnie</u>	Project: <u>History LARC</u>
SL Log #: <u>55-50819</u>	Date Received: <u>2-15-95</u>
SL Cooler Receipt Custodian (Signature): <u>[Signature]</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival? <span style="float: right;">NA</span>		
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.		06/20
6	Was <u>wet</u> ice/blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>3.1°C</u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <span style="float: right;">Bubble pack</span>		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples? <span style="float: right;">NA</span>		
13	Was the project manager notified of any custody discrepancies or excursions?		✓
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.		✓
15	Who was contacted?  By whom:  Date:		

COOLER RECEIPT FORM	
Client: <u>Malcolm Pirnie</u>	Project: <u>Ft Story - LARC</u>
SL Log #: <u>55-51141</u>	Date Received: <u>3-20-95</u>
SL Cooler Receipt Custodian (Signature): <u>Lanora Baker</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	✓	
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):		✓
3	Were custody seals unbroken and intact at the date and time of arrival? <span style="float: right;"><u>NA</u></span>		
4	Were custody papers completed properly (ink, signed, etc.)?	✓	
5	Chain of custody associated with cooler receipt form.		<u>00359</u>
6	Was <u>wet</u> ice/blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>6.6 °C</u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <u>Bubble pack</u>		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	✓	
11	Did all bottle labels agree with custody papers?	✓	
12	Were bubbles present in VOA samples?		✓
13	Was the project manager notified of any custody discrepancies or excursions?		✓
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.		✓
15	Who was contacted?  By whom:  Date:		

COOLER RECEIPT FORM	
Client: <u>Malcolm Pirnie</u>	Project: <u>Pt. Story LARC</u>
SL Log #: <u>55-51141</u>	Date Received: <u>3-2-95</u>
SL Cooler Receipt Custodian (Signature): <u>Laura Baker</u>	

Use other side of this form to note details concerning custodial discrepancies

		YES	NO
1	Did a shipping slip (air bill, etc.) accompany the cooler shipment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	Were custody seals affixed to the outside of cooler? If YES, enter the following: Seal Identification (if provided):	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3	Were custody seals unbroken and intact at the date and time of arrival? <span style="float: right;"><u>NA</u></span>	<input type="checkbox"/>	<input type="checkbox"/>
4	Were custody papers completed properly (ink, signed, etc.)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5	Chain of custody associated with cooler receipt form.	<u>00358</u>	
6	Was <u>wet</u> ice/blue ice used? (Circle which media)		
7	Cooler temperature upon receipt: <u>6.8°C</u>		
8	Describe type of packing in cooler (vermiculite, bubble pack, etc.). <span style="float: right;"><u>Bubble pack</u></span>		
9	Were sampling containers supplied by <u>SL</u> or client? (Circle which one)		
10	Did all bottles arrive intact and were labels in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11	Did all bottle labels agree with custody papers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12	Were bubbles present in VOA samples? <u>Trip Blank</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
13	Was the project manager notified of any custody discrepancies or excursions?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
14	Was a custody excursion form completed and a copy provided to the project manager? If so, complete No. 15.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
15	Who was contacted? <u>Tony Pail</u> By whom: <u>Bobbie Heller</u> Date: <u>3/4/95</u>		

COMPARISON OF QA & CONTRACTOR RESULTS  
 PROJECT: FORT STORY, VA - LARC 60

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QA SAMPLE NO.: 29978  
 QA FIELD ID: SB06-400A-79  
 QA ANALYSIS DATE: 03/13/95

CONTRACTOR'S SAMPLE NO.: 50819-2  
 CONTRACTOR'S FIELD ID: SB06-004-79  
 CONTRACTOR'S ANALYSIS DATE: 02/23/95

MATERIAL DESCRIPTION: SOIL  
 DATE SAMPLED: 02/14/95  
 UNITS: ug/kg

PARAMETER	RESULTS		RESULTS		COMPARISON CODE
	QA LAB MDL	QA LAB	CONTRACTOR MDL	CONTRACTOR	
Phenol	< 350		< 360		0
Bis(2-chloroethyl)ether	< 350		< 360		0
2-Chlorophenol	< 350		< 360		0
1,3-Dichlorobenzene	< 350		< 360		0
1,4-Dichlorobenzene	< 350		< 360		0
1,2-Dichlorobenzene	< 350		< 360		0
2-Methylphenol	< 350		< 360		0
Bis(2-chloroisopropyl)ether	< 350		< 360		0
4-Methylphenol	< 350		< 360		0
N-Nitroso-di-n-propylamine	< 350		< 360		0
Hexachloroethane	< 350		< 360		0
Nitrobenzene	< 350		< 360		0
Isophorone	< 350		< 360		0
2-Nitrophenol	< 350		< 360		0
2,4-Dimethylphenol	< 350		< 360		0
Bis(2-chloroethoxy)methane	< 350		< 360		0
2,4-Dichlorophenol	< 880		< 360		0
1,2,4-Trichlorobenzene	< 350		< 360		0
Naphthalene	< 350		< 360		0
4-Chloroaniline	< 350		< 730		0
Hexachlorobutadiene	< 350		< 360		0
4-Chloro-3-methylphenol	< 350		< 360		0
2-Methylnaphthalene	< 350		< 360		0
Hexachlorocyclopentadiene	< 350		< 360		0
2,4,6-Trichlorophenol	< 350		< 360		0
2,4,5-Trichlorophenol	< 880		< 360		0
2-Chloronaphthalene	< 350		< 360		0
2-Nitroaniline	< 880		< 1900		0
Dimethylphthalate	< 350		< 360		0
Acenaphthylene	< 350		< 360		0
3-Nitroaniline	< 880		< 1900		0
Acenaphthene	< 350		< 360		0
2,4-Dinitrophenol	< 880		< 1900		0
4-Nitrophenol	< 880		< 1900		0
Dibenzofuran	< 350		< 360		0
2,6-Dinitrotoluene	< 350		< 360		0

QA SAMPLE NO.: 29978

CONTRACTOR'S SAMPLE NO.: 50819-2

PARAMETER	RESULTS		RESULTS		COMPARISON CODE
	QA LAB MDL	QA LAB	CONTRACTOR MDL	CONTRACTOR	
2,4-Dinitrotoluene	< 350		< 360		0
Diethylphthalate	< 350		< 360		0
4-Chlorophenyl-phenylether	< 350		< 360		0
Fluorene	< 350		< 360		0
4-Nitroaniline	< 880		< 1900		0
4,6-Dinitro-2-methylphenol	< 880		< 1900		0
N-Nitrosodiphenylamine	< 350		< 360		0
4-Bromophenyl-phenylether	< 350		< 360		0
Hexachlorobenzene	< 350		< 360		0
Pentachlorophenol	< 880		< 1900		0
Phenanthrene	< 350		< 360		0
Anthracene	< 350		< 360		0
Di-n-butylphthalate	< 350		< 360		0
Fluoranthene	< 350	J 55	< 360		0
Pyrene	< 350	J 50	< 360		0
Butylbenzylphthalate	< 350		< 360		0
3,3-Dichlorobenzidine	< 350		< 730		0
Benzo(a)anthracene	< 350	J 27	< 360		0
Bis(2ethylhexyl)phthalate	< 350		< 360		0
Chrysene	< 350	J 33	< 360		0
Di-n-octyl phthalate	< 350		< 360		0
Benzo(b)fluoranthene	< 350	J 36	< 360		0
Benzo(k)fluoranthene	< 350	J 47	< 360		0
Benzo(a)pyrene	< 350	J 35	< 360		0
Indeno(1,2,3-cd)pyrene	< 350		< 360		0
Dibenz(a,h)anthracene	< 350		< 360		0
Benzo(g,h,i)perylene	< 350	J 24	< 360		0
Carbazole	< 350			NA	2

SURROGATE RECOVERIES (%)

	QA	CONTRACTOR
2-Fluorophenol	45	48
Phenol-d6	54	56
Nitrobenzene-d5	58	51
2-Fluorobiphenyl	74	67
2,4,6-Tribromophenol	58	58
Terphenyl-d14	51	60
1,2-Dichlorobenzene-d4	55	NR
2-Chlorophenol-d4	50	NR

\* = SURROGATE RECOVERY OUTSIDE ACCEPTABLE RANGE

SEE APPENDIX B FOR KEY TO COMMENTS

COMPARISON OF QA & CONTRACTOR RESULTS  
 PROJECT: FORT STORY, VA - LARC 60

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QA SAMPLE NO.: 30114  
 QA FIELD ID: GW06-110A  
 QA ANALYSIS DATE: 03/21/95

CONTRACTOR'S SAMPLE NO.: 51256-9  
 CONTRACTOR'S FIELD ID: GW06-011  
 CONTRACTOR'S ANALYSIS DATE: 03/13/95

MATERIAL DESCRIPTION: WATER  
 DATE SAMPLED: 03/06/95  
 UNITS: ug/L

PARAMETER	RESULTS		RESULTS		COMPARISON CODE
	QA LAB MDL	QA LAB	CONTRACTOR MDL	CONTRACTOR	
Phenol	< 10		< 10		0
Bis(2-chloroethyl)ether	< 10		< 10		0
2-Chlorophenol	< 10		< 10		0
1,3-Dichlorobenzene	< 10		< 10		0
1,4-Dichlorobenzene	< 10		< 10		0
1,2-Dichlorobenzene	< 10		< 10		0
2-Methylphenol	< 10		< 10		0
Bis(2-chloroisopropyl)ether	< 10		< 10		0
4-Methylphenol	< 10		< 10		0
N-Nitroso-di-n-propylamine	< 10		< 10		0
Hexachloroethane	< 10		< 10		0
Nitrobenzene	< 10		< 10		0
Isophorone	< 10		< 10		0
2-Nitrophenol	< 10		< 10		0
2,4-Dimethylphenol	< 10		< 10		0
Bis(2-chloroethoxy)methane	< 10		< 10		0
2,4-Dichlorophenol	< 10		< 10		0
1,2,4-Trichlorobenzene	< 10		< 10		0
Naphthalene	< 10		< 10		0
4-Chloroaniline	< 10		< 20		0
Hexachlorobutadiene	< 10		< 10		0
4-Chloro-3-methylphenol	< 10		< 10		0
2-Methylnapthalene	< 10	J 3.0	< 10		0
Hexachlorocyclopentadiene	< 10		< 10		0
2,4,6-Trichlorophenol	< 10		< 10		0
2,4,5-Trichlorophenol	< 25		< 10		0
2-Chloronaphthalene	< 10		< 10		0
2-Nitroaniline	< 25		< 50		0
Dimethylphthalate	< 10		< 10		0
Acenaphthylene	< 10		< 10		0
3-Nitroaniline	< 25		< 50		0
Acenaphthene	< 10	J 1.0	< 10		0
2,4-Dinitrophenol	< 25		< 50		0
4-Nitrophenol	< 25		< 50		0
Dibenzofuran	< 10		< 10		0
2,6-Dinitrotoluene	< 10		< 10		0

COMPARISON OF QA & CONTRACTOR RESULTS  
 PROJECT: FORT STORY, VA - LARC 60

PAGE 2 OF 2

QA SAMPLE NO.: 30114

CONTRACTOR'S SAMPLE NO.: 51256-9

PARAMETER	RESULTS		RESULTS		COMPARISON CODE
	QA LAB MDL	QA LAB	CONTRACTOR MDL	CONTRACTOR	
2,4-Dinitrotoluene	< 10		< 10		0
Diethylphthalate	< 10		< 10		0
4-Chlorophenyl-phenylether	< 10		< 10		0
Fluorene	< 10	J 1.0	< 10		0
4-Nitroaniline	< 25		< 50		0
4,6-Dinitro-2-methylphenol	< 25		< 50		0
N-Nitrosodiphenylamine	< 10		< 10		0
4-Bromophenyl-phenylether	< 10		< 10		0
Hexachlorobenzene	< 10		< 10		0
Pentachlorophenol	< 25		< 50		0
Phenanthrene	< 10	J 2.0	< 10		0
Anthracene	< 10		< 10		0
Di-n-butylphthalate	< 10	J 2.0	< 10		0
Fluoranthene	< 10		< 10		0
Pyrene	< 10		< 10		0
Butylbenzylphthalate	< 10		< 10		0
3,3-Dichlorobenzidine	< 10		< 20		0
Benzo(a)anthracene	< 10		< 10		0
Bis(2ethylhexyl)phthalate	< 10	J 2.0	< 10		0
Chrysene	< 10		< 10		0
Di-n-octyl phthalate	< 10		< 10		0
Benzo(b)fluoranthene	< 10		< 10		0
Benzo(k)fluoranthene	< 10		< 10		0
Benzo(a)pyrene	< 10		< 10		0
Indeno(1,2,3-cd)pyrene	< 10		< 10		0
Dibenz(a,h)anthracene	< 10		< 10		0
Benzo(g,h,i)perylene	< 10		< 10		0
Carbazole	< 10			NA	2

SURROGATE RECOVERIES (%)

	QA	CONTRACTOR
2-Fluorophenol	71	74
Phenol-d6	79	77
Nitrobenzene-d5	79	79
2-Fluorobiphenyl	71	72
2,4,6-Tribromophenol	104	99
Terphenyl-d14	42	29
1,2-Dichlorobenzene-d4	80	NR
2-Chlorophenol-d4	81	NR

\* = SURROGATE RECOVERY OUTSIDE ACCEPTABLE RANGE

SEE APPENDIX B FOR KEY TO COMMENTS

COMPARISON OF QA & CONTRACTOR RESULTS  
 PROJECT: FORT STORY, VA - LARC 60

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QA SAMPLE NO.: 30176  
 QA FIELD ID: SB06-007A-45  
 QA ANALYSIS DATE: 03/19/95

CONTRACTOR'S SAMPLE NO.: 51443-1  
 CONTRACTOR'S FIELD ID: SB06-007-45  
 CONTRACTOR'S ANALYSIS DATE: 03/21/95

MATERIAL DESCRIPTION: SOIL  
 DATE SAMPLED: 03/15/95  
 UNITS: ug/kg

PARAMETER	RESULTS		RESULTS		COMPARISON CODE
	QA LAB MDL	QA LAB	CONTRACTOR MDL	CONTRACTOR	
Phenol	< 350		< 350		0
Bis(2-chloroethyl) ether	< 350		< 350		0
2-Chlorophenol	< 350		< 350		0
1,3-Dichlorobenzene	< 350		< 350		0
1,4-Dichlorobenzene	< 350		< 350		0
1,2-Dichlorobenzene	< 350		< 350		0
2-Methylphenol	< 350		< 350		0
Bis(2-chloroisopropyl) ether	< 350		< 350		0
4-Methylphenol	< 350		< 350		0
N-Nitroso-di-n-propylamine	< 350		< 350		0
Hexachloroethane	< 350		< 350		0
Nitrobenzene	< 350		< 350		0
Isophorone	< 350		< 350		0
2-Nitrophenol	< 350		< 350		0
2,4-Dimethylphenol	< 350		< 350		0
Bis(2-chloroethoxy)methane	< 350		< 350		0
2,4-Dichlorophenol	< 880		< 350		0
1,2,4-Trichlorobenzene	< 350		< 350		0
Naphthalene	< 350		< 350		0
4-Chloroaniline	< 350		< 710		0
Hexachlorobutadiene	< 350		< 350		0
4-Chloro-3-methylphenol	< 350		< 350		0
2-Methylnaphthalene	< 350		< 350		0
Hexachlorocyclopentadiene	< 350		< 350		0
2,4,6-Trichlorophenol	< 350		< 350		0
2,4,5-Trichlorophenol	< 880		< 350		0
2-Chloronaphthalene	< 350		< 350		0
2-Nitroaniline	< 880		< 1800		0
Dimethylphthalate	< 350		< 350		0
Acenaphthylene	< 350		< 350		0
3-Nitroaniline	< 880		< 1800		0
Acenaphthene	< 350		< 350		0
2,4-Dinitrophenol	< 880		< 1800		0
4-Nitrophenol	< 880		< 1800		0
Dibenzofuran	< 350		< 350		0
2,6-Dinitrotoluene	< 350		< 350		0

COMPARISON OF QA & CONTRACTOR RESULTS  
 PROJECT: FORT STORY, VA - LARC 60

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QA SAMPLE NO.: 30176

CONTRACTOR'S SAMPLE NO.: 51443-1

PARAMETER	RESULTS		RESULTS		COMPARISON CODE
	QA LAB MDL	QA LAB	CONTRACTOR MDL	CONTRACTOR	
2,4-Dinitrotoluene	< 350		< 350		0
Diethylphthalate	< 350		< 350		0
4-Chlorophenyl-phenylether	< 350		< 350		0
Fluorene	< 350		< 350		0
4-Nitroaniline	< 880		< 1800		0
4,6-Dinitro-2-methylphenol	< 880		< 1800		0
N-Nitrosodiphenylamine	< 350		< 350		0
4-Bromophenyl-phenylether	< 350		< 350		0
Hexachlorobenzene	< 350		< 350		0
Pentachlorophenol	< 880		< 1800		0
Phenanthrene	< 350		< 350		0
Anthracene	< 350		< 350		0
Di-n-butylphthalate	< 350		< 350		0
Fluoranthene	< 350		< 350		0
Pyrene	< 350		< 350		0
Butylbenzylphthalate	< 350		< 350		0
3,3-Dichlorobenzidine	< 350		< 710		0
Benzo(a)anthracene	< 350		< 350		0
Bis(2ethylhexyl)phthalate	< 350		< 350		0
Chrysene	< 350		< 350		0
Di-n-octyl phthalate	< 350		< 350		0
Benzo(b)fluoranthene	< 350		< 350		0
Benzo(k)fluoranthene	< 350		< 350		0
Benzo(a)pyrene	< 350		< 350		0
Indeno(1,2,3-cd)pyrene	< 350		< 350		0
Dibenz(a,h)anthracene	< 350		< 350		0
Benzo(g,h,i)perylene	< 350		< 350		0
Carbazole	< 350			NA	2

SURROGATE RECOVERIES (%)

	QA	CONTRACTOR
2-Fluorophenol	66	73
Phenol-d6	71	80
Nitrobenzene-d5	63	82
2-Fluorobiphenyl	78	104
2,4,6-Tribromophenol	77	76
Terphenyl-d14	85	69
1,2-Dichlorobenzene-d4	64	NR
2-Chlorophenol-d4	63	NR

\* = SURROGATE RECOVERY OUTSIDE ACCEPTABLE RANGE

SEE APPENDIX B FOR KEY TO COMMENTS

COMPARISON OF QA & CONTRACTOR RESULTS  
 PROJECT: FORT STORY, VA - LARC 60

PAGE 1 OF 2

QA SAMPLE NO.: 30177  
 QA FIELD ID: SB06-020A-45  
 QA ANALYSIS DATE: 03/19/95

CONTRACTOR'S SAMPLE NO.: 51443-02  
 CONTRACTOR'S FIELD ID: SB06-020-45  
 CONTRACTOR'S ANALYSIS DATE: 03/21/95

MATERIAL DESCRIPTION: SOIL  
 DATE SAMPLED: 03/15/95  
 UNITS: ug/kg

PARAMETER	RESULTS		RESULTS		COMPARISON CODE
	QA LAB MDL	QA LAB	CONTRACTOR MDL	CONTRACTOR	
Phenol	< 350		< 350		0
Bis(2-chloroethyl)ether	< 350		< 350		0
2-Chlorophenol	< 350		< 350		0
1,3-Dichlorobenzene	< 350		< 350		0
1,4-Dichlorobenzene	< 350		< 350		0
1,2-Dichlorobenzene	< 350		< 350		0
2-Methylphenol	< 350		< 350		0
Bis(2-chloroisopropyl)ether	< 350		< 350		0
4-Methylphenol	< 350		< 350		0
N-Nitroso-di-n-propylamine	< 350		< 350		0
Hexachloroethane	< 350		< 350		0
Nitrobenzene	< 350		< 350		0
Isophorone	< 350		< 350		0
2-Nitrophenol	< 350		< 350		0
2,4-Dimethylphenol	< 350		< 350		0
Bis(2-chloroethoxy)methane	< 350		< 350		0
2,4-Dichlorophenol	< 890		< 350		0
1,2,4-Trichlorobenzene	< 350		< 350		0
Naphthalene	< 350		< 350		0
4-Chloroaniline	< 350		< 700		0
Hexachlorobutadiene	< 350		< 350		0
4-Chloro-3-methylphenol	< 350		< 350		0
2-Methylnapthalene	< 350		< 350		0
Hexachlorocyclopentadiene	< 350		< 350		0
2,4,6-Trichlorophenol	< 350		< 350		0
2,4,5-Trichlorophenol	< 890		< 350		0
2-Chloronapthalene	< 350		< 350		0
2-Nitroaniline	< 890		< 1800		0
Dimethylphthalate	< 350		< 350		0
Acenaphthylene	< 350		< 350		0
3-Nitroaniline	< 890		< 1800		0
Acenaphthene	< 350		< 350		0
2,4-Dinitrophenol	< 890		< 1800		0
4-Nitrophenol	< 890		< 1800		0
Dibenzofuran	< 350		< 350		0
2,6-Dinitrotoluene	< 350		< 350		0

QA SAMPLE NO.: 30177

CONTRACTOR'S SAMPLE NO.: 51443-02

PARAMETER	RESULTS		RESULTS		COMPARISON CODE
	QA LAB MDL	QA LAB	CONTRACTOR MDL	CONTRACTOR	
2,4-Dinitrotoluene	< 350		< 350		0
Diethylphthalate	< 350		< 350		0
4-Chlorophenyl-phenylether	< 350		< 350		0
Fluorene	< 350		< 350		0
4-Nitroaniline	< 890		< 1800		0
4,6-Dinitro-2-methylphenol	< 890		< 1800		0
N-Nitrosodiphenylamine	< 350		< 350		0
4-Bromophenyl-phenylether	< 350		< 350		0
Hexachlorobenzene	< 350		< 350		0
Pentachlorophenol	< 890		< 1800		0
Phenanthrene	< 350		< 350		0
Anthracene	< 350		< 350		0
Di-n-butylphthalate	< 350		< 350		0
Fluoranthene	< 350		< 350		0
Pyrene	< 350		< 350		0
Butylbenzylphthalate	< 350		< 350		0
3,3-Dichlorobenzidine	< 350		< 700		0
Benzo (a) anthracene	< 350		< 350		0
Bis (2ethylhexyl) phthalate	< 350		< 350		0
Chrysene	< 350		< 350		0
Di-n-octyl phthalate	< 350		< 350		0
Benzo (b) fluoranthene	< 350		< 350		0
Benzo (k) fluoranthene	< 350		< 350		0
Benzo (a) pyrene	< 350		< 350		0
Indeno (1,2,3-cd) pyrene	< 350		< 350		0
Dibenz (a,h) anthracene	< 350		< 350		0
Benzo (g,h,i) perylene	< 350		< 350		0
Carbazole	< 350			NA	2

SURROGATE RECOVERIES (%)

	QA	CONTRACTOR
2-Fluorophenol	48	74
Phenol-d6	66	80
Nitrobenzene-d5	52	79
2-Fluorobiphenyl	72	96
2,4,6-Tribromophenol	62	74
Terphenyl-d14	40	89
1,2-Dichlorobenzene-d4	59	NR
2-Chlorophenol-d4	56	NR

\* = SURROGATE RECOVERY OUTSIDE ACCEPTABLE RANGE

SEE APPENDIX B FOR KEY TO COMMENTS

COMPARISON OF QA & CONTRACTOR RESULTS  
 PROJECT: FORT STORY, VA - LARC 60

QA SAMPLE NO.: 30177  
 QA FIELD ID: SB06-020A-45

CONTRACTOR'S SAMPLE NO.: 51443-2  
 CONTRACTOR'S FIELD ID: SB06-020-45

MATERIAL DESCRIPTION: SOIL  
 DATE SAMPLED: 03/15/95  
 UNITS: ug/g

PARAMETER	RESULTS		RESULTS		COMPARISON CODE
	QA LAB MDL	QA LAB	CONTRACTOR MDL	CONTRACTOR	
Silver		J 0.51	< 1.1		0
Aluminum		380		290	0
Arsenic		0.86	< 1.1		0
Barium		2.5		2.3	0
Beryllium	< 0.028		< 0.53		0
Calcium		43	< 53		0
Cadmium		J 0.18	< 0.53		0
Cobalt		0.79	< 1.1		0
Chromium		1.5	< 1.1		3
Copper		5.5		5.3	0
Iron		770		660	0
Potassium		J 37	< 110		0
Magnesium		56	< 53		3
Manganese		4.2		3.3	0
Mercury		4.6	< 0.011		4
Sodium		11	< 53		0
Nickel		0.81	< 4.3		0
Lead		1.5		3.2	0
Antimony	< 4.20		< 5.3		0
Selenium	< 0.46		< 1.1		0
Thallium	< 0.19		< 1.1		0
Vanadium		1.7		1.2	0
Zinc		7.2		7.9	0

SEE APPENDIX B FOR KEY TO COMMENTS

COMPARISON OF QA AND CONTRACTOR RESULTS

PROJECT: FORT STORY, VA - LARC 60

ANALYSIS PERFORMED: TOTAL CYANIDE

UNITS: mg/kg

```
*****
*   SAMPLE   SAMPLE   CONTRACTOR   CONTRACTOR   ENV. LAB   QA FIELD   CONTRACTOR   QA LAB   C   *
*   DATE     MATRIX    SAMPLE NO.   FIELD ID     NO.        ID         RESULTS     RESULTS  *
*****
* 03/15/95   SOIL      51443-2     SB06-020-45  30177     SB06-020A-45  < 1.1      < 0.30   0   *
*****
```

COMPARISON OF QA AND CONTRACTOR RESULTS

PROJECT: FORT STORY, VA - LARC 60

ANALYSIS PERFORMED: TOTAL PETROLEUM HYDROCARBONS - GRO

UNITS: mg/kg or ug/L

```

*****
*  SAMPLE  SAMPLE  CONTRACTOR  CONTRACTOR  ENV. LAB  QA FIELD  CONTRACTOR  QA LAB  C  *
*  DATE    MATRIX  SAMPLE NO.  FIELD ID   NO.       ID        RESULTS    RESULTS  *
*****
* 02/08/95  SOIL    50730-2    SS06-003-01  29846    SS06-300A-01  < 0.26    < 1.0    0  *
*-----*
* 02/14/95  SOIL    50819-2    SB06-004-79  29978    SB06-400A-79  < 0.27    < 1.0    0  *
*-----*
* 03/06/95  WATER   51206-6    GW06-011     30114    GW06-110A     400        400       0  *
*-----*
* 03/15/95  SOIL    51443-1    SB06-007-45  30176    SB06-007A-45  < 0.27     5.0       4  *
*-----*
* 03/15/95  SOIL    51443-2    SB06-020-45  30177    SB06-020A-45  < 0.26     < 1.1     0  *
*****
    
```

COMPARISON OF QA AND CONTRACTOR RESULTS

PROJECT: FORT STORY, VA - LARC 60

ANALYSIS PERFORMED: TOTAL PETROLEUM HYDROCARBONS - DRO

UNITS: mg/kg or ug/L

```

*****
*  SAMPLE  SAMPLE  CONTRACTOR  CONTRACTOR  ENV. LAB  QA FIELD  CONTRACTOR  QA LAB  C  *
*  DATE    MATRIX  SAMPLE NO.  FIELD ID    NO.        ID        RESULTS    RESULTS
*****
* 02/08/95  SOIL    50730-2    SS06-003-01  29846     SS06-300A-01  < 34      < 1.0    0  *
*-----*
* 02/14/95  SOIL    50819-2    SB06-004-79  29978     SB06-400A-79   150       4.4      4  *
*-----*
* 03/06/95  WATER   51206-6    GW06-011     30114     GW06-110A     2300      1600     0  *
*-----*
* 03/15/95  SOIL    51443-1    SB06-007-45  30176     SB06-007A-45   880       71       4  *
*-----*
* 03/15/95  SOIL    51443-2    SB06-020-45  30177     SB06-020A-45  < 35      2.5      0  *
*****
    
```

CENED-ED-GL  
SAMPLE CONTAINER RECEIPT FORM

PROJECT: FTS WRY LAR<sup>C</sup>

Project #: E0361  
Work Order #: \_\_\_\_\_

Container received on 2-9-95 and inspected on 2-9-95 by: Cliff

1. Temperature 5.1 °C. Temperature taken on 2-9-95 (date)
2. Shipper \_\_\_\_\_ Shipper # 0561 2741 191  
(USM, UPS, DHL, FEDEX, P/C, AIR EXP, HAND-DELIVERED)
3. Container type (Cooler, box, envelope, etc.) \_\_\_\_\_
4. Were custody seals on outside of container? N/A Yes No  
How many & where: \_\_\_\_\_, seal date: \_\_\_\_\_, seal name: \_\_\_\_\_
5. Were custody papers taped to lid inside container? N/A Yes No
6. Custody papers properly filled out? (ink, signed, etc.) Yes No
7. Was project and project # identifiable from custody papers? Yes No
8. Did you sign custody papers in appropriate place? Yes No
9. Did you attach shipper's packing form to this form? N/A Yes No
10. Packing material (peanuts, vermiculite, bubble wrap, paper, cans, other)
11. Were all samples sealed in separate plastic bags? N/A Yes No
12. Did all samples arrive in good condition? Yes No
13. Sample labels complete? (#, date, analysis, preservation, sign.) Yes No
14. Were correct sample containers used for tests indicated? N/A Yes No
15. Were correct preservatives used? (TM pH\_\_\_\_, CN- pH\_\_\_\_)  
(TOC pH\_\_\_\_, NUTRIENT pH\_\_\_\_, TOX pH\_\_\_\_, TPH pH\_\_\_\_, OTHER pH\_\_\_\_) N/A Yes No
16. Were VOA vials bubble-free (H<sub>2</sub>O) or no headspace (soil)? N/A Yes No
17. Was sufficient amount of sample sent in each container? Yes No
18. Did all sample labels agree with custody papers? Yes No
19. Were air volumes noted for air samples? N/A Yes No
20. Were initial weights noted for pre-weighed filters? N/A Yes No

Discrepancies: (6) SHOULD SHOW DATE/TIME FOR TRANSFER OF CUSTODY TO SHIPPER.



# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

- 5102 LaRoche Avenue, Savannah, GA 31404
- 2846 Industrial Plaza Drive, Tallahassee, FL 32301
- 414 SW 12th Avenue, Deerfield Beach, FL 33442
- 900 Lakeside Drive, Mobile, AL 36693
- 6712 Benjamin Road, Suite 100, Tampa, FL 33634
- 110 Alpha Drive, Destrehan, LA 70047

- Phone: (912) 354-7858 Fax: (912) 352-0165
- Phone: (904) 878-3994 Fax: (904) 878-9504
- Phone: (305) 421-7400 Fax: (305) 421-2584
- Phone: (205) 666-6633 Fax: (205) 666-6696
- Phone: (813) 885-7427 Fax: (813) 885-7049
- Phone: (504) 764-1100 Fax: (504) 725-1163

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE <b>Ft. Story LARC</b>		PROJECT NO. <b>0285-589</b>	P.O. NUMBER <b>T.O. 002</b>	MATRIX TYPE	REQUIRED ANALYSES				PAGE <b>1</b> OF <b>1</b>
PROJECT LOC. (State) <b>VA</b>	SAMPLER(S) NAME <b>Tony Pace</b>	PHONE <b>(804) 873-8700</b>	FAX <b>(804) 873-8723</b>	AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (oil, solvent, etc)	TCL VOCs	TCL SVOCs	TPH Heavy	TPH Light	<input type="checkbox"/> STANDARD REPORT DELIVERY  <input type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge) Date Due: _____
CLIENT NAME <b>MALCOLM PIRNIE</b>		CLIENT PROJECT MANAGER <b>TONY PACE</b>			N/A	N/A	N/A	N/A	
CLIENT ADDRESS (CITY, STATE, ZIP) <b>Newport News VA 23606</b>									
SAMPLE DATE <b>6/8/95</b>		SL NO.	SAMPLE IDENTIFICATION <b>SS06-300A-01 (USACE Project # E0361)</b>		NUMBER OF CONTAINERS SUBMITTED				REMARKS
					X	1	1	1	1
									UPS No. 0561 2741 191

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE <b>6/8/95</b>	TIME <b>1730</b>	RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE <b>6/8/95</b>	TIME <b>1730</b>	RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE <b>2-9-94</b>	TIME <b>1200</b>
RECEIVED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RECEIVED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RECEIVED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME

LABORATORY USE ONLY						
RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT <input type="checkbox"/> YES <input type="checkbox"/> NO	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:

ORIGINAL



Facsimile Transmittal Header Sheet

U.S. Army Corps  
of Engineers



**ENVIRONMENTAL  
LABORATORY**

Hubbardston MA 01452

DATE: 2-11-95

TO:

Steve Cho

Ext./Bldg.

\_\_\_\_\_

Organization

\_\_\_\_\_

Telecopier No.

410-962-7736

FROM:

Sample Custodian

Number of Pages 3 (including cover sheet)

OUR TELECOPIER NUMBER IS: 508-928-5494

IF YOU DO NOT Receive all pages, please call 508-928-4238.

COMMENTS:

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CENED-ED-GL  
SAMPLE CONTAINER RECEIPT FORM

PROJECT: Fort Story Project #: E0361  
Work Order #: \_\_\_\_\_

Container received on 2-15-95 and inspected on 2-15-95 by: Cheryl Norman

1. Temperature 4.8 °C. Temperature taken on 2-15-95 (date)
2. Shipper \_\_\_\_\_ Shipper # 05612743233  
(USM, UPS, DHL, FEDEX, P/C, AIR EXP, HAND-DELIVERED)
3. Container type (Cooler, box, envelope, etc.) \_\_\_\_\_
4. Were custody seals on outside of container? N/A Yes No  
How many & where: \_\_\_\_\_, seal date: \_\_\_\_\_, seal name: \_\_\_\_\_
5. Were custody papers taped to lid inside container? N/A Yes No
6. Custody papers properly filled out? (ink, signed, etc.) Yes No
7. Was project and project # A-0 PROJECT # identifiable from custody papers? Yes No
8. Did you sign custody papers in appropriate place? Yes No
9. Did you attach shipper's packing form to this form? N/A Yes No
10. Packing material (peanuts, vermiculite, bubble wrap, paper, cans, other)
11. Were all samples sealed in separate plastic bags? N/A Yes No
12. Did all samples arrive in good condition? Yes No
13. Sample labels complete? (#, date, analysis, preservation, sign.) Yes No
14. Were correct sample containers used for tests indicated? N/A Yes No
15. Were correct preservatives used? (TM pH\_\_\_\_, CN- pH\_\_\_\_)  
(TOC pH\_\_\_\_, NUTRIENT pH\_\_\_\_, TOX pH\_\_\_\_, TPH pH\_\_\_\_, OTHER pH\_\_\_\_) N/A Yes No
16. Were VOA vials bubble-free (H<sub>2</sub>O) or no headspace (soil)? N/A Yes No
17. Was sufficient amount of sample sent in each container? Yes No
18. Did all sample labels agree with custody papers? Yes No
19. Were air volumes noted for air samples? N/A Yes No
20. Were initial weights noted for pre-weighed filters? N/A Yes No

Discrepancies: #6 Did not show transfer of Custody to shipper.

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 Phone: (904) 878-3994 Fax: (904) 878-9504  
 Phone: (305) 421-7400 Fax: (305) 421-2584  
 Phone: (205) 666-6633 Fax: (205) 666-6696  
 Phone: (813) 885-7427 Fax: (813) 885-7049  
 Phone: (504) 764-1100 Fax: (504) 725-1163

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE <b>Ft. Story - LARC</b>		PROJECT NO. <b>0205-594</b>	P.O. NUMBER <b>T.P.O. - 002</b>	MATRIX TYPE	REQUIRED ANALYSES				PAGE	OF
PROJECT LOC. (State) <b>VA</b>	SAMPLER(S) NAME <b>S. J. Bishop</b>		PHONE <b>804-673-8700</b>	AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (oil, solvent, etc)	TEL VOCs TEL SVOCs TPH Light TPH Heavy				STANDARD REPORT DELIVERY <input type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge) <input type="checkbox"/> Date Due: _____	
CLIENT NAME <b>Makala Pirnie</b>		CLIENT PROJECT MANAGER <b>A.K. Pace</b>								
CLIENT ADDRESS (CITY, STATE, ZIP) <b>11332 Rock Landing Dr. Newport News, VA 23606</b>										
SAMPLE		SL NO.	SAMPLE IDENTIFICATION		NUMBER OF CONTAINERS SUBMITTED				REMARKS	
DATE	TIME									
<b>2/14/95</b>	<b>0915</b>		<b>SB06-400A-79</b>		<b>X</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	
			<b>USACE Project No. E0361</b>							

RELINQUISHED BY: (SIGNATURE) <b>S. Samuel</b>	DATE <b>1/30</b>	TIME <b>9:10</b>	RELINQUISHED BY: (SIGNATURE) <b>Steve A. Only</b>	DATE <b>2/14/95</b>	TIME <b>1730</b>	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE) <b>Cl. [Signature]</b>	DATE <b>2-15-95</b>	TIME <b>1130</b>

LABORATORY USE ONLY						
RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT <input type="checkbox"/> YES <input type="checkbox"/> NO	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS

ORIGINAL



Facsimile Transmittal Header Sheet

U.S. Army Corps of Engineers



ENVIRONMENTAL LABORATORY

Hubbardston MA 01452

DATE: 2-18-95

TO: Steve Cho

Ext/Bldg. \_\_\_\_\_

Organization \_\_\_\_\_

Telecopier No. (410) 962-7736

FROM: Sample Custodian

Number of Pages 3 (including cover sheet)

OUR TELECOPIER NUMBER IS: 508-928-5494

IF YOU DO NOT Receive all pages, please call 508-928-4238.

COMMENTS:

Multiple horizontal lines for handwritten comments.



CENED-ED-GL  
SAMPLE CONTAINER RECEIPT FORM

PROJECT: Ft. Story

Project #: E030  
Work Order #: \_\_\_\_\_

Container received on 3-7-95 and inspected on 3-8-95 by: Cheryl Cooper

1. Temperature 5.6 °C. Temperature taken on 3-8-95 (date)
2. Shipper \_\_\_\_\_ Shipper # \_\_\_\_\_  
(USM, UPS, DHL, FEDEX, P/C, AIR EXP, HAND-DELIVERED)
3. Container type (Cooler, box, envelope, etc.) \_\_\_\_\_
4. Were custody seals on outside of container? N/A Yes No  
How many & where: \_\_\_\_\_, seal date: \_\_\_\_\_, seal name: \_\_\_\_\_
5. Were custody papers taped to lid inside container? N/A Yes No
6. Custody papers properly filled out? (ink, signed, etc.) Yes No
7. Was project and project # identifiable from custody papers? Yes No
8. Did you sign custody papers in appropriate place? Yes No
9. Did you attach shipper's packing form to this form? N/A Yes No
10. Packing material (peanuts, vermiculite, bubble wrap, paper, cans, other)
11. Were all samples sealed in separate plastic bags? N/A Yes No
12. Did all samples arrive in good condition? Yes No
13. Sample labels complete? (#, <sup>VOA VIALS have nothing written on them</sup> date, analysis, preservation, sign.) Yes No
14. Were correct sample containers used for tests indicated? N/A Yes No
15. Were correct preservatives used? (TM pH\_\_\_\_, CN- pH\_\_\_\_) N/A Yes No  
(TOC pH\_\_\_\_, NUTRIENT pH\_\_\_\_, TOX pH\_\_\_\_, TPH pH\_\_\_\_, OTHER pH\_\_\_\_)
16. Were VOA vials bubble-free (H<sub>2</sub>O) or no headspace (soil)? N/A Yes No
17. Was sufficient amount of sample sent in each container? Yes No
18. Did all sample labels agree with custody papers? Yes No
19. Were air volumes noted for air samples? N/A Yes No
20. Were initial weights noted for pre-weighed filters? N/A Yes No

Discrepancies: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

- 5102 LaRoche Avenue, Savannah, GA 31404
- 2846 Industrial Plaza Drive, Tallahassee, FL 32301
- 414 SW 12th Avenue, Deerfield Beach, FL 33442
- 900 Lakeside Drive, Mobile, AL 36693
- 6712 Benjamin Road, Suite 100, Tampa, FL 33634
- 110 Alpha Drive, Destrehan, LA 70047

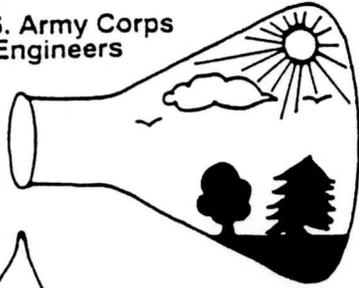
- Phone: (912) 354-7858 Fax: (912) 352-0165
- Phone: (904) 878-3994 Fax: (904) 878-9504
- Phone: (305) 421-7400 Fax: (305) 421-2584
- Phone: (205) 666-6633 Fax: (205) 666-6696
- Phone: (813) 885-7427 Fax: (813) 885-7049
- Phone: (504) 764-1100 Fax: (504) 725-1163

PROJECT REFERENCE <i>Ft. Story LARC</i>		PROJECT NO. <i>0205-589</i>	P.O. NUMBER <i>T.O. 002</i>	MATRIX TYPE	REQUIRED ANALYSES				PAGE	OF	
PROJECT LOC. (State) <i>VA</i>	SAMPLER(S) NAME		PHONE <i>804-823-8200</i>	AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (oil, solvent, etc)	<i>TEL VOCs</i> <i>TEL TPH Light</i> <i>TEL SVOCs</i> <i>TPH Heavy</i>				STANDARD REPORT DELIVERY <input type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge) <input type="checkbox"/> Date Due: _____		
CLIENT NAME <i>Malcolm Pirnie</i>	CLIENT PROJECT MANAGER		FAX								
CLIENT ADDRESS (CITY, STATE, ZIP) <i>11032 Rock Landing Dr. Newport News, VA</i>				<i>TEL VOCs</i> <i>TEL TPH Light</i> <i>TEL SVOCs</i> <i>TPH Heavy</i>				Date Due: _____			
SAMPLE		SL NO.	SAMPLE IDENTIFICATION							NUMBER OF CONTAINERS SUBMITTED	
DATE	TIME										
<i>3/6/95</i>	<i>1120</i>	<i>3011H</i>	<i>G4106-110A</i>		<i>X</i>	<i>3</i>	<i>3</i>	<i>2</i>	<i>2</i>		
			<i>USACE Proj. No. E0361</i>								
					<i>UPS No 0561 2742 912</i> <i>3 3 2 2</i>						
					<i>3/7/95</i>						
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)		DATE	TIME
				<i>[Signature]</i>		<i>3/9/95</i>	<i>1730</i>				
RECEIVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME
				<i>[Signature]</i>				<i>[Signature]</i>		<i>3-9-95</i>	<i>1500</i>
<b>LABORATORY USE ONLY</b>											
RECEIVED FOR LABORATORY BY: (SIGNATURE)		DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:				
				<input type="checkbox"/> YES <input type="checkbox"/> NO							

ORIGINAL



U.S. Army Corps  
of Engineers



**ENVIRONMENTAL  
LABORATORY**

Hubbardston MA 01452

# Fascimile Transmittal Header Sheet

DATE: 3-9-95

TO:

Steve Cho

Ext/Bldg.

Organization

Telecopier No.

(410) 962-7736

FROM:

Sample Custodian

Number of Pages 2 (including cover sheet)

OUR TELECOPIER NUMBER IS: 508-928-5494

IF YOU DO NOT Receive all pages, please call 508-928-4238.

COMMENTS:

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CENED-ED-GL  
SAMPLE CONTAINER RECEIPT FORM

PROJECT: FT. STORV, VA-LARC 60 MAINTENANCE AREA Project #: E 0361  
Work Order #: 95-250

Container received on 3-16-95 and inspected on 3-16-95 by: [Signature]

1. Temperature 6.0 °C. Temperature taken on 3-16-95 (date)
2. Shipper \_\_\_\_\_ Shipper # 0521 2742 841  
(USM, UPS, DHL, FEDEX, P/C, AIR EXP, HAND-DELIVERED)
3. Container type (Cooler, box, envelope, etc.) \_\_\_\_\_
4. Were custody seals on outside of container? N/A Yes No  
How many & where: \_\_\_\_\_, seal date: \_\_\_\_\_, seal name: \_\_\_\_\_
5. Were custody papers taped to lid inside container? N/A Yes No
6. Custody papers properly filled out? (ink, signed, etc.) Yes No
7. Was project and project # identifiable from custody papers? Yes No
8. Did you sign custody papers in appropriate place? Yes No
9. Did you attach shipper's packing form to this form? N/A Yes No
10. Packing material (peanuts, vermiculite, bubble wrap, paper, cans, other)
11. Were all samples sealed in separate plastic bags? N/A Yes No
12. Did all samples arrive in good condition? Yes No
13. Sample labels complete? (#, date, analysis, preservation, sign.) Yes No
14. Were correct sample containers used for tests indicated? N/A Yes No
15. Were correct preservatives used? (TM pH\_\_\_\_, CN- pH\_\_\_\_) N/A Yes No  
(TOC pH\_\_\_\_, NUTRIENT pH\_\_\_\_, TOX pH\_\_\_\_, TPH pH\_\_\_\_, OTHER pH\_\_\_\_)
16. Were VOA vials bubble-free (H<sub>2</sub>O) or no headspace (soil)? N/A Yes No
17. Was sufficient amount of sample sent in each container? Yes No
18. Did all sample labels agree with custody papers? Yes No
19. Were air volumes noted for air samples? N/A Yes No
20. Were initial weights noted for pre-weighed filters? N/A Yes No

Discrepancies: (C) IT IS PREFERABLE IF C-C-C SHOWS THE DIRECT TRANSFER OF CUSTODY TO SHIPPER



# SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

- 5102 LaRoche Avenue, Savannah, GA 31404
- 2846 Industrial Plaza Drive, Tallahassee, FL 32301
- 414 SW 12th Avenue, Deerfield Beach, FL 33442
- 900 Lakeside Drive, Mobile, AL 36693
- 6712 Benjamin Road, Suite 100, Tampa, FL 33634
- 110 Alpha Drive, Destrehan, LA 70047

Phone: (912) 354-7858 Fax: (912) 352-0165  
 Phone: (904) 878-3994 Fax: (904) 878-9504  
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 Phone: (813) 885-7427 Fax: (813) 885-7049  
 Phone: (504) 764-1100 Fax: (504) 725-1163

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE <b>Ft. Story LARC</b>		PROJECT NO. <b>0285-589</b>	P.O. NUMBER <b>T.O. 002</b>	MATRIX TYPE	REQUIRED ANALYSES				PAGE	OF	
PROJECT LOC. (State) <b>VA</b>	SAMPLER(S) NAME <b>Bill Lee</b>		PHONE <b>804-877-8700</b>	AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (oil, solvent, etc)	TCL VOC TPH Light TCL SVOC TPH Heavy TAL CU TAL Metals/Hg	N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A	STANDARD REPORT DELIVERY <input type="checkbox"/>	EXPEDITED REPORT DELIVERY (surcharge) <input type="checkbox"/>
CLIENT NAME <b>Malcolm Pirnie</b>		CLIENT PROJECT MANAGER									
CLIENT ADDRESS (CITY, STATE, ZIP) <b>11832 Oak Landing Dr. Newport News 23606</b>											
SAMPLE		SL NO.	SAMPLE IDENTIFICATION		NUMBER OF CONTAINERS SUBMITTED				REMARKS		
DATE	TIME										
<b>3/15/95</b>	<b>09:15</b>		<b>SB06-007A-45</b>	<input checked="" type="checkbox"/>	1	1	1	1			
<b>3/15/95</b>	<b>09:50</b>		<b>SB06-020A-45</b>	<input checked="" type="checkbox"/>	1	1	1	1			
<b>USACE Project No. E0361</b>											
<b>UPS No. 0561 2742 841</b>											
<b>2 2 2 2 1 1</b>											
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)		DATE	TIME
				<b>Seth...</b>		<b>3/15/95</b>	<b>12:00</b>				
RECEIVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME
								<b>[Signature]</b>		<b>3-16-95</b>	<b>1130</b>
<b>LABORATORY USE ONLY</b>											
RECEIVED FOR LABORATORY BY: (SIGNATURE)		DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:				
				<input type="checkbox"/> YES <input type="checkbox"/> NO							

30176  
30177

ORIGINAL

RECORD OF TRANSMITTAL

CENED-ED-GL

14 July 1995

FOR Project Engineer, U.S. Army Engineer District, Baltimore  
P.O. Box 1715  
Baltimore, MD 21203-1715  
ATTN: CENAB-EN-HM (Steven Cho)

SUBJECT: Fort Story Auto Craft Building Area, Fort Story, VA,  
Chemical Quality Assurance Report (CQAR)

1. References:

- a. MIPR No. E87950056
- b. Data Report, Malcolm Pirnie, Inc., dated  
8 June 1995, recv'd. 9 June 1995.
- c. Memorandum, CEMRD-ED-GC, 16 Aug 1989, Subject: Minimum  
Chemistry Data Reporting Requirements for DERP and Superfund HTW  
Projects.

2. QA samples from two shipments were analyzed, resulting in a total of 236 target analyte determinations. In 53 of these determinations analytes were detected by either one or both laboratories. Results from analysis of QA samples were compared with results from analysis of the corresponding primary samples (ref 1b). Results of the comparison are as follows:

- a. The primary laboratory was Savannah Laboratories & Environmental Services, Inc., Savannah, GA.
- b. Results from the primary and QA samples agreed overall in 231 (98%) of the comparisons.
- c. Results from the primary and QA samples agreed quantitatively in 48 out of 53 or (90%) of the comparisons. Quantitative agreement represents only those determinations where an analyte was detected by at least one laboratory.
- d. There was 1 (0.4%) major discrepancy between results from the primary and QA samples.
- e. There were minor discrepancies in 4 (1.7%) of the comparisons.

3. QA analyses were performed at the NED Environmental Laboratory, E3I, Somerville, MA and Quanterra, Sacramento, CA.

4. The CENED-ED-GL POC is David Lubianez, 508-928-4238.

Encl

CF (w/encl):  
CEMP-RT Larry Becker  
CEMRD-ED-EC Anand Mudambi

Quality Assurance Split Sample  
Data Comparison Summary

Project: Fort Story Auto Craft Building Area,  
Fort Story, VA

Test Parameter	Overall Agreement (1)		Quantitative Agreement (2)	
	Number	Percent	Number	Percent
VOA	57/58	98	4/5	80
BNA	124/126	98	15/17	88
Metals	45/46	98	28/29	96
TPH (GRO)	2/2	100	N/A	N/A
TPH (DRO)	1/2	50	1/2	50
Cyanide	2/2	100	N/A	N/A
<b>Total</b>	<b>231/236</b>	<b>98</b>	<b>48/53</b>	<b>90</b>

NOTES:

- (1) Represents the number and percentage agreement of all determinations including analytes not detected by either laboratory.
- (2) Represents the number and percentage agreement of only those determinations where an analyte was detected by at least one laboratory.

ANALYSES PERFORMED BY QA LABORATORY

<u>SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLE DATE</u>	<u>ANALYSIS</u>
SB07-100A-57	SOIL	2/9/95	VOA, BNA, TPH(DRO), TPH(GRO)
SB07-400A-24	SOIL	2/8/95	TAL MET., CN
GW07-500A	WATER	2/24/95	VOA, TPH(DRO), TPH(GRO), BNA
GW07-500A-T	WATER	2/24/95	TAL MET., CN

## QA Findings

(Fort Story Autocraft, Fort Story, VA, MIPR No. E87950056)

### 1. QA sample shipping and chain-of-custody deficiencies.

Four shipments of QA samples were received on 2/13/95 and 2/27/95. Proper sample handling protocols were mostly followed except that improperly made corrections on the custody document were noted for the 2/13/95 shipment and no custody seals were present on the outside of the shipping container for the 2/27/95 shipment.

Chain of custody documents and cooler receipt forms are appended to this report for reference.

### 2. Data comparison for volatiles.

There were 58 VOA determinations. In 5 of these determinations VOCs were detected by at least one laboratory. There was an overall agreement in 57 (98%) of the cases and quantitative in 4 out of 5 or 80%. Disagreement was due to one minor data discrepancy. No major discrepancies were noted.

### 3. Data comparison for semivolatiles.

There were 126 semivolatile determinations. In 17 of these determinations semivolatile compounds were detected by at least one laboratory. There was overall agreement in 124 (98%) of the cases and quantitative agreement in 15 out of 17 or 88%. Disagreement was due to two minor data discrepancies. No major discrepancies were noted.

### 4. Data comparison for trace metals.

There were 46 analyte determinations. In 29 of these determinations metals were detected by at least one laboratory. There was overall agreement in 45 (98%) of the cases and quantitative agreement in 28 out of 29 or 96%. Disagreement was due to one minor data discrepancy. No major discrepancies were noted.

### 5. Data comparison for cyanide.

There were 2 cyanide determinations which agreed 100% in that no cyanide was detected by either lab.

### 6. Data comparison for total petroleum hydrocarbons gasoline range organics.

There were 2 TPH (GRO) determinations which agreed 100% in that no gas range organics were detected by either lab.

7. Data comparison for total petroleum hydrocarbons diesel range organics.

There were 7 TPH (DRO) determinations. In both of these determinations DRO was detected by at least one laboratory. There was overall and quantitative agreement in 1 (50%) of the cases. Disagreement was due to one minor data discrepancy. No major data discrepancies were noted.

8. Comments.

Contractor's data report was not in compliance with the Minimum Chemistry Data Reporting Requirements as information about sample receipt and results of quality control samples were not contained in the report to the QA lab.

Contractor's method reference for thallium was incorrect. It should be 7841 not 7481. Preparation and digestion methods were noted reported in the contractor's data package.

Savannah Laboratories at the Savannah, GA location is not listed on the list of Corps validated laboratories. Other Savannah Laboratories are listed, however, the header on the data sheets of the contractor's report indicates the Savannah, GA location.

**APPENDIX A**

Analytical Methods

Test Parameter	QA lab	Primary Lab
VOA	8260A	8240
BNA	3540/3510/8270	8270
TPH	8015M	8015M
Metals	6010	6010
except:		
arsenic	3051/3015 7060	7060
lead	3051/3015/7421	7421
selenium	3051/3015/7740	7740
thallium	3051/3015/7841	7841
mercury	7471/7470	7471/7470
cyanide	9012	9010

**APPENDIX B**  
**KEY TO COMMENTS ON DATA COMPARISON TABLES**

0 - Data agrees if any one of the following apply:

- both values are less than respective detection limit ( $N < MDL$ )
- $N_1 < MDL_1$ , and  $N_2 > MDL_2$ , but  $< MDL_1$
- both values are above respective detection limit ( $N > MDL$ ) and difference between two values satisfies conditions below

Metals                    <2x difference for waters, TCLP extracts  
                         <3x difference for airs  
                         <10x difference for solids and oils

Semivolatiles         <5x difference for all matrices  
Volatiles  
TPH, BTEX

Pesticides             <5x difference for liquids  
Herbicides             <10x difference for solids  
PCB's                   <5x difference for airs

Alkalinity             <2x difference for all matrices  
Hardness, Ammonia  
(water quality, etc.)

- 1 - Minor contamination by laboratory contaminant
- 2 - Not tested by both laboratories
- 3 - Minor data discrepancy, disagreement not serious, if any one of the following apply:

- $N_1 < MDL_1$ , and  $N_2 > MDL_2$ , and the difference between values  $N_2$  and  $MDL_1$ , does not exceed the upper limit (described below) defining a minor data discrepancy
- both values are above respective detection limit ( $N > MDL$ ) and conditions described below apply to the difference between the two values

Metals                    2x < difference < 5x for waters, TCLP extracts  
                         10x < difference < 20x for solids, oils  
                         3x < difference < 5x for airs

Semivolatiles,         5x < difference < 10x for all matrices  
VOA, TPH, BTEX

Pesticide/PCB         5x < difference < 10x for liquids  
Herbicides             10x < difference < 20x for solids

Alkalinity             2x < difference < 5x for all matrices  
Hardness, Ammonia  
(water quality, etc.)

4 - Major data discrepancy, disagreement serious, if any one of the following apply:

- $N_1 < MDL_1$  and  $N_2 > MDL_2$ , and the difference between values  $N_2$  and  $MDL_1$  exceeds the limit (described below) defining a major data discrepancy
- both values are above respective detection limit ( $N > MDL$ ) and conditions described below apply to the difference between the two values

Metals >5x difference for waters, TCLP extracts, airs  
>20x difference for solids, oils

Semivolatiles, >10x difference for all matrices  
VOA, TPH, BTEX

Pesticide/PCB >10x difference for liquids  
Herbicides >20x difference for solids

Alkalinity >5x difference for all matrices  
Hardness, Ammonia  
(water quality, etc.)

MDL = Method Detection Limit  
N = Analytical result

Key to data qualifiers:

- B - detected in method blank
- J - estimated value, above MDL but below practical quantitation limit
- NR - Not reported

COMPARISON OF QA & CONTRACTOR RESULTS

PROJECT: FORT STORY, VA - AUTO CRAFT BUILDING AREA

QA SAMPLE NO.: 29929  
 QA FIELD ID: SB07-100A-57  
 QA ANALYSIS DATE: 02/14/95

CONTRACTOR'S SAMPLE NO.: 50741-1  
 CONTRACTOR'S FIELD ID: SB07-001-57  
 CONTRACTOR'S ANALYSIS DATE: 02/16/95

MATERIAL DESCRIPTION: SOIL  
 DATE SAMPLED: 02/09/95  
 UNITS: ng/g

PARAMETER	RESULTS		RESULTS		COMPARISON CODE
	QA LAB MDL	QA LAB	CONTRACTOR MDL	CONTRACTOR	
Dichlorodifluoromethane	< 8.8			NA	2
Chloromethane	< 2.5		< 10		0
Vinyl chloride	< 1.6		< 10		0
Bromomethane	< 3.2		< 10		0
Chloroethane	< 2.3		< 10		0
Trichlorofluoromethane	< 1.3			NA	2
1,1-Dichloroethene	< 2.0		< 5.2		0
Dichloromethane (MeC12)	< 2.3		< 5.2		0
trans-1,2-Dichloroethane	< 2.1		< 5.2		0
1,1-Dichloroethane	< 1.6		< 5.2		0
2,2-Dichloropropane	< 6.1			NA	2
cis 1,2-Dichloroethane	< 1.9		< 5.2		0
Chloroform	< 1.9		< 5.2		0
Bromochloromethane	< 2.6			NA	2
1,1,1-Trichloroethane	< 2.8		< 5.2		0
1,1-Dichloropropane	< 1.9			NA	2
Carbon Tetrachloride	< 2.6		< 5.2		0
1,2-Dichloroethane	< 3.6		< 5.2		0
Benzene	< 2.6		< 5.2		0
Trichloroethene	< 2.6		< 5.2		0
1,2-Dichloropropane	< 2.1		< 5.2		0
Bromodichloromethane	< 2.3		< 5.2		0
Dibromomethane	< 3.5			NA	2
cis 1,3-Dichloro,1-propene	< 2.9		< 5.2		0
Toluene	< 2.2	J 7.0	< 5.2		3
trans 1,3-Dichloro,1-propene	< 4.2		< 5.2		0
1,1,2-Trichloroethane	< 4.3		< 5.2		0
1,2-Dibromoethane	< 4.3			NA	2
1,3-Dichloropropane	< 3.2			NA	2
Tetrachloroethane	< 1.8		< 5.2		0
Dibromochloromethane	< 2.7		< 5.2		0
Chlorobenzene	< 1.6		< 5.2		0
1,1,1,2-Trichloroethane	< 1.8			NA	2
Ethylbenzene	< 1.6	J 1.6	< 5.2		0
Total Xylene	< 2.3	16	< 5.2		3
Styrene	< 1.6	J 4.8	< 5.2		0
Bromoform	< 3.9		< 5.2		0
Isopropylbenzene	< 1.8			NA	2

COMPARISON OF QA & CONTRACTOR RESULTS

PAGE 2 OF 2

PROJECT: FORT STORY, VA - AUTO CRAFT BUILDING AREA

QA SAMPLE NO.: 29929

CONTRACTOR'S SAMPLE NO.: 50741-1

PARAMETER	RESULTS		CONTRACTOR MDL	RESULTS		COMPARISON CODE
	QA LAB MDL	QA LAB		CONTRACTOR	CONTRACTOR	
1,1,2,2-Tetrachloroethane	< 5.9		< 5.2			0
1,2,3-Trichloropropane	< 3.2			NA		2
n-Propylbenzene	< 1.6			NA		2
Bromobenzene	< 1.9			NA		2
1,3,5-Trimethylbenzene	< 1.8			NA		2
2-Chlorotoluene	< 2.0			NA		2
4-Chlorotoluene	< 1.4			NA		2
tert-Butylbenzene	< 1.9			NA		2
1,2,4-Trimethylbenzene	< 1.6			NA		2
sec-Butylbenzene	< 1.6			NA		2
p-Isopropyltoluene	< 1.6			NA		2
1,3-Dichlorobenzene	< 1.6			NA		2
1,4-Dichlorobenzene	< 1.8			NA		2
n-Butylbenzene	< 1.8			NA		2
1,2-Dichlorobenzene	< 1.9			NA		2
1,2-Dibromo-3-chloropropane	< 4.1			NA		2
1,2,4-Trichlorobenzene	< 2.2			NA		2
Hexachlorobutadiene	< 2.1			NA		2
Naphthalene	< 3.2	J 8.2		NA		2
1,2,3-Trichlorobenzene	< 2.8			NA		2

SURROGATE RECOVERIES (%)

	QA	CONTRACTOR
Dibromofluoromethane (80-120)	91	100
Toluene D8 (88-110)	*82	99
4-Bromofluorobenzene (86-115)	*52	97

\* = SURROGATE RECOVERY OUTSIDE ACCEPTABLE RANGE

SEE APPENDIX B FOR KEY TO COMMENTS

COMPARISON OF QA & CONTRACTOR RESULTS

PROJECT: FORT STORY, VA - AUTO CRAFT BUILDING AREA

QA SAMPLE NO.: 30063  
 QA FIELD ID: GW07-500A  
 QA ANALYSIS DATE: 03/13/95

CONTRACTOR'S SAMPLE NO.: 51056-1  
 CONTRACTOR'S FIELD ID: GW07-005  
 CONTRACTOR'S ANALYSIS DATE: 03/02/95

MATERIAL DESCRIPTION: WATER  
 DATE SAMPLED: 02/24/95  
 UNITS: ug/L

PARAMETER	RESULTS		CONTRACTOR MDL	RESULTS		COMPARISON CODE
	QA LAB MDL	QA LAB		CONTRACTOR	CONTRACTOR	
Dichlorodifluoromethane	< 7.5			NA		2
Chloromethane	< 2.1		< 10			0
Vinyl chloride	< 1.4		< 10			0
Bromomethane	< 2.7		< 10			0
Chloroethane	< 2.0		< 10			0
Trichlorofluoromethane	< 1.1			NA		2
1,1-Dichloroethane	< 1.7		< 5.0			0
Dichloromethane (MeCl2)	< 2.0	B 3.9	< 5.0			1
trans-1,2-Dichloroethane	< 1.8		< 5.0			0
1,1-Dichloroethane	< 1.4		< 5.0			0
2,2-Dichloropropane	< 5.2			NA		2
cis 1,2-Dichloroethane	< 1.6		< 5.0			0
Chloroform	< 1.6		< 5.0			0
Bromochloromethane	< 2.2			NA		2
1,1,1-Trichloroethane	< 2.4		< 5.0			0
1,1-Dichloropropene	< 1.6			NA		2
Carbon Tetrachloride	< 2.2		< 5.0			0
1,2-Dichloroethane	< 3.1		< 5.0			0
Benzene	< 2.2		< 5.0			0
Trichloroethane	< 2.2		< 5.0			0
1,2-Dichloropropane	< 1.8		< 5.0			0
Bromodichloromethane	< 2.0		< 5.0			0
Dibromomethane	< 3.0			NA		2
cis 1,3-Dichloro,1-propene	< 2.5		< 5.0			0
Toluene	< 1.9		< 5.0			0
trans 1,3-Dichloro,1-propene	< 3.6		< 5.0			0
1,1,2-Trichloroethane	< 3.7		< 5.0			0
1,2-Dibromoethane	< 3.7			NA		2
1,3-Dichloropropane	< 2.7			NA		2
Tetrachloroethane	< 1.5		< 5.0			0
Dibromochloromethane	< 2.3		< 5.0			0
Chlorobenzene	< 1.4		< 5.0			0
1,1,1,2-Trichloroethane	< 1.5			NA		2
Ethylbenzene	< 1.4		< 5.0			0
Total Xylene	< 2.0		< 5.0			0
Styrene	< 1.4		< 5.0			0
Bromoform	< 3.3		< 5.0			0
Isopropylbenzene	< 1.5			NA		2

PROJECT: FORT STORY, VA - AUTO CRAFT BUILDING AREA

QA SAMPLE NO.: 30063

CONTRACTOR'S SAMPLE NO.: 51056-1

PARAMETER	RESULTS		RESULTS		COMPARISON CODE
	QA LAB MDL	QA LAB	CONTRACTOR MDL	CONTRACTOR	
1,1,2,2-Tetrachloroethane	< 5.0		< 5.0		0
1,2,3-Trichloropropane	< 2.7			NA	2
n-Propylbenzene	< 1.4			NA	2
Bromobenzene	< 1.6			NA	2
1,3,5-Trimethylbenzene	< 1.5			NA	2
2-Chlorotoluene	< 1.7			NA	2
4-Chlorotoluene	< 1.2			NA	2
tert-Butylbenzene	< 1.6			NA	2
1,2,4-Trimethylbenzene	< 1.4			NA	2
sec-Butylbenzene	< 1.4			NA	2
p-Isopropyltoluene	< 1.4			NA	2
1,3-Dichlorobenzene	< 1.4			NA	2
1,4-Dichlorobenzene	< 1.5			NA	2
n-Butylbenzene	< 1.5			NA	2
1,2-Dichlorobenzene	< 1.6			NA	2
1,2-Dibromo-3-chloropropane	< 3.5			NA	2
1,2,4-Trichlorobenzene	< 1.9			NA	2
Hexachlorobutadiene	< 1.8			NA	2
Naphthalene	< 2.7			NA	2
1,2,3-Trichlorobenzene	< 2.4			NA	2

## SURROGATE RECOVERIES (%)

	QA	CONTRACTOR
Dibromofluoromethane	74	109
Toluene D8 (88-110)	96	103
4-Bromofluorobenzene (86-115)	*69	*120

\* = SURROGATE RECOVERY OUTSIDE ACCEPTABLE RANGE

SEE APPENDIX B FOR KEY TO COMMENTS

## COMPARISON OF QA &amp; CONTRACTOR RESULTS

PAGE 1 OF 2

PROJECT: FORT STORY, VA - AUTO CRAFT BUILDING AREA

QA SAMPLE NO.: 29929  
 QA FIELD ID: SB07-100A-57  
 QA ANALYSIS DATE: 03/12/95

CONTRACTOR'S SAMPLE NO.: 50741-1  
 CONTRACTOR'S FIELD ID: SB07-001-57  
 CONTRACTOR'S ANALYSIS DATE: 02/22/95

MATERIAL DESCRIPTION: SOIL

DATE SAMPLED: 02/09/95

UNITS: ug/kg

PARAMETER	RESULTS		RESULTS		COMPARISON CODE
	QA LAB MDL	QA LAB	CONTRACTOR MDL	CONTRACTOR	
Phenol	< 690		< 340		0
Bis(2-chloroethyl)ether	< 690		< 340		0
2-Chlorophenol	< 690		< 340		0
1,3-Dichlorobenzene	< 690		< 340		0
1,4-Dichlorobenzene	< 690		< 340		0
1,2-Dichlorobenzene	< 690		< 340		0
2-Methylphenol	< 690		< 340		0
Bis(2-chloroisopropyl)ether	< 690		< 340		0
4-Methylphenol	< 690		< 340		0
N-Nitroso-di-n-propylamine	< 690		< 340		0
Hexachloroethane	< 690		< 340		0
Nitrobenzene	< 690		< 340		0
Isophorone	< 690		< 340		0
2-Nitrophenol	< 690		< 340		0
2,4-Dimethylphenol	< 690		< 340		0
Bis(2-chloroethoxy)methane	< 690		< 340		0
2,4-Dichlorophenol	< 1700		< 340		0
1,2,4-Trichlorobenzene	< 690		< 340		0
Naphthalene	< 690		< 340		0
4-Chloroaniline	< 690		< 690		0
Hexachlorobutadiene	< 690		< 340		0
4-Chloro-3-methylphenol	< 690		< 340		0
2-Methylnapthalene	< 690		< 340		0
Hexachlorocyclopentadiene	< 690		< 340		0
2,4,6-Trichlorophenol	< 690		< 340		0
2,4,5-Trichlorophenol	< 1700		< 340		0
2-Chloronapthalene	< 690		< 340		0
2-Nitroaniline	< 1700		< 1800		0
Dimethylphthalate	< 690		< 340		0
Acenaphthylene	< 690	J 400	< 340		3
3-Nitroaniline	< 1700		< 1800		0
Acenaphthene	< 690	J 70	< 340		0
2,4-Dinitrophenol	< 1700		< 1800		0
4-Nitrophenol	< 1700		< 1800		0
Dibenzofuran	< 690		< 340		0
2,6-Dinitrotoluene	< 690		< 340		0

PROJECT: FORT STORY, VA - AUTO CRAFT BUILDING AREA

QA SAMPLE NO.: 29929

CONTRACTOR'S SAMPLE NO.: 50741-1

PARAMETER	RESULTS		RESULTS		COMPARISON CODE
	QA LAB MDL	QA LAB	CONTRACTOR MDL	CONTRACTOR	
2,4-Dinitrotoluene	< 690		< 340		0
Diethylphthalate	< 690		< 340		0
4-Chlorophenyl-phenylether	< 690		< 340		0
Fluorene	< 690	J 65	< 340		0
4-Nitroaniline	< 1700		< 1800		0
4,6-Dinitro-2-methylphenol	< 1700		< 1800		0
N-Nitrosodiphenylamine	< 690		< 340		0
4-Bromophenyl-phenylether	< 690		< 340		0
Hexachlorobenzene	< 690		< 340		0
Pentachlorophenol	< 1700		< 1180		0
Phenanthrene	< 690	J 420		890	0
Anthracene	< 690	J 250	< 340		0
Di-n-butylphthalate	< 690		< 340		0
Fluoranthene	< 690	760		900	0
Pyrene	< 690	1600		1300	0
Butylbenzylphthalate	< 690		< 340		0
3,3-Dichlorobenzidine	< 690		< 690		0
Benzo (a) anthracene	< 690	J 620		360	0
Bis (2ethylhexyl) phthalate	< 690		< 340		0
Chrysene	< 690	J 520		400	0
Di-n-octyl phthalate	< 690		< 340		0
Benzo (b) fluoranthene	< 690	1100		480	0
Benzo (k) fluoranthene	< 690	770	< 340		3
Benzo (a) pyrene	< 690	940		420	0
Indeno (1,2,3-cd) pyrene	< 690	J 260	< 340		0
Dibenz (a,h) anthracene	< 690	J 130	< 340		0
Benzo (g,h,i) perylene	< 690	J 230	< 340		0
Carbazole	< 690			NA	2

## SURROGATE RECOVERIES (%)

	QA	CONTRACTOR
2-Fluorophenol	71	70
Phenol-d6	73	84
Nitrobenzene-d5	75	77
2-Fluorobiphenyl	87	79
2,4,6-Tribromophenol	79	47
Terphenyl-d14	73	93
1,2-Dichlorobenzene-d4	77	NR
2-Chlorophenol-d4	75	NR

\* - SURROGATE RECOVERY OUTSIDE ACCEPTABLE RANGE

SEE APPENDIX B FOR KEY TO COMMENTS

## COMPARISON OF QA &amp; CONTRACTOR RESULTS

PAGE 1 OF 2

PROJECT: FORT STORY, VA - AUTO CRAFT BUILDING AREA

QA SAMPLE NO.: 30063  
 QA FIELD ID: GW07-500A  
 QA ANALYSIS DATE: 03/07/95

CONTRACTOR'S SAMPLE NO.: 51056-1  
 CONTRACTOR'S FIELD ID: GW07-005  
 CONTRACTOR'S ANALYSIS DATE: 03/02/95

MATERIAL DESCRIPTION: WATER  
 DATE SAMPLED: 02/24/95  
 UNITS: ug/L

PARAMETER	RESULTS		RESULTS		COMPARISON CODE
	QA LAB MDL	QA LAB	CONTRACTOR MDL	CONTRACTOR	
Phenol	< 10		< 10		0
Bis(2-chloroethyl) ether	< 10		< 10		0
2-Chlorophenol	< 10		< 10		0
1,3-Dichlorobenzene	< 10		< 10		0
1,4-Dichlorobenzene	< 10		< 10		0
1,2-Dichlorobenzene	< 10		< 10		0
2-Methylphenol	< 10		< 10		0
Bis(2-chloroisopropyl) ether	< 10		< 10		0
4-Methylphenol	< 10		< 10		0
N-Nitroso-di-n-propylamine	< 10		< 10		0
Hexachloroethane	< 10		< 10		0
Nitrobenzene	< 10		< 10		0
Isophorone	< 10		< 10		0
2-Nitrophenol	< 10		< 10		0
2,4-Dimethylphenol	< 10		< 10		0
Bis(2-chloroethoxy) methane	< 10		< 10		0
2,4-Dichlorophenol	< 25		< 10		0
1,2,4-Trichlorobenzene	< 10		< 10		0
Naphthalene	< 10		< 10		0
4-Chloroaniline	< 10		< 20		0
Hexachlorobutadiene	< 10		< 10		0
4-Chloro-3-methylphenol	< 10		< 10		0
2-Methylnaphthalene	< 10		< 10		0
Hexachlorocyclopentadiene	< 10		< 10		0
2,4,6-Trichlorophenol	< 10		< 10		0
2,4,5-Trichlorophenol	< 25		< 10		0
2-Chloronaphthalene	< 10		< 10		0
2-Nitroaniline	< 25		< 50		0
Dimethylphthalate	< 10		< 10		0
Acenaphthylene	< 10		< 10		0
3-Nitroaniline	< 25		< 50		0
Acenaphthene	< 10		< 10		0
2,4-Dinitrophenol	< 25		< 50		0
4-Nitrophenol	< 25		< 50		0
Dibenzofuran	< 10		< 10		0
2,6-Dinitrotoluene	< 10		< 10		0

PROJECT: FORT STORY, VA - AUTO CRAFT BUILDING AREA

QA SAMPLE NO.: 30063

CONTRACTOR'S SAMPLE NO.: 51056-1

PARAMETER	RESULTS		CONTRACTOR MDL	RESULTS		COMPARISON CODE
	QA LAB MDL	QA LAB		CONTRACTOR	CONTRACTOR	
2,4-Dinitrotoluene	< 10		< 10			0
Diethylphthalate	< 10		< 10			0
4-Chlorophenyl-phenylether	< 10		< 10			0
Fluorene	< 10		< 10			0
4-Nitroaniline	< 25		< 50			0
4,6-Dinitro-2-methylphenol	< 25		< 50			0
N-Nitrosodiphenylamine	< 10		< 10			0
4-Bromophenyl-phenylether	< 10		< 10			0
Hexachlorobenzene	< 10		< 10			0
Pentachlorophenol	< 25		< 50			0
Phenanthrene	< 10		< 10			0
Anthracene	< 10		< 10			0
Di-n-butylphthalate	< 10	B, J 5.0	< 10			1
Fluoranthene	< 10		< 10			0
Pyrene	< 10		< 10			0
Butylbenzylphthalate	< 10		< 10			0
3,3-Dichlorobenzidine	< 10		< 20			0
Benzo (a) anthracene	< 10		< 10			0
Bis (2ethylhexyl)phthalate	< 10	J 8.0	< 10			0
Chrysene	< 10		< 10			0
Di-n-octyl phthalate	< 10		< 10			0
Benzo (b) fluoranthene	< 10		< 10			0
Benzo (k) fluoranthene	< 10		< 10			0
Benzo (a) pyrene	< 10		< 10			0
Indeno (1,2,3-cd) pyrene	< 10		< 10			0
Dibenz (a,h) anthracene	< 10		< 10			0
Benzo (g,h,i) perylene	< 10		< 10			0
Carbazole	< 10			NA		2

## SURROGATE RECOVERIES (%)

	QA	CONTRACTOR
2-Fluorophenol	51	65
Phenol-d6	70	82
Nitrobenzene-d5	66	73
2-Fluorobiphenyl	75	87
2,4,6-Tribromophenol	72	88
Terphenyl-d14	48	73
1,2-Dichlorobenzene-d4	76	NR
2-Chlorophenol-d4	64	NR

\* - SURROGATE RECOVERY OUTSIDE ACCEPTABLE RANGE

SEE APPENDIX B FOR KEY TO COMMENTS

COMPARISON OF QA & CONTRACTOR RESULTS

PROJECT: FORT STORY, VA - AUTO CRAFT BUILDING AREA

QA SAMPLE NO.: 29930  
QA FIELD ID: SB07-400A-24

CONTRACTOR'S SAMPLE NO.: 50732-1  
CONTRACTOR'S FIELD ID: SB07-004-24

MATERIAL DESCRIPTION: SOIL  
DATE SAMPLED: 02/08/95  
UNITS: ug/g

PARAMETER	RESULTS		CONTRACTOR MDL	RESULTS		COMPARISON CODE
	QA LAB MDL	QA LAB		CONTRACTOR	CONTRACTOR	
Silver	< 0.31		< 1.0			0
Aluminum		940		810		0
Arsenic		1.4		1.5		0
Barium		6.6		7.9		0
Beryllium		0.058	< 0.52			0
Calcium		200		190		0
Cadmium		J 0.18	< 0.52			0
Cobalt		J 0.79	< 1.0			0
Chromium		J 4.1		2.7		0
Copper		2.5		5.0		0
Iron		2200		2100		0
Potassium		180		180		0
Magnesium		220		230		0
Manganese		23		25		0
Mercury		0.10	< 0.010			3
Sodium		20	< 52			0
Nickel		1.1	< 4.2			0
Lead		10		11		0
Antimony	< 3.70		< 5.2			0
Selenium	< 0.41		< 1.0			0
Thallium	< 0.17		< 1.0			0
Vanadium		4.4		3.0		0
Zinc		13		14		0

SEE APPENDIX B FOR KEY TO COMMENTS

## COMPARISON OF QA &amp; CONTRACTOR RESULTS

PROJECT: FORT STORY, VA - AUTO CRAFT BUILDING AREA

QA SAMPLE NO.: 30064  
QA FIELD ID: GW07-500A-TCONTRACTOR'S SAMPLE NO.: 51056-6  
CONTRACTOR'S FIELD ID: GW07-005TMATERIAL DESCRIPTION: WATER  
DATE SAMPLED: 02/24/95  
UNITS: ug/ml

PARAMETER	RESULTS		RESULTS		COMPARISON CODE
	QA LAB MDL	QA LAB	CONTRACTOR MDL	CONTRACTOR	
Silver	< 0.0057		< 0.010		0
Aluminum		0.63		0.61	0
Arsenic		0.0056	< 0.010		0
Barium		0.0065		0.012	0
Beryllium	< 0.0005		< 0.0050		0
Calcium		18		17	0
Cadmium	< 0.0018		< 0.0050		0
Cobalt	< 0.0072		< 0.010		0
Chromium	< 0.0120		< 0.010		0
Copper	< 0.0083		< 0.025		0
Iron		1.4		1.6	0
Potassium		3.5		3.1	0
Magnesium		2.8		2.8	0
Manganese		0.023		0.024	0
Mercury	< 0.0002		< 0.0002		0
Sodium		12		11	0
Nickel	< 0.0065		< 0.040		0
Lead	< 0.0020		< 0.0050		0
Antimony	< 0.0680		< 0.050		0
Selenium	< 0.0030		< 0.010		0
Thallium	< 0.0020		< 0.010		0
Vanadium	< 0.011		< 0.010		0
Zinc		0.0084	< 0.020		0

SEE APPENDIX B FOR KEY TO COMMENTS

COMPARISON OF QA AND CONTRACTOR RESULTS

PROJECT: FORT STORY, VA AUTO CRAFT BUILDING AREA

ANALYSIS PERFORMED: CYANIDE

UNITS: mg/kg or ug/L

* SAMPLE DATE	* SAMPLE MATRIX	* CONTRACTOR SAMPLE NO.	* CONTRACTOR FIELD ID	* ENV. LAB NO.	* QA FIELD ID	* CONTRACTOR RESULTS	* QA LAB RESULTS	* C *
* 02/08/95	* SOIL	* 50732-1	* SB07-004-24	* 29930	* SB07-400A-24	* < 1.0	* < 0.30	* 0 *
* 02/24/95	* WATER	* 51056-6	* GW07-005-T	* 30064	* GW07-500A-T	* < 10	* < 5.0	* 0 *

COMPARISON OF QA AND CONTRACTOR RESULTS

PROJECT: FORT STORY VA, AUTO CRAFT BUILDING AREA

ANALYSIS PERFORMED: TOTAL PETROLEUM HYDROCARBONS - GRO  
 UNITS: mg/Kg or ug/L

* SAMPLE DATE	SAMPLE MATRIX	CONTRACTOR SAMPLE NO.	CONTRACTOR FIELD ID	ENV. LAB NO.	QA FIELD ID	CONTRACTOR RESULTS	QA LAB RESULTS	C
* 02/09/95	SOIL	50741-1	SB07-001-57	29929	SB07-100A-57	< 0.26	< 1.0	0
* 02/24/95	WATER	51056-1	GW07-005	30063	GW07-500A	< 50	< 50	0

COMPARISON OF QA AND CONTRACTOR RESULTS

PROJECT: FORT STORY, VA AUTO CRAFT BUILDING AREA

ANALYSIS PERFORMED: TOTAL PETROLEUM HYDROCARBONS - DRO

UNITS: mg/kg or ug/L

* SAMPLE DATE	* SAMPLE MATRIX	* CONTRACTOR SAMPLE NO.	* CONTRACTOR FIELD ID	* ENV. LAB NO.	* QA FIELD ID	* CONTRACTOR RESULTS	* QA LAB RESULTS	* C
* 02/09/95	* SOIL	* 50741-1	* SB07-001-57	* 29929	* SB07-100A-57	* 160	* 20	* 3
* 02/24/95	* WATER	* 51056-1	* GW07-005	* 30063	* GW07-500A	* < 1000	* 33	* 0







**SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.**

**ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD**

- 5102 LaRoche Avenue, Savannah, GA 31404
- 2846 Industrial Plaza Drive, Tallahassee, FL 32301
- 414 SW 12th Avenue, Deerfield Beach, FL 33442
- 900 Lakeside Drive, Mobile, AL 36693
- 6712 Benjamin Road, Suite 100, Tampa, FL 33634
- 110 Alpha Drive, Destrehan, LA 70047

Phone: (912) 354-7858 Fax: (912) 352-0165  
 Phone: (904) 878-3994 Fax: (904) 878-9504  
 Phone: (305) 421-7400 Fax: (305) 421-2584  
 Phone: (205) 666-6633 Fax: (205) 666-6696  
 Phone: (813) 885-7427 Fax: (813) 885-7049  
 Phone: (504) 764-1100 Fax: (504) 725-1163

PROJECT REFERENCE <i>Ft. Story Auto Craft</i>		PROJECT NO. <i>0285-910</i>	P.O. NUMBER <i>T.O. 003</i>	MATRIX TYPE	REQUIRED ANALYSES				PAGE	OF	
PROJECT LOC (State) <i>VA</i>	SAMPLER(S) NAME <i>S.A. Bailey</i>	PHONE <i>804-873-0700</i>		AQUEOUS (WATER) SOLID OR SEMISOLID AIR NON-AQUEOUS LIQUID (oil, solvent, etc)	TCL VOL TPH LIGHT TAL VCN TAL METALS TAL Hg TPH HEAVY TCL SVOCs	<input type="checkbox"/> STANDARD REPORT DELIVERY <input type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge) Date Due: _____					
CLIENT NAME <i>Malcolm Pirnie</i>		CLIENT PROJECT MANAGER									
CLIENT ADDRESS (CITY, STATE, ZIP) <i>11832 Rock Landing Dr. NN VA 23606</i>											
SAMPLE		SAMPLE IDENTIFICATION			NUMBER OF CONTAINERS SUBMITTED				REMARKS		
DATE	TIME										
<i>2/27/95</i>	<i>1145</i>	<i>GW07-005 500A</i>			<i>3</i>	<i>3</i>			<i>2</i>	<i>2</i>	
<i>2/27/95</i>	<i>1145</i>	<i>GW07-005T 500A-T</i>			<i>X</i>		<i>1</i>	<i>1</i>	<i>1</i>		
<i>USACE Project No. E0360</i>											
<i>VPS. No. 0561 2743 055</i>											
					<i>3</i>	<i>3</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>2 2</i>	
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)		DATE	TIME
<i>[Signature]</i>				<i>[Signature]</i>		<i>2/27/95</i>	<i>1730</i>	<i>[Signature]</i>			
RECEIVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME
<i>[Signature]</i>				<i>[Signature]</i>				<i>[Signature]</i>		<i>2-28-95</i>	<i>1200</i>

ORIGINAL

LABORATORY USE ONLY

LABORATORY REMARKS

CENED-ED-GL  
SAMPLE CONTAINER RECEIPT FORM

PROJECT: FT STARY, VA-AUTO CRAFT BLDG AREA Project #: ED360  
Work Order #: 95-249

Container received on 2-28-95 and inspected on 2-28-95 by: [Signature]

Temperature 4.0 °C. Temperature taken on 2-28-95 (date)

Shipper \_\_\_\_\_ Shipper # 0561 2743 055  
(USM, UPS, DHL, FEDEX, P/C, AIR EXP, HAND-DELIVERED)

Container type (Cooler, box, envelope, etc.) \_\_\_\_\_

Were custody seals on outside of container? N/A Yes Yes No  
How many & where: \_\_\_\_\_, seal date: \_\_\_\_\_, seal name: \_\_\_\_\_

Were custody papers taped to lid inside container? N/A Yes No

Custody papers properly filled out? (ink, signed, etc.) SEE NOTE Yes No

Was project and project # identifiable from custody papers? Yes No

Did you sign custody papers in appropriate place? Yes No

Did you attach shipper's packing form to this form? N/A Yes No

Packing material (peanuts, vermiculite, bubble wrap, paper, cans, other)

Were all samples sealed in separate plastic bags? N/A Yes No

Did all samples arrive in good condition? Yes No

Sample labels complete? (#, date, analysis, preservation, sign.) Yes No

Were correct sample containers used for tests indicated? N/A Yes No

Were correct preservatives used? (TM pH 1, CN- pH 13) N/A Yes No  
(TOC pH \_\_, NUTRIENT pH \_\_, TOX pH \_\_, TPH pH \_\_, OTHER pH \_\_)

Were VOA vials bubble-free (H<sub>2</sub>O) or no headspace (soil)? N/A Yes No

Was sufficient amount of sample sent in each container? Yes No

Did all sample labels agree with custody papers? Yes No

Were air volumes noted for air samples? N/A Yes No

Were initial weights noted for pre-weighed filters? N/A Yes No

Discrepancies: ① SHOULD DIRECTLY SHOW TRANSFER OF CUSTODY TO SHIPPER.

ENVIRONMENTAL PROTECTION AGENCY  
U.S. DEPARTMENT OF AGRICULTURE  
WASHINGTON, D.C. 20503

