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SITE NAME	SAUGET AREA 1
DOC ID #	**154369**
DOCUMENT VARIATION	**_X_ COLOR OR _X_ RESOLUTION**
PRP	RMD
PHASE	SAN
OPERABLE UNITS	
PHASE (AR DOCUMENTS ONLY)	____ **Remedial** ____ Removal ____ Deletion Docket ____ ____ **Original** ____ Update # ____ Volume ____ of ____

COMMENT(S)

COLOR PHOTOS
FIGURES 51A-1 THRU 51A-80
71A-1 THRU 71A-79

Section 3.3

3.3. Waste Sampling

3.3.1. Rationale/Design

Five soil borings were installed at each of Sites G, H, I, L, and N. Deviation submitted to move Site L locations from the original coordinated locations to account for the boundary trench results (Section 3.3.4.1). Continuous soil samples were collected from grade to approximately two feet below the bottom of the fill material in four of the five borings per site. These borings are identified as "sample borings" in this section. In one of the five borings per site, native soil below the fill material was field screened for VOCs using a PID (see change order and deviation in Section 3.3.4.1). This was conducted to a depth of 10 to 15 feet below the fill material. These borings are identified as "screen borings" in this section. A discrete surface soil samples, from 0 to 0.5 foot, was collected at the four "sample boring" locations for each of Sites G, H, I, L, and N prior to installation of the borings. The surface soil samples analyzed will be used in the Human Health Risk Assessment for this project. In addition to chemical analysis of the surface soils, a change order was approved for geotechnical analysis (Section 3.3.4.1 for change order and Section 3.3.4.2 for geotechnical analysis data results). Color digital photographs of fill material samples were taken against a scale to provide a record of materials present in each fill area (Sites G, H, I, L, and N) and included in Section 3.3.4.3.

One composite waste sample was collected at each "sample boring" location (except at Location B2 on Site H, described below) and analyzed for the waste disposal characteristics listed below. One discrete surface soil sample was collected at each "sample boring" location and analyzed as listed below. Visual observation (e.g., discoloration or presence of foreign objects) and PID readings were used to identify whether waste was present in a continuous boring sample. In the event waste was present, it was removed, segregated, temporarily stored, and used at the completion of the soil boring to prepare a composite waste sample. Since VOC samples cannot be composted without losing volatiles, waste from the depth interval with the highest PID reading was used for VOC analysis. VOC samples were initially collected (for Boring B1 through B4 on Site L and Boring B1 on Site H) using EnCore® samplers per USEPA Method 5035. However, to provide additional sample volume for laboratory analyses, subsequent VOC samples were collected into four-ounce amber glass jars (deviation in Section 3.3.4.1).

Two composite waste samples and discrete waste VOC samples were collected from the B2 location on Site H. The first set of samples was collected and submitted to the laboratory upon encountering refusal at Boring B2. The second set of samples was collected and submitted to the laboratory from Boring B2A (located adjacent to B2), which did not

encounter refusal. The VOC sample was collected from within the same depth interval in both locations. The composite waste sample from B2A was collected over an interval which was two feet deeper than the composite interval at B2.

Site N Boring B5 was moved due to not encountering waste fill. Site N Boring B5A replaced the original Boring B5.

Site M was characterized by collecting four sediment samples at the locations shown on Figure 16. The sediment sample collection method followed, in general, Section 3.20.

Existing information (e.g., the 1988 Ecology and Environment Report and the results of the aerial photograph analysis and boundary test trenching conducted as part of the SSP) was used to select boring locations.

Number of waste samples (composite boring samples) 25

Analyses:

Corrosivity	USEPA Method 1110
Cyanide	USEPA Method 9010B
Ignitability	USEPA Method 1010/1020A
PCBs	USEPA Method 680
Reactivity	USEPA Method 9014
TCLP Dioxins	USEPA Method 1311/8280A
TCLP Herbicides	USEPA Method 1311/8151A
TCLP Mercury	USEPA Method 1311/7471A
TCLP Metals	USEPA Method 1311/6010B
TCLP Pesticides	USEPA Method 1311/8081A
TCLP SVOCs	USEPA Method 1311/8270C
TCLP VOCs	USEPA Method 5035/1311/8260B

Number of waste samples (discrete surface samples) 20

Analyses:

Bulk Density	USCOE Method EM 1110-2-1906 Appendix II
Cyanide	USEPA Method 9010B
Dioxins	USEPA Method 8280A
Herbicides	USEPA Method 8151A
Mercury	USEPA Method 7471A
Metals	USEPA Method 6010B
Moisture Content	USCOE Method EM 1110-2-1906 Appendix II
PCBs	USEPA Method 680
Pesticides	USEPA Method 8081A
pH	USEPA Method 9045
Specific Gravity	American Society for Testing and Materials (ASTM) Method D854

SVOCs	USEPA Method 8270C
VOCs	USEPA Method 5035/8260B

A two-inch-diameter well screened at the bottom of the fill material was installed in one "sample boring" completed at Site G (Boring B4A) and one "sample boring" completed at Site I (Boring B2). The wells were utilized for slug testing and leachate treatability testing.

3.3.2. QA/QC Samples

QA/QC samples consisted of the following:

- one duplicate per 10, or fraction of 10, environmental samples collected
- one MS/MSD per 20, or fraction of 20, environmental samples collected or one MS/MSD every three working days, whichever was sooner
- one equipment blank (or field blank) per 10, or fraction of 10, environmental samples collected unless dedicated or disposable sampling equipment was used to collect samples
- one trip blank per sample cooler containing environmental samples for VOC analysis that was shipped.

QA/QC samples were submitted for analysis and analyzed for the same parameters as the investigative samples, as applicable. Duplicate samples were collected to measure consistency of field sampling technique. MS/MSD samples were collected to measure laboratory QC procedures. Equipment blanks were collected to measure the effectiveness of field decontamination procedures. Trip blanks were submitted to indicate cross-contamination of VOCs during shipment.

A deviation was prepared and submitted to accommodate a duplicate/split sample for the EPA at Site G Boring B4 (Section 3.3.4.1).

3.3.3. Field Procedures

Prior to performing field work, a Preparatory Inspection Meeting attended by a representative of each of the interested parties was held (Section 3.3.4.2). A discrete surface soil sample was collected at each "sample boring" location prior to the completion of the boring activities. Borings were advanced using conventional hollow-stem auger drilling method using 4.25-inch-inside-diameter (ID) augers. Continuous three-inch-outside-diameter (OD), two-foot-long split-spoon samples were collected from the surface to at least two feet below the bottom of waste material at "sample boring" locations. Waste samples were collected as presented below. The three-inch-OD, two-foot-long split-

spoon was also used to collect native soil samples from the bottom of waste material to a depth of 10 to 15 feet below the waste material at "screen borings". Samples for field-screening were collected in the manner described for PID screening under waste sample collection, below. Descriptive logs of each boring were prepared as described below. A two-inch-OD stainless-steel well was installed in the boring of Sites G and I. The stainless-steel wells were installed following the procedures described below. Borings not used for the installation of sampling wells were grouted to the surface to seal the borings. Boring equipment was decontaminated as described below. Investigation-derived wastes (IDW) were disposed as described below. A PID, four-gas meter, and RAM were used to monitoring the activities associated with waste sampling and well installation.

Waste Sample Collection – Waste samples were collected using a three-inch-OD split-spoon sampler. The split-spoon sample was obtained in accordance with ASTM Method D1586, with the exception of using a three-inch-OD split spoon.

Upon opening the split spoon, a portion of the recovered material was chosen for PID screening based on visual analysis, placed into a sealable plastic bag (e.g., Ziploc™), and set aside briefly to allow VOCs to escape from the material. A PID reading was obtained from inside the plastic bag by carefully opening the seal and inserting the tip of the PID. The maximum PID reading was recorded on the test boring log.

Waste material for potential VOC analysis was also chosen from the split spoon based on visual observation and was collected into the VOC sample container. After descriptive logging, the remainder of the split-spoon sample was placed into a precleaned stainless-steel bowl for compositing. The VOC sample from the split spoon with the highest PID reading was submitted to the laboratory for analysis. The VOC sample container for Borings B1 through B4 on Site L and Boring B1 on Site H was a set of three 5-gram EnCore® samplers. After pressing the EnCore® sampler into the soil at the desired location within the split spoon, the coring body was capped while it was still in the EnCore® sampler T-handle. The VOC sample container for the remaining borings was an amber glass jar, four-ounce minimum in size. The soil at the desired location within the split spoon was compacted into the jar to minimize void spaces and tightly capped. The remaining sample containers were filled from the steel bowl after homogenizing the material with a precleaned stainless-steel spoon. For the discrete VOC surface samples, the EnCore® sampler was directly pushed into surface soils (after scraping away surface vegetation) and handled as above.

The sample containers were appropriately labeled and placed on ice in a cooler for shipment to the laboratory under chain of custody (Section 3.3.4.6) documentation.

Logging Unconsolidated Samples – The geologist logging samples interpreted the samples following standard and acceptable methods. The geologist is trained and experienced in logging boring samples. Soil was

logged according to applicable ASTM standards. As appropriate, ASTM standards were used to log waste materials.

At the outset of sample logging, the on-site geologist recorded field notes with waterproof ink in a bound field notebook. Samples were described on test boring logs (Section 3.3.4.3). At a minimum, the daily field notes included:

- project name and number
- date and time
- weather conditions
- sampler's name
- project objective(s).

Throughout the sampling round, the following items were recorded as appropriate:

- sample location(s)
- sample identifications
- well designations
- limiting field conditions
- problems encountered.

Unconsolidated soil samples were described as follows, as applicable.

- descriptive information
  - color name, Munsell color chart, of the logged interval or sample
  - color notation including chroma, hue, value, and qualifiers
  - mottling with abbreviations, descriptors, and criteria for descriptions of mottles as identified below.

Descriptors for Mottling

Abundance	Size	Contract
f: few (<2%)	fine (<5 mm)	faint
c: common (2%-20%)	medium (5-15 mm)	distinct
m: many (>20%)	coarse (>15 mm)	prominent

- degree of saturation (dry, damp, moist, wet, saturated, or combinations); note depth to ground water table, if observed.
- degree of density. Count the blow of each 12-inch increment of the split spoon (ASTM D1586-84). Use the values in the table below to describe the density.

Terms to Describe Density

Cohesive Clays		Noncohesive Granular Soils	
0-2	very soft	0-3	very loose
2-4	soft	4-9	loose
5-7	firm	10-29	medium dense
8-15	stiff	30-49	dense
16-29	hard	50-80	very dense
30-49	very hard	80+	extremely dense
50-80	extremely hard		

- soil description according to ASTM's Unified Soil Classification System (USC) and by structure, according to the descriptions listed below:

  - ASTM USC: coarse-grained soils include clean gravels and sands and silty or clayey gravels and sands with more than 50% retained on the No. 200 sieve. The following table presents the grade limits and grade names used by engineers according to ASTM Standards D422-63 and D643-78.

Grain-Size Scale Used by Engineers

Grade Limits		Grade Names
Mm	**Inch**	**US Standard Sieve Series**
305	12.0	Boulders
76.2	3.0	Cobbles
4.75	0.19	No. 4
2.00	0.08	No. 10
0.425		No. 40
0.074		No. 200
0.005		Silt
		Clay Size

Source: AGI data sheet 29.2

The following table shows the USC symbols and typical names of coarse-grained soils.

Coarse-Grained Soils: USCS Symbols and Typical Names

USCS Symbol	Typical Names
GW	Well-graded gravels, gravel-sand mixtures, little or no fines
GP	Poorly graded gravels, gravel-sand mixtures, little or no fines
GM	Silty gravels, gravel-sand-silt mixtures
GC	Clayey gravels, gravel-sand-clay mixtures
SW	Well-graded sands, gravelly sands, little or no fines
SP	Poorly graded sands, gravelly sands, little or no fines
SM	Silty sand, sand-silt mixtures
SC	Clayey sands, sand-clay mixtures

- Fine-grained soils include inorganic and organic silts and clays; gravelly, sandy, or silty clays; and clayey silts with more than 50% passing the No. 200 sieve. The following table shows the USC symbols and typical names of fine-grained soils.

Fine-Grained Soils: USCS Symbols and Typical Names

USCS Symbol	Typical Names
ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands, or clayey silts with slight plasticity
CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
OL	Organic silts and organic silty clays of low plasticity
MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts
CH	Inorganic clays of high plasticity (residual clays), fat clays
OH	Organic clays of medium to high plasticity, organic silts
Pt	Peat and other highly organic soils

- soil descriptors are as follows:
  - **Calcareous**: containing appreciable quantities of calcium carbonate
  - **Fissured**: containing shrinkage cracks, often filled with fine sand or silt, usually more or less vertical
  - **Interbedded**: containing alternating layers of different soil types

- **Intermixed**: containing appreciable, random, and disoriented quantities of varying color, texture, or consistency

- **Laminated**: containing thin layers of varying color, texture, or consistency

- **Layer**: thickness greater than three inches

- **Mottled**: containing appreciable random speckles or pockets of varying color, texture, or consistency

- **Parting**: paper thin

- **Poorly graded (well sorted)**: primarily one grain size or having a range of sizes with some intermediate size missing

- **Slickensided**: having inclined planes of weakness that are slick and glossy in appearance and often result in lower unconfined compression cohesion

- **Split graded**: containing two predominant grain sizes with intermediate sizes missing

- **Varved**: sanded or layered with silt or very fine sand (cyclic sedimentary couplet)

- **Well graded (poorly sorted)**: containing wide range of grain sizes and substantial amounts of all intermediate particle sizes

- **Modifiers**:

  Predominant type – 50% to 100%
  Modifying type – 12% to 50%
  With – 5% to 12%
  Trace – 1% to 5%

• The table below presents the terms used to denote the various degrees of plasticity of soil that passes the No. 200 sieve.

Plasticity

Descriptive Term	Degree of Plasticity	Plasticity Index Range
SILT	None	Nonplastic
Clayey SILT	Slight	1-5
SILT & CLAY	Low	5-10
CLAY & SILT	Medium	10-20
Silty CLAY	High	20-40
CLAY	Very High	Over 40

Items of information relating to drilling were included on the log as follows:

- drill rig manufacturer, model, and driller (if applicable)
- geologist or geotechnical engineer
- project name, sample point identification, and location
- date samples obtained (and times, if required)
- type of sampler (for example, split spoon, Shelby, California), measurements or method of advancing boring or equipment, method of driving sampler, and weight of hammer
- drill fluids (if applicable)
- ground surface or grade elevation (if known)
- depth penetrated and blow counts/six-inch interval of penetration for ASTM D1586-84 and sample number (if applicable)
- closed-hole intervals and advancement (if applicable)
- recovery
- strata changes and changes within samples
- sampling tool behavior
- drill string behavior
- use(s) of sample point or borehole
- disposition(s) of residual soil or cuttings
- signature or sampling of log (as required).

Sampling Point Well Installation – Sampling point monitoring wells were constructed of a five-foot section of two-inch-ID, manufactured, wire-wound, 0.010-inch, slotted, stainless-steel well screen and

appropriate lengths of compatible two-inch-ID solid, threaded, flush-joint, stainless-steel riser. Following installation of the sampling wells, the tops of casings were surveyed to establish well elevations and well locations. Well installation details were documented on a test boring log (Section 3.3.4.3) and in the field notebook. The sampling point wells were generally installed as follows:

- Well materials were inspected for proper specifications and integrity.

- The well screen, bottom cap, plug, and riser were certified clean from the manufacturer. If they were not, they were cleaned with a high-pressure steam cleaner.

- The total depth of the borehole was measured referenced to existing grade and recorded. The quantities and lengths of all materials placed in the borehole were measured and recorded. These materials include, but were not limited to, screen interval, blank casing or riser length, filter pack, bentonite seal, grout, and protective casing.

- The screen (with bottom cap) was installed such that its midpoint approximately intersected the bottom of the fill material. The well was approximately straight and vertical.

- The filter pack consisted of an approximately graded, washed silica sand. The volume of filter pack necessary to fill the annual space was computed and used to monitor the progress of installing the filter pack. The filter pack was placed in increments to prevent bridging. In the event bridging occurred, the bridge was broken before proceeding. The depth of the filter pack was continuously checked with a weighted tape. The filter pack extended a minimum of two feet above the top of the well screen.

- The augers or temporary casing were withdrawn in no more than five-foot increments to limit borehole collapse during placement of the filter pack. The lowest point of the casing or auger was not more than two feet higher than the top of the filter material.

- A bentonite seal was placed above the filter pack in a manner similar to the filter pack. The bentonite seal extends three to four feet above the top of the filter pack.

- A bentonite grout slurry was tremied in place above the top of the bentonite seal to approximately two feet below existing grade. The grout was installed from the top of the bentonite seal upward to reduce the opportunity for the development of void spaces. The grout was of a neutral pH so as not to modify the pH of the ground water.

- A lockable steel protective casing was installed over the well casing at and above the ground surface.

- The concrete used to complete surface installation was a commercially available, premixed cement, sand, and gravel mixture (e.g., Quickrete).

Equipment Decontamination – Decontamination of drilling and soil sample collection equipment was performed prior to initiating drilling procedures, between boring locations, and at the completion of the drilling program prior to removal of equipment from the site. Drilling equipment and associated tools, including augers, drill rods, wrenches, auger shoes, and other equipment, that comes into contact with generated soils was decontaminated by spray-washing with a high-pressure steam cleaner. Prior to decontaminating the augers, as much soil as practical was removed and placed into the drum(s) associated with that particular boring locations. A decontamination station was set up by the drilling contractor such that decontamination fluids could be contained in drums. The split-spoon sampler was decontaminated with an Alconox® soap wash, followed by a potable water rinse, dilute nitric acid rinse, and a second potable water rinse between sample collection at a particular location. The split-spoon sampler was decontaminated utilizing the high-pressure steam cleaner between boring locations.

Disposal of IDW – During the subsurface investigation, subsurface soils, ground water, decontamination water, personal protective equipment (PPE), and general waste (plastic, paper, etc.) were generated. Subsurface soils, ground water (development and purge water), and equipment decontamination water were temporarily contained in drums and transferred to waste containers. PPE was contained in plastic drums prior to disposal. General waste was contained in plastic bags and disposed in a general refuse container.

3.3.4. Documentation

Two change orders for performing soil physical analysis and the installation of an extra boring are included in Section 3.3.4.1. Five deviations for using EnCore™ samplers, installing an extra boring, and revising locations at Site N are included in Section 3.3.4.1. Field logs generated are included in Record Book Nos. 1, 3, and 4 (Appendix D). Figure 11 through 16 depict locations of waste sampling. Boring logs generated are included in Section 3.3.4.3. Thompson Engineering reports for soil physical analysis are included in Section 3.3.4.4. Digital photographs of waste borings are included in Section 3.3.4.5. Chain-of-custody forms are included in Section 3.3.4.6.

Documentation for this task continues on the next page.

3.3.4.1. Change Orders and Deviation/Clarification Log

cc Yane
Bradley
Beauchamp
→ Cork Pil
Nesth Pil

2

PROJECT CHANGE ORDER

:EN & GERE ENGINEERS, INC.
.OJECT NAME: Solutia Sauget Area 1

CO NUMBER _____ DESCRIPTION At the request of Lisa Bradley of ENSR and w/ concurrence from Solutia Inc on September 16, 1999, the following physical analysis was requested to be performed on surface soils to support the Human Heath RA: Soil Bulk Density, Soil Specific Gravity, Moisture Content & pH

JBMITTED TO	Kimberly Perry	COMPANY	Solutia Inc
JBMITTED BY	Alan Cork	COMPANY	O'Brien & Gere Engineers, Inc
IITIAL DATE	9/23/99	REQUIRED DATE	9/27/99
AYS REQUESTED		AMOUNT REQUESTED	[redacted]

HANGE ORDER ITEMIZED DESCRIPTION

This CO affects the follow sections of the FSP: 5.3, 5.17, 5.18, & 5.19

Section 5.3 of FSP - Add → 20 Soil Bulk Density Samples by Thompson
Waste Sampling
20 Moisture Content Samples by Thompson
20 Specific Gravity samples by Thompson
20 Soil pH samples by Savannah

Section 5.17.1 of FSP - Add → 45 Soil Bulk Density Samples by Thompson
Undeveloped Area Surface
Soil Sampling
45 Moisture Content Samples by Thompson
45 Specific Gravity Samples by Thompson
45 Soil pH samples by Savannah

Section 5.18.1 of FSP ~~Add~~ → 20 Soil Bulk Density Samples by Thompson
Developed Area Surface
Soil Sampling
20 Moisture Content Samples by Thompson
20 Specific Gravity Samples by Thompson
20 Soil pH Samples by Savannah

Section 5.19.1 of FSP Add → 3 Soil Bulk Density samples by Thompson
Background Soil Samples
3 Moisture content Samples by Thompson
3 Specific Gravity Samples by Thompson
3 Soil pH samples by Savannah

ote

Soil pH sample analysis will be directly billed to Solutia By Savannah Labs

All other physical analysis performed by Thompson will be billed to O'Brien & Gere

Cost Summary for CO is on attached Spread sheet.

Alan J Cork / [signature] / 9/23/99
PRINTED NAME / SIGNATURE OF PREPARER / DATE

Kimberly Perry / [signature] / 10/2/99
PRINTED NAME / SIGNATURE OF SOLUTIA REP / DATE

IF ADDITIONAL SPACE IS REQUIRED, RECORD ON REVERSE SIDE

OUIS\DIVISION\ADMIN\1999\PCORQUST.WPD

3

PROJECT CHANGE ORDER

cc Yore

O'BRIEN & GERE ENGINEERS, INC.
PROJECT NAME: Solutia Sauget Area 1 - Waste Boring Task 5.3 of FSD

PCO NUMBER _____ DESCRIPTION Installation of extra middle Boring @ Middle Point of Fill Areas

SUBMITTED TO	Kimberly Perry	COMPANY	Solutia Inc
SUBMITTED BY	Alan Cook	COMPANY	O'Brien & Gee
INITIAL DATE	10/7/99	REQUIRED DATE	10/7/99
DAYS REQUESTED	3 Days	AMOUNT REQUESTED	[redacted]

CHANGE ORDER ITEMIZED DESCRIPTION

- Install one extra Boring @ Site L, H, G, I, & N in the "middle" of the fill area
- Borings will assume to be installed to ±55 ft @ maximum, assuming a max fill thickness of 40 ft.
- Total Additional Boring Depth (Max) = 275 ft
- Cost for Borings per lineal foot from Cost Add line for Waste Borings is [redacted]
- Total Additional Cost (Maximum) for this addition = $[redacted]

275 ft x [redacted] = [redacted]

Alan J Cook / [signature] / 10/7/99
PRINTED NAME / SIGNATURE OF PREPARER / DATE

Kimberly Perry / [signature] / 10/20/99
PRINTED NAME / SIGNATURE OF SOLUTIA REP / DATE

IF ADDITIONAL SPACE IS REQUIRED, RECORD ON REVERSE SIDE

C:\Sauget\OBG Forms\PCORQUST.WPD

DEVIATION LOG

INDIVIDUAL REQUESTING DEVIATION / COMPANY: DE Haverdink / OBG DATE 10-5-99

HEALTH & SAFETY APPROVAL REQUIRED: YES: _____ NO: X

PROJECT NAME Solutia - Sauget Area 1 PROJECT LOCATION Site H

WEATHER NA PRECIPITATION NA TEMPERATURE NA

NUMBER OF HOURS WORKED NA NUMBER OF EMPLOYEES NA

1. CONTRACT ITEM BEING WORKED ON:
2. ITEM BEING DEVIATED (REF. APPROP. SEC. OF FSP/HASP):
3. REASON FOR DEVIATION:
4. DEVIATION OR FIELD CHANGE TO BE IMPLEMENTED:
5. EQUIPMENT:
6. DEVELOPMENTS WHICH MIGHT LEAD TO ISSUANCES OF A CHANGE ORDER OR BE THE BASIS OF A CLAIM (EQUIPMENT; TIME; MANPOWER; ETC.):
7. REMARKS:

(1) Waste boring/sampling

(2) FSP #5.3 use of EnCore® sampler for collection of discrete waste samples for VOC analysis

(3) Discussions with analytical laboratory, Solutia, and EPA.

(4) Collect discrete waste samples for VOC analysis (TCLP) using 4-oz. amber jars instead of EnCore® samplers and submit to lab in same jars.

(5) 4-oz. glass amber jars from lab

(6) None

(7) On 10-01-99, the decision was made to use 4 25-gram EnCore® samplers to collect TCLP VOC samples from waste borings in stead of 3 5-gram EnCore® samplers. While waiting for the new samplers to arrive on site, VOC samples were collected in 4-oz. or 8-oz. jars and submitted in the same jars. The new (25-gram) samplers were not used, since the 10-5-99 decision was communicated before samples were ready for collection. See also the 10/1/99 daily work log.

This change was per the request of Eric Kemper of Weston, the USEPA's Oversight Contractor on site.

OBG was already submitting VOC's TCLP in jars because they made an error in collection quantity of 100 gram vs 5 grams the lab needed more material and between Solutia OBG and the lab they decided to continue using the 4 oz jars for collection with the intent to extract aliquots out of the jar to protect the integrity of the sample it was allowed to submit the jar as is

David Haverdink / David Haverdink
RINTED NAME / SIGNATURE OF PREPARER

Kimberly Perry / Kimberly Perry / 10/8/99
PRINTED NAME / SIGNATURE OF SOLUTIA REP / DATE

10-5-99
DATE

PRINTED NAME / SIGNATURE OF USEPA REP / DATE

IF ADDITIONAL SPACE IS REQUIRED,

Given to Weston 10/8/99 (1930)

DEVIATION LOG

DIVIDUAL REQUESTING DEVIATION / COMPANY: Alan Cork / O'Brien & Gere DATE 9/30/99

HEALTH & SAFETY APPROVAL REQUIRED: YES: _____ NO: X

PROJECT NAME Solutia Sauget Area 1 PROJECT LOCATION Waste Borings

WEATHER Clear PRECIPITATION None TEMPERATURE 70°F

NUMBER OF HOURS WORKED _____ NUMBER OF EMPLOYEES _____

1. CONTRACT ITEM BEING WORKED ON:
2. ITEM BEING DEVIATED (REF. APPROP. SEC. OF FSP/HASP):
3. REASON FOR DEVIATION:
4. DEVIATION OR FIELD CHANGE TO BE IMPLEMENTED:
5. EQUIPMENT:
6. DEVELOPMENTS WHICH MIGHT LEAD TO ISSUANCES OF A CHANGE ORDER OR BE THE BASIS OF A CLAIM (EQUIPMENT; TIME; MANPOWER; ETC.):
7. REMARKS:

1) Section FSP 5.3 Waste Borings

2) Collection interval for Encore Samplers for VOC analysis. Current interval is 1 Encore sample per 10 ft of waste fill.

3) To maximize the potential of collecting the highest VOC concentrations in the waste samples collected for analysis

4) Collect encore samplers @ each 2-ft Split Spoon interval in the waste fill. Send highest PID reading sample to Lab for analysis.

5) More Encore samplers will be needed ±900

6) More time required for paperwork associated with Encore Sample Increase

7) None

Given to Weston 9/30/99 12:05 p

Alan J Cork / [signature]
PRINTED NAME / SIGNATURE OF PREPARER

Gordon Perry / [signature] 9/30/99
PRINTED NAME / SIGNATURE OF SOLUTIA REP / DATE

9/30/99
DATE

PRINTED NAME / SIGNATURE OF USEPA REP / DATE

IF ADDITIONAL SPACE IS REQUIRED

C:\Sauget\OBG Forms\DEVLOG.WPD

DEVIATION LOG

INDIVIDUAL REQUESTING DEVIATION / COMPANY: DE Hamerdink / OBG DATE 10-12-99

HEALTH & SAFETY APPROVAL REQUIRED: YES: _____ NO: X

PROJECT NAME Solutia - Sauget Area 1 PROJECT LOCATION Site G

WEATHER NA PRECIPITATION NA TEMPERATURE NA

NUMBER OF HOURS WORKED NA NUMBER OF EMPLOYEES NA

1. CONTRACT ITEM BEING WORKED ON:
2. ITEM BEING DEVIATED (REF. APPROP. SEC. OF FSP/HASP):
3. REASON FOR DEVIATION:
4. DEVIATION OR FIELD CHANGE TO BE IMPLEMENTED:
5. EQUIPMENT:
6. DEVELOPMENTS WHICH MIGHT LEAD TO ISSUANCES OF A CHANGE ORDER OR BE THE BASIS OF A CLAIM (EQUIPMENT; TIME; MANPOWER; ETC.):
7. REMARKS:

(1) FSP # 5.3, waste boring / sampling

(2) HASP # 2.4

(3) Request of Weston / EPA / Solutia

(4) Perform additional boring at location B4 on Site G to recover sufficient sample volume to split samples with Weston. Recovery on boring B4 was not sufficient for the additional samples.

(5) CME 750 drill rig; H&S equip.; sampling equip.; support vehicles

(6) Additional costs associated with an additional boring.

SUBMITTED TO WESTON 10-12-99 @ 1830
" " " 10/18/99 KAH

DE Hamerdink / DE Hamerdink
PRINTED NAME / SIGNATURE OF PREPARER

Kimberly Perry / Kimberly Perry / 10/18/99
PRINTED NAME / SIGNATURE OF SOLUTIA REP / DATE

10-12-99
DATE

PRINTED NAME / SIGNATURE OF USEPA REP / DATE

IF ADDITIONAL SPACE IS REQUIRED,

C:\Sauget\OBG Forms\DEVLOG.WPD

DEVIATION LOG

INDIVIDUAL REQUESTING DEVIATION / COMPANY: Alan J Cook / O'Brien & Gere DATE 10/7/99

HEALTH & SAFETY APPROVAL REQUIRED: YES: _____ NO: X

PROJECT NAME Solutia Sauget Area 1 PROJECT LOCATION Waste Borings

WEATHER — PRECIPITATION — TEMPERATURE —

NUMBER OF HOURS WORKED — NUMBER OF EMPLOYEES —

1. CONTRACT ITEM BEING WORKED ON:
2. ITEM BEING DEVIATED (REF. APPROP. SEC. OF FSP/HASP):
3. REASON FOR DEVIATION:
4. DEVIATION OR FIELD CHANGE TO BE IMPLEMENTED:
5. EQUIPMENT:
6. DEVELOPMENTS WHICH MIGHT LEAD TO ISSUANCES OF A CHANGE ORDER OR BE THE BASIS OF A CLAIM (EQUIPMENT; TIME; MANPOWER; ETC.):
7. REMARKS:

1) Waste Borings @ Site G, H, T, L

2) Field Sampling Plan (sec 5.3) - 4 waste borings originally to be installed in the interior of the waste fill areas

3) Request from USEPA RM Mike MacAteer to install one additional boring +/- in the Middle of the fill area 10' to 15' feet into native below the fill materials

4) Will install one extra boring per site in the (middle) interior of the fill areas. Boring will proceed through fill w/ no sampling. Once native fill encountered split spoons will be collected continuously and screened w/ an HNu or PID for total VOCs. Results of PID screen will be documented on the boring logs. No Samples will be collected for laboratory analysis. Boring will cease 10' to 15' below fill area.

5) No extra or Special Equipment Required

6) Change order required to cover extra linear footage of borings

7) None

Given to Weston @ 1000 on 10/7/99

Alan J Cook / [signature]
PRINTED NAME / SIGNATURE OF PREPARER

Kimberly Perry / [signature] / 10/8/99
PRINTED NAME / SIGNATURE OF SOLUTIA REP / DATE

10/7/99
DATE

PRINTED NAME / SIGNATURE OF USEPA REP / DATE

IF ADDITIONAL SPACE IS REQUIRED,

C:\Sauget\OBG Forms\DEVLOG.WPD

DEV-003

p. 1/2

DEVIATION LOG

INDIVIDUAL REQUESTING DEVIATION / COMPANY: A) Cork / O'Brien & Gere Engineers

DATE 9/27/99

HEALTH & SAFETY APPROVAL REQUIRED: YES: ____ NO: X

PROJECT NAME Solutia Sauget Area 1 PROJECT LOCATION Site L - Waste Borings

WEATHER Partly Cloudy PRECIPITATION None TEMPERATURE 60°F

NUMBER OF HOURS WORKED ____ NUMBER OF EMPLOYEES ____

1. CONTRACT ITEM BEING WORKED ON:
2. ITEM BEING DEVIATED (REF. APPROP. SEC. OF FSP/HASP):
3. REASON FOR DEVIATION:
4. DEVIATION OR FIELD CHANGE TO BE IMPLEMENTED:
5. EQUIPMENT:
6. DEVELOPMENTS WHICH MIGHT LEAD TO ISSUANCES OF A CHANGE ORDER OR BE THE BASIS OF A CLAIM (EQUIPMENT; TIME; MANPOWER; ETC.):
7. REMARKS:

1) Section 5.3 of FSP - Waste Sampling

2) Original Layout of Waste Borings as presented to Agency & Weston on September 14, 1999 submittal

3) Extents of Waste fill were determined during boundary trenching resulting in revised waste fill extents.

4) See Attached Figure

5) No equipment change necessary

6) None @ this time

7) None @ this time

Given to Weston @ 0740 on 9/27/99

Alan J Cork / [signature]
PRINTED NAME / SIGNATURE OF PREPARER

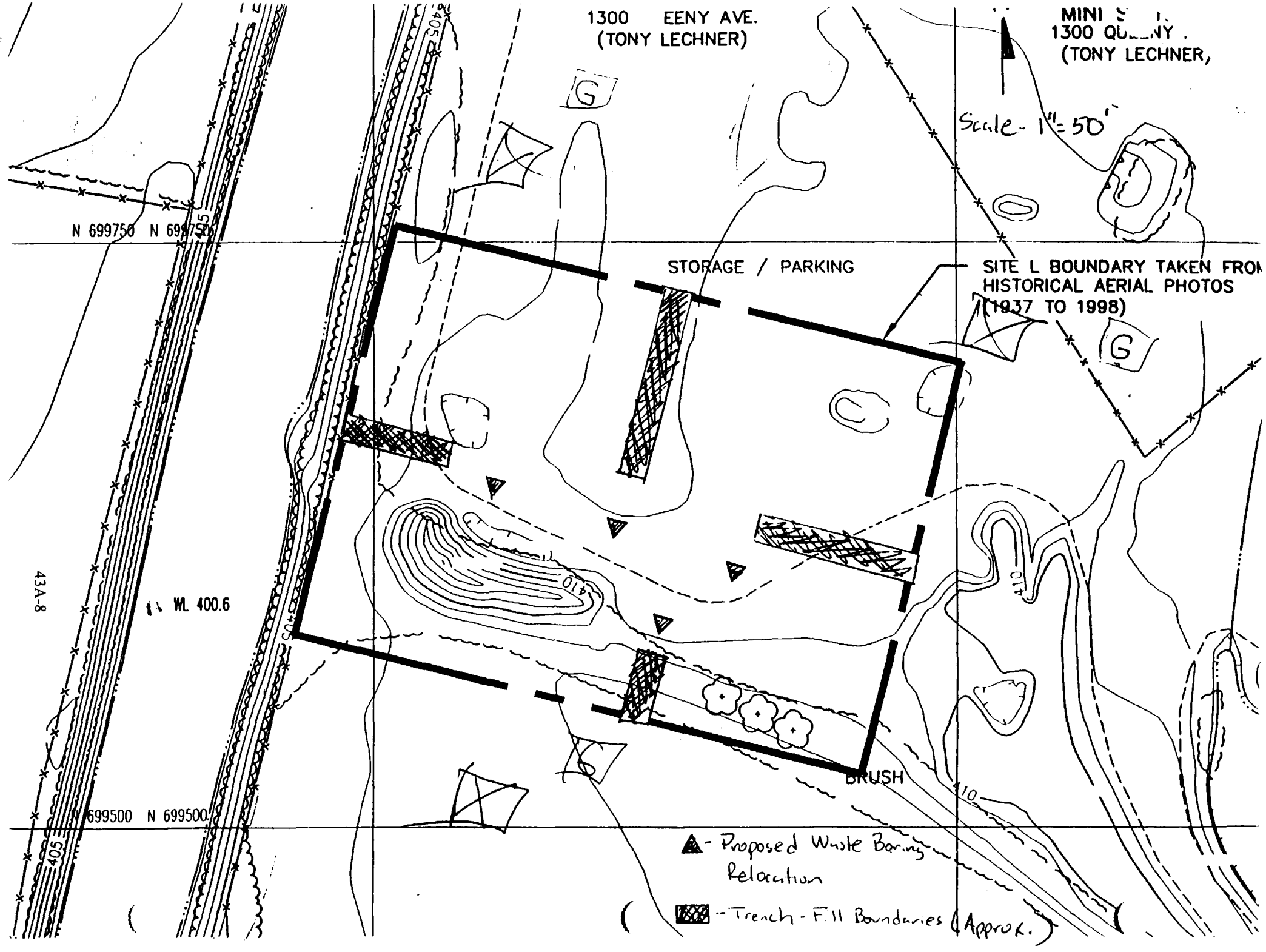
Kirtan J Perry / [signature] / 10/6/99
PRINTED NAME / SIGNATURE OF SOLUTIA REP / DATE

9/27/99
DATE

PRINTED NAME / SIGNATURE OF USEPA REP / DATE

IF ADDITIONAL SPACE IS REQUIRED, RECORD ON REVERSE SIDE

I:\STLOUIS\DIVISION\ADMIN\1999\DEVLOG.WPD


1300 EENY AVE.
(TONY LECHNER)
MINI
1300 QU NY .
(TONY LECHNER,
Scale - 1" = 50'
N 699750 N 699750
STORAGE / PARKING
SITE L BOUNDARY TAKEN FRO
HISTORICAL AERIAL PHOTOS
(1937 TO 1998)
G
G
WL 400.6
405
410
410
410
BRUSH
N 699500 N 699500
405
- Proposed Waste Boring Relocation
- Trench - Fill Boundaries (Approx.)

#1

CLARIFICATION LOG

VIDUAL REQUESTING CLARIFICATION / COMPANY: Solutia DATE 9Dec99

HEALTH & SAFETY APPROVAL REQUIRED: YES: ____ NO: X

PROJECT NAME Solutia-Sauget Area 1 PROJECT LOCATION Sauget Sites G, H, I, L & N

WEATHER Cool PRECIPITATION None TEMPERATURE 45°F

NUMBER OF HOURS WORKED N/A NUMBER OF EMPLOYEES N/A

. CONTRACT ITEM BEING WORKED ON:
. ITEM BEING CLARIFIED (REF. APPROP. SEC. OF FSP/HASP):
. REASON FOR CLARIFICATION:
. CLARIFICATION TO BE IMPLEMENTED:
. EQUIPMENT:
. DEVELOPMENTS WHICH MIGHT LEAD TO ISSUANCES OF A CHANGE ORDER OR BE THE BASIS OF A CLAIM (EQUIPMENT TIME: MANPOWER ETC.):
. REMARKS:

(1) Slug Tests

(2) Sect. 5.3.3 of the FSP - details on page 50 that "The sampling point wells will generally be installed according to the typical well construction diagram in App. D..." This statement leads to a conflict between text on page 50 & App. D

(3) Clarification is necessary to advise & inform Project Team of piezometer construction. Conflict between page 50 text & App. D diagram.

(4) The ~~following~~ text on page 50 will be followed more closely than App. D. App. D is appropriate in general terms. ~~but~~ The following details specific piezometer construction methods:
- Filter pack consists of 20-40 silica sand filter pack
- Grout ~~well~~ will be bentonite placed on top from filter pack to just below surface
- Minimum of 2 ft. filter pack installed above well screen

(5) Drill Rig, Well Construction materials

(6) None

(7) None

Submitted to Weston on 9Dec99 @ 8:30

Tim Tedesco / [signature] Kimberly Perry / [signature] 12/9/99
ITED NAME / SIGNATURE OF PREPARER PRINTED NAME / SIGNATURE OF SOLUTIA REP / DATE

9 Dec 99
E PRINTED NAME / SIGNATURE OF USEPA REP I DATE

IF ADDITIONAL SPACE IS REQUIRED,

3.3.4.2. Preparatory Inspection Meeting Form

PREPARATORY INSPECTION MEETING

Conducted by/Company: Alan Cork / O'Brien & Gere **Date:** 9/24/99 @ 1000
Project Name: Solutia Sauget Area 1 **Task:** Fill Area Waste Borings

1. Scheduled Work:

2. Equipment, Procedures, Personnel:

3. Ref. To App. Sec. of FSP/HASP:

4. Issues that could arise and how to resolve:

5. Solutia comments:

6. EPA comments:

1) • Installation of Waste Borings on Site I, H, G, L and collection of sediment waste samples @ Site M.
• Completion of one waste boring @ site G and one @ site I into a 2-inch diameter well screened @ the fill material bottom. These wells will be used to collect leachate for treatability testing
• Borings will be installed to two feet below fill materials
• A surface soil sample will be collected @ each boring site on Site I, H, G, & L.
(Continued on Back)

2) PPE, Hollow Stem Auger Equipment, PID, RAM, 4-Gas Meter. One Geologist & one H&S person from OBG present w/ Drillers

3) FSP Section 5.3 & HASP Section 2.4 (Level C initially)

4) No Access to Site N yet.

ATTENDANCE:

EMPLOYEE NAME (print)	EMPLOYEE SIGNATURE	COMPANY
Alan J Cork	[signature]	O'Brien & Gere
Erik Kemper	[signature]	RF Weston
Kimberly Perry	[signature]	Solutia
William E. Wright	[signature]	O'Brien & Gere
DAVID C. MEYER	[signature]	Lyne-Western

IF ADDITONAL SPACE IS REQUIRED, RECORD ON REVERSE SIDE

Alan J. Cork / [signature]
PRINTED NAME/ SIGNATURE OF PREPARER

9/24/99
DATE

Given to Weston @ 1010 on 9/24/99

5) None @ this time.

6) Erics Question →

- Will take his 10% Duplicates @ locations we are not collecting our Duplicates or MS/MSD samples to help minimize the chance of not having enough waste for analysis.

1) continued

- Will use a 3 inch split spoon all the way down, continuously
- Will composite waste sample over entire ~~interval~~ waste interval
- one encore sample for VOC's every 10 feet collected in the fill. The ten foot interval section(s) will be screened with a PID and highest screened interval will be ~~sent to~~ submitted for VOC analysis.
- Sequence → Site L → H → G → I

Weston

PREPARATORY INSPECTION MEETING

Conducted by/Company: Tim Tedesco/O'Brien & Gere **Date:** 30 Nov 99
Project Name: Solutia Sauget Area 1 **Task:** Fill Area Waste Borings at Site N

1. Scheduled Work:

2. Equipment, Procedures, Personnel:

3. Ref. To App. Sec. of FSP/HASP:

4. Issues that could arise and how to resolve:

5. Solutia comments:

6. EPA comments:

(1) - Installation of Waste Borings on Site N (except center boring)
- Borings will be installed to 2 feet below fill materials
- A surface soil will be collected @ each boring site except center boring
- 3 inch split spoon all the way down, continuously
- Composite waste sample over entire waste interval
- * Ensure sampling of VOC's in surface soil
- 2' interval section(s) will be screened w/ a PID & highest screened interval will be submitted for VOC analysis & placed in 4 oz. jars - over entire "fill depth"
- Total of 5 borings w/ one in the center of the site to 15 below fill material - no sampling, PID screening only
- Segregate drill cutting - DO NOT commingle w/ waste borings from other sites

(2) PPE, Hollow Stem Auger Equipt., PID, RAM, 4 Gas Meter, One Geologist & One H&S person from OBG present w/ Driller

(3) FSP Section 5.3 & HASP Section 2.4 (level C initially)

~~ATTENDANCE:~~ (4) Not sufficient recovery of fill material - explore all (continued) →

EMPLOYEE NAME (print)	EMPLOYEE SIGNATURE	COMPANY
Ken Lafferty	[signature]	Maverick
Ron Evans	[signature]	Layne
Dale Mahurin	[signature]	Layne Weston Co.
Dave Haverdink	[signature]	OBG
Tony Finch	[signature]	OBG
Tim Tedesco	[signature]	OBG

IF ADDITONAL SPACE IS REQUIRED, RECORD ON REVERSE SIDE

Tim Tedesco / [signature]
PRINTED NAME/ SIGNATURE OF PREPARER

30 Nov 99
DATE

Submitted to Weston on 30 Nov 99 at 0830

(4) possibilities to enhance recovery operations → worst case - reb

(5) Wlow will borings be ID in lieu of not having trenche
- Walked site w/ Solutia & ID location & will need to rebore if no waste encountered

3.3.4.3. Boring Logs

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING B1
Client: Solutia Inc. Proj. Loc: Sauget Area 1 File No.: 10040/23548	Sampler: 3" Diameter Split Spoon Hammer: 140 lb. Fall: 30"	Page 1 of 1 Location: Site G Start Date: 10/07/99 End Date: 10/08/99
Boring Company: Layne-Western Foreman: John Phillips OBG Geologist: Tony Finch		Screen = \ Grout Riser Sand Pack Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing HNu (ppm)
0	1		2	24"/24"	12	Moderate yellowish brown 10YR5/4 damp silt, trace clay	ML		8.9
			6						
1			6						
			6						
2	2		5	24"/24"	30	Same as above			47.7
			10						
3			20			Fill observed, concrete/slag			
			25						
4	3		4	24"/24"	11				18.8
			4						
5			7						
			11						
6	4		3	24"/6"	13	Same as above plus wood pieces			9.9
			6						
7			7						
			3						
8	5		2	24"/6"	7	Same as above			14.7
			3						
9			4						
			5						
10	6		4	18"/6"	11	Black N1 wet pieces of concrete and brick			10.3
			11						
11			5						
			NA						
12	7		5	24"/12"	30	Large pieces of wood and brick			44.4
			22						
13			8						
			6						
14	8		1	24"/24"	5	Olive grey 5Y4/1 moist soft fat clay	CH		39.3
			2						
15			3						
			5			Olive grey 5Y4/1 moist silt	ML		
16	9		0	24"/24"	6	Medium to olive grey 5Y4/1 damp soft clay, little silt	CH		27
			3						
17			3						
			4						
18			1	24"/24"	4	Same as above	CH		9.5
			2						
19			2						
			2						
20									
						EOB @ 20 fbg			
21									
22									
23									

Subsequent to sampling activities, hole was backfilled with grout.
Fill observed from 3' to 14'.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING B2
Client: Solutia Inc. Proj. Loc: Sauget Area 1 File No.: 10040/23548	Sampler: 3" Diameter Split Spoon Hammer: 140 lb. Fall: 30"	Page 1 of 1 Location: Site G Start Date: 10/08/99 End Date: 10/08/99
Boring Company: Layne-Western Foreman: John Phillips OBG Geologist: Tony Finch		Screen = \ Grout Riser Sand Pack Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing HNu (ppm)
0	1		12	24"/24"	31	Moderate Yellowish brown 10YR5/4 silt and clay	CL		9.9
			13						
1			18						
			8						
2	2		5	24"/NR	5	No recovery			---
			3						
3			2						
			3						
4	3		3	24"/24"	6	Black N1 fill material - brick			11.7
			4						
5			2						
			4						
6	4		2	24"/12"	5	Black N1 damp clay - wood pieces	CL		10
			2						
7			3						
			4						
8	5		2	24"/6"	6	Wood, yellow powdery substance			22.4
			3						
9			3						
			3						
10	6		1	24"/12"	4	Black N1 damp wood pieces, red plastic			23.6
			1						
11			3						
			3						
12	7		3	24"/12"	11	Same as above, fabric, spongey material			251
			7						
13			4						
			4						
14	8		2	24"/18"	7	Olive grey 5Y4/1 damp soft clay trace silt	CL		23.2
			3						
15			4						
			5						
16	9		2	24"/24"	4	Olive grey 5Y4/1 wet silt with clay lens	ML		99.4
			2						
17			2						
			2						
18									
						EOB @ 18 fbg			
19									
20									
21									
22									
23									

Subsequent to sampling activities, hole was backfilled with grout.
Fill observed from 4' to 14'.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING B3
Client: Solutia Inc. Proj. Loc: Sauget Area 1 File No.: 10040/23548	Sampler: 3" Diameter Split Spoon Hammer: 140 lb. Fall: 30"	Page 1 of 1 Location: Site G Start Date: 10/11/99 End Date: 10/11/99
Boring Company: Layne-Western Foreman: Mark McNamara OBG Geologist: Tony Finch		Screen = \ Grout Riser Sand Pack Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)
0	1		12	24"/18"	24	Moderate yellowish brown, 10 YR 5/4, damp, stiff clay; trace silt; concrete pieces			5.8
			11						
1			13						
			12						
2	2		12	24"/24"	33	Black, N1, damp, fill; slag; concrete			582
			15						
3			18						
			19						
4	3		7	24"/12"	15	Black, N1, slag material; pieces of brick and concrete			29
			7						
5			8						
			4						
6	4		1	24"/18"	9	Black, N1, damp fill; wood; slag; concrete; brick			303
			4						
7			5						
			5						
8	5		1	24"/12"	4	Black, N1, wet, fine to coarse, very loose, poorly sorted sand; oily	SP		978
			2						
9			2						
			1						
10	6		1	24"/12"	2	Olive grey, 5 Y 4/1, moist to wet, medium to coarse, poorly sorted sand; trace silt; oily	SP		1030
			1						
11			1						
			1						
12	7		5	24"/6"	9	Wet wood and cardboard			317
			2						
13			7						
			6						
14	8		2	24"/18"	7	Black, N1, wet pieces of wood; little sand			852
			2						
15			5						
			4						
16	9		1	24"/24"	10	Black, N1, wet pieces of concrete			478
			5						
17			5			Black, N1, wet, firm clay; fat	CL		
			5						
18	10		1	24"/24"	11	Black, N1, wet, firm clay	CL		251
			3						
19			8						
			8						
20	11		1	24"/24"	5	Olive black, 5 Y 2/1, moist, soft, fat clay; trace silt	CL		230
			2						
21			3						
			2						
22	12								
						EOB @ 22 fbg			
23									

Subsequent to sampling activities, hole was backfilled with grout.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING B4
Client: Solutia Inc.	Sampler: 3" Diameter Split Spoon	Page 1 of 2
Proj. Loc: Sauget Area 1	Hammer: 140 lb	Location: Site G
File No.: 10040/23548	Fall: 30"	Start Date: 10/11/99 End Date: 10/11/99
Boring Company: Layne-Western Foreman: Mark McNamara OBG Geologist: Tony Finch		Screen = \ Grout Riser Sand Pack Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)
0	1		4	24"/18"	17	Moderate yellowish brown, 10 YR 5/4, damp, firm silt; little clay	ML		6.1
			6						
1			11						
			13						
2	2		7	24"/18"	24	Dark yellowish brown, 10 YR 4/2, damp, stiff clay; little silt	CL		10.2
			12						
3			12			Pieces of brick and concrete at 3'			
			15						
4	3		5	24"/24"	13	Black, N1, damp fill - slag			16.3
			8						
5			5						
			9						
6	4		1	24"/12"	3	Black, N1, damp fill - slag, brick, concrete			6.3
			2						
7			1						
			1						
8	5		0	24"/NR	1	No recovery - wood in tip			---
			0						
9			1						
			23						
10	6		8	24"/NR	15	No recovery			---
			9						
11			6						
			6						
12	7		3	24"/NR	11	No recovery			---
			7						
13			4						
			4						
14	8		6	24"/NR	9	No recovery			---
			6						
15			3						
			4						
16	9		1	24"/6"	40	Black, N1, wet fill - brick			130.0
			6						
17			34						
			25						
18	10		6	24"/NR	20	No recovery			---
			12						
19			8						
			9						
20	11		5	24"/NR	9	No recovery - wood in tip			----
			6						
21			3						
			18						
22	12		0	24"/6"	2	Moderate yellowish brown, 10 YR 5/4, wet, very loose, poorly sorted fine sand	SP		No Reading
			1						
23			1						
			1						

Subsequent to sampling activities, hole was backfilled with grout.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING B4
Client: Solutia Inc. Proj. Loc: Sauget Area 1 File No.: 10040/23548	Sampler: 3" Diameter Split Spoon Hammer: 140 lb Fall: 30"	Page 2 of 2 Location: Site G Start Date: 10/11/99 End Date: 10/11/99
Boring Company: Layne-Western Foreman: Mark McNamara OBG Geologist: Tony Finch		Screen = \ Grout Riser Sand Pack Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	
24	13		6	24"/NR	6	No recovery			---	
			3							
			3							
			7							
26	14		15	24"/24"	41	Olive grey, 5 Y 4/1, wet, medium dense, medium to coarse, well sorted sand	SW		529.0	
			15							
			26							
			32							
28	15									
						EOB @ 28 fbg				
30										

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING B4A
Client: Solutia Inc. Proj. Loc: Sauget Area 1 File No.: 10040/23548	Sampler: 3" Diameter Split Spoon Hammer: 140 lb Fall: 30"	Page 1 of 2 Location: Site G Start Date: 10/11/99 End Date: 10/12/99
Boring Company: Layne-Western Foreman: Dale Mahurin/ Mark McNamara OBG Geologist: Tony Finch		Screen = \ Grout Riser Sand Pack Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing HNu (ppm)
0						Augered down to 2'			
1									
2	1		11	24"/18"	26	Moderate yellowish brown 10YR5/4			34.4
			10			damp silt, grades to fill - concrete			
3			16			and slag			
			7						
4	2		7	24"/18"	14	Same as above, mostly slag material			25.1
			7						
5			7						
			6						
6	3		3	24"/6"	3	Same as above, large brick pieces			31.4
			1						
7			2						
			6						
8	4		1	24"/6"	3	Olive grey 5Y4/1 damp very soft	CH		33.6
			2			clay, trace silt			
9			1						
			4						
10	5		0	24"/NR	5	No recovery			---
			2						
11			3						
			2						
12	6		4	24"/12"	5	Greyish orange 10YR7/4 damp soft	CL		401.0
			3			clay, trace silt, pieces of glass			
13			2						
			5						
14	7		0	24"/24"	9	Same as above, paper pieces	CL		266.0
			5						
15			4						
			6						
16	8		2	24"/24"	6	Rubber, fabric, paper			253.0
			2						
17			4						
			6						
18	9		4	24"/6"	23	Black N1 wet, stiff clay, pieces of	CH		358.0
			8			fabric			
19			15						
			9						
20	10		4	24"/NR	7	No recovery, wood in tip			---
			4						
21			3						
			3						
22	11		11	24"/6"	15	Black N1, fill material, steel bolt,			245.0
			11			yellow substance			
23			4						
			3						

Subsequent to sampling activities; MW "Leach-G" was installed. 2" diameter stainless steel riser was connected to 5' of 0.010 inch slot stainless steel screen extending from 24' - 29'. Sand placed from 29' to 21'. Bentonile chips from 21' to 17'; 17' to surface with grout well. Stand up cover with pad installed at surface.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING B4A
Client: Solutia Inc. Proj. Loc: Sauget Area 1 File No.: 10040/23548	Sampler: 3" Diameter Split Spoon Hammer: 140 lb Fall: 30"	Page 2 of 2 Location: Site G Start Date: 10/11/99 End Date: 10/12/99
Boring Company: Layne-Western Foreman: Dale Mahurin/ Mark McNamara OBG Geologist: Tony Finch		Screen / Riser / Grout / Sand Pack / Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	
24	12		1	24"/12"	4	Grayish orange 10YR7/4 wet very loose fine to medium sand, trace silt	SM		98.7	
			2							
25			2							
			1							
26										
						EOB @ 29 fbg				
27										
28										
29										
30										
31										
32										
33										
34										
35										
36										
37										
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44										
45										
46										
47										

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING B5
Client: Solutia Inc. Proj. Loc: Sauget Area 1 File No.: 10040/23548	Sampler: 3" Diameter Split Spoon Hammer: 140 lb Fall: 30"	Page 1 of 2 Location: Site G Start Date: 10/12/99 End Date: 10/13/99
Boring Company: Layne-Western Foreman: Dale Mahurin OBG Geologist: Tony Finch		Screen = \ Grout Riser Sand Pack Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing HNu (ppm)
						Augered down to 14 fbg			
14	1		2	24"/6"	2	Black N1 wet fine sand, pieces of concrete			62.4
			1						
15			1						
			1						
16						Skipped sample			
17									
18	2		1	24"/6"	2	Fill-wood, slag, wet			86.4
			1						
19			1						
			3						
20						Skipped sample			
21									
22	3		4	24"/NR	34	No recovery			---
			14						
23			20						
			17						
24	4		4	24"/12"	26	Black N1 wet medium dense fine sand, pieces of concrete	SW		1300.0
			13						
25			13						
			12						
26	5		6	24"/24"	11	Dusky yellowish brown 10YR2/2 loose wet fine sand	SW		0.0
			5						
27			6						
			6						
28	6		4	24"/24"	11	Dark yellowish brown 10YR4/2 loose wet silt and fine sand	SM		1231.0
			6						
29			5						
			19						
30	7		2	24"/24"	14	Same as above	SM		1367.0
			4						
31			10						
			11						
32	8		8	24"/24"	42	Light olive grey 5Y5/2 wet medium dense fine sand, trace silt	SM		294.0
			17						
33			25						
			31						
34	9		4	24"/24"	34	Same as above	SM		705.0
			13						
35			21						
			27						
36	10		4	24"/18"	15	Moderate yellowish brown 10YR5/4 wet loose fine sand, trace silt	SM		260.0
			4						
			11						

Subsequent to sampling activities; hole was backfilled with grout.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING B5
Client: Solutia Inc. Proj. Loc: Sauget Area 1 File No.: 10040/23548	Sampler: 3" Diameter Split Spoon Hammer: 140 lb Fall: 30"	Page 2 of 2 Location: Site G Start Date: 10/12/99 End Date: 10/13/99
Boring Company: Layne-Western Foreman: Dale Mahurin OBG Geologist: Tony Finch		Screen = \ Grout Riser Sand Pack Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing HNu (ppm)	
			31							
38	11		2	24"/24"	26	Same as above	SM		396.0	
			9							
39			17							
			21							
40										
						EOB @ 40 fbg				
41										
42										
43										
44										
45										
46										
47										
48										
49										
50										
51										
52										
53										
54										
55										
56										
57										
58										
59										
60										

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING B1
Client: Solutia Inc. Proj. Loc: Sauget Area 1 File No.: 10040/23548	Sampler: 3" Diameter Split Spoon Hammer: 140 lb. Fall: 30"	Page 1 of 1 Location: Site H Start Date: 10/01/99 End Date: 10/01/99
Boring Company: Layne-Western Foreman: Tim Elders OBG Geologist: Tony Finch		Screen / Riser / Grout / Sand Pack / Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing HNu (ppm)
0	1		9	24"/24"	27	Dark grey N3, dry, medium dense, fine sand; pieces of concrete, slag, brick	SM		14.3
			12						
1			15			Pale yellowish brown, dry silt; pieces of concrete, slag, brick	OL		
			14						
2	2		5	24"/24"	18	Same as above	OL		18.5
			10						
3			8						
			7						
4	3		8	24"/24"	28	Same as above; large pieces of brick	OL		18.8
			18						
5			10						
			8						
6	4		2	24"/24"	4	Olive grey 5Y4/1, damp, stiff clay; pieces of concrete	CH		16.0
			2						
7			2			Olive grey 5Y4/1, damp, soft clay; trace silt	CH		
			5						
8	5		1	24"/24"	7	Olive grey 5Y4/1, damp, soft clay; trace silt; pieces of brick			8.6
			2						
9			5						
			8						
10	6		2	24"/24"	5	Olive grey 5Y4/1, damp, soft clay; piece of concrete at 10.5 ft	CH		4.3
			2						
11			3						
			3						
12	7		1	24"/24"	4	Olive grey 5Y4/1, damp, soft, fat clay; trace silt; no fill observed	CH		1.1
			2						
13			2			EOB @ 12 fbg			
			4						
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									

Subsequent to sampling activities, hole backfilled with grout. Fill observed from surface to 10.5 fbg.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING B2
Client: Solutia Inc.	Sampler: 3" Diameter Split Spoon	Page 1 of 1 Location: Site H
Proj. Loc: Sauget Area 1	Hammer: 140 lb.	Start Date: 10/01/99
File No.: 10040/23548	Fall: 30"	End Date: 10/01/99
Boring Company: Layne-Western Foreman: Tim Elders OBG Geologist: Tony Finch		Screen = \ Grout Riser Sand Pack Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing HNu (ppm)
0	1		4	24"/24"	13	Moderate yellowish brown 10YR5/4, dry, firm silt; pieces of concrete	ML		0.0
			5						
1			8						
			11						
2	2		6	24"/24"	11	Light pale brown 5YR6/4, dry, loose, fine sand; trace silt; pieces of slag	SP/SM		3.6
			6						
3			5						
			4						
4	3		7	24"/24"	24	Light brown 5YR6/4, dry, fine, loose sand; trace silt	SP/SM		12.7
			4						
5			20						
			14			Degraded asphalt			
6	4		5	24"/24"	13	Black N1, moist, loose, coarse sand; pieces of brick, asphalt	SW		12.1
			8						
7			5						
			3						
8	5		2	24"/10"	4	Black N1, stained, moist, loose, fine sand; trace silt; brick pieces	SP		6.3
			2						
9			2						
			4						
10	6		50	6"/NR	NA	No Recovery; appears to be on rubber	---		---
			NA						
11			NA						
			NA						
12	7		50	6"/NR	NA	No Recovery	---		---
			NA						
13			NA						
			NA						
14									
						Auger Refusal			
15						EOB @ 14 fbg			
16									
17									
18									
19									
20									
21									
22									
23									

Auger refusat at 14 fbg, hole backfilled with grout. Fill observed from surface to 10/14 fbg.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING B2A
Client: Solutia Inc. Proj. Loc: Sauget Area 1 File No.: 10040/23548	Sampler: 3" Diameter Split Spoon Hammer: 140 lb. Fall: 30"	Page 1 of 1 Location: Site H Start Date: 10/05/99 End Date: 10/05/99
Boring Company: Layne-Western Foreman: John Phillips OBG Geologist: Tony Finch		Screen / Riser / Grout / Sand Pack / Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing HNu (ppm)
0	1		5	24"/18"	17	Moderate yellowish brown 10YR5/4 dry firm/stiff silt and clay, pieces of brick and concrete	ML		3.3
			5						
1			12						
			11						
2	2		10	24"/18"	16	Same as above, pieces of concrete and brick	ML		6.4
			8						
3			8						
			8						
4	3		6	24"/12"	19	Same as above, pieces of brick, concrete, porcelain	ML		15.4
			8						
5			11						
			10						
6	4		12	24"/12"	13	Greyish black N2 to medium grey N5 damp fill, wood, pellets			0
			5						
7			8						
			6						
8	5		3	24"/24"	5	Medium grey N5 damp soft clay and silt	ML		0
			2						
9			3						
			2						
10	6		7	24"/12"	8	Same as above, piece of rubber in tip	ML		0
			6						
11			2						
			2						
12	7		7	24"/18"	10	Olive grey 5Y4/1 damp firm clay, trace silt	CH		0
			6						
13			4						
			5						
14	8		1	24"/NR	10	No recovery			---
			4						
15			6						
			6						
16	9		3	24"/6"	9	Olive grey 5Y4/1 damp firm fat clay, trace silt	CH		0
			5						
17			4						
			4						
18	10		2	24"/12"	10	Same as above	CH		0
			4						
19			6						
			5						
20									
						EOB @ 20 fbg			
21									
22									
23									

Subsequent to sampling activities, hole was backfilled with grout.
Fill observed from surface to 12 fbg.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING B3
Client: Solutia Inc. Proj. Loc: Sauget Area 1 File No.: 10040/23548	Sampler: 3" Diameter Split Spoon Hammer: 140 lb Fall: 30"	Page 1 of 2 Location: Site H Start Date: 10/04/99 End Date: 10/04/99
Boring Company: Layne-Western Foreman: Tim Elders OBG Geologist: Tony Finch		Screen / Riser / Grout / Sand Pack / Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing HNu (ppm)
0	1		6	24"/12"	16	Dark grey N3, dry, stiff clay; pieces of wood and brick	CL		6.6
			11						
1			35						
			20						
2	2		7	24"/24"	17	Same as above; concrete pieces			2000.0
			5						
3			12						
			15						
4	3		7	24"/12"	12	Same as above; pieces of concrete; white, powdery substance on wood			1785.0
			7						
5			5						
			10						
6	4		2	24"/12"	21	Black N1, damp, slag material; poorly sorted gravel; wood pieces			1370.0
			3						
7			19						
			22						
8	5		4	24"/12"	19	Save as above; wet			93.0
			4						
9			15						
			14						
10	6		2	24"/NR	6	No Recovery			---
			3						
11			3						
			3						
12	7		2	24"/NR	6	No Recovery			---
			4						
13			2						
			3						
14	8		2	24"/6"	5	Black stained pieces of wood			476.0
			2						
15			3						
			4						
16	9		2	24"/NR	4	No Recovery			---
			3						
17			1						
			1						
18	10		0	24"/NR	3	No Recovery			---
			1						
19			2						
			5						
20	11		2	24"/24"	8	Light brown 5YR5/6, wet, soft clay; wood; fabric; copper wire			118.0
			2						
21			6						
			12						
22	12		5	24"/24"	22	Large pieces of wood			149.0
			12						
23			20						
			19						

Subsequent to sampling activities, the hole was grouted.
Fill observed from surface to 24 fbg.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING B3
Client: Solutia Inc. Proj. Loc: Sauget Area 1 File No.: 10040/23548	Sampler: 3" Diameter Split Spoon Hammer: 140 lb Fall: 30"	Page 2 of 2 Location: Site H Start Date: 10/04/99 End Date: 10/04/99
Boring Company: Layne-Western Foreman: Tim Elders OBG Geologist: Tony Finch		Screen = \ Grout Riser Sand Pack Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing HNu (ppm)
24	13		11	24"/NR	6	No Recovery			---
			3						
			3						
			6						
26	14		2	24"/24"	23	Olive grey 5Y4/1, moist, stiff, fat clay; trace silt; no fill	CL		129.0
			8						
			15			Medium to coarse wet sand; no fill; some small clay lenses	SM		
			13						
28	15		3	24"/18"	12	Medium to coarse, wet, loose, poorly sorted sand; trace silt			230.0
			5						
			7						
			7						
30									
						EOB @ 30 fbg			

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING B4
Client: Solutia Inc. Proj. Loc: Sauget Area 1 File No.: 10040/23548	Sampler: 3" Diameter Split Spoon Hammer: 140 lb Fall: 30"	Page 1 of 2 Location: Site H Start Date: 10/04/99 End Date: 10/04/99
Boring Company: Layne-Western Foreman: Tim Elders OBG Geologist: Tony Finch		Screen = \ Grout Riser Sand Pack Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing HNu (ppm)
0	1		4	24"/24"	45	Greyish brown 5YR3/2, dry, hard silt; trace clay; pieces of concrete and brick	ML		0.0
			19						
1			26						
			12						
2	2		6	24"/12"	13	Same as above			0.0
			7						
3			6						
			3						
4	3		4	24"/6"	11	Olive grey 5Y4/1, damp, firm silt; trace clay, concrete and brick	ML		0.6
			4						
5			7						
			7						
6	4		3	24"/24"	3	Olive grey 5Y4/1 to dark grey N3, damp, soft clay; pieces of wood and concrete	CL		0.5
			1						
7			2						
			5						
8	5		7	24"/10"	10	Greyish black N2, dry slag material			15.5
			5						
9			5						
			2						
10	6		1	24"/12"	3	Olive grey 5Y4/1, wet, fine, very loose sand; concrete and slag	SM		11.9
			1						
11			2						
			2						
12	7		2	24"/12"	10	Large pieces of wood and slag			11.7
			4						
13			6						
			9						
14	8		3	24"/6"	9	Black N1, wet pieces of wood and concrete			106.0
			4						
15			5						
			3						
16	9		1	24"/NR	4	No Recovery			---
			2						
17			2						
			4						
18	10		6	24"/NR	18	No Recovery			---
			7						
19			11						
			19						
20	11		22	24"/6"	19	Large pieces of metal, wood, and brick			21.2
			10						
21			9						
			8						
22	12		10	24"/NR	24	No Recovery			---
			10						
23			14						
			16						

Subsequent to sampling activities, the hole was backfilled with grout.
Fill observed from surface to 25'8".

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING B4
Client: Solutia Inc. Proj. Loc: Sauget Area 1 File No.: 10040/23548	Sampler: 3" Diameter Split Spoon Hammer: 140 lb Fall: 30"	Page 2 of 2 Location: Site H Start Date: 10/04/99 End Date: 10/04/99
Boring Company: Layne-Western Foreman: Tim Elders OBG Geologist: Tony Finch		Screen = \ Grout Riser Sand Pack Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing HNu (ppm)
24	13		16	24"/12"	24	Black N1 wood			16.5
			10						
			14						
			12				25'8"		
26	14		11	24"/24"	33	Olive grey 5Y4/1, wet, medium dense, well sorted, fine sand; trace silt	SW		7.5
			14						
			19						
			19						
28									
						EOB @ 28 fbg			
30									

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING B5
Client: Solutia Inc. Proj. Loc: Sauget Area 1 File No.: 10040/23548	Sampler: 3" Diameter Split Spoon Hammer: 140 lb. Fall: 30"	Page 1 of 1 Location: Site H Start Date: 10/05/99 End Date: 10/05/99
Boring Company: Layne-Western Foreman: Mark McNamara OBG Geologist: Tony Finch		Screen / Riser / Grout / Sand Pack / Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing HNu (ppm	
						Augered down to 12 fbg				
						Approximately 7'-8' observed hard material, augered through				
12	1		2-2-2-1	24"/12"	4	Black N1 moist fill material, slag, concrete			4.2	
13										
14										
15										
16										
17										
18										
19										
20	2		3-4-5-6	24"/6"	9	Pieces of wood, wet			9.5	
21										
22										
23										
24	3		4-5-3-3	24"/12"	8	Medium grey N3 wet silt, little fine sand	ML		0	
25						25'10"-Medium grey N3 wet soft clay, trace silt	CL			
26	4		0-0-0-3	24"/24"	0	Medium grey N3 wet very loose fine sand, trace silt	SM		0	
27										
28	5		0-0-1-2	24"/24"	1	Same as above	SM		0	
29										
30										
31										
32										
33						Augered to 33'				
						EOB @ 33 fbg				
34										

Subsequent to sampling activities, hole was backfilled with grout.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING B1
Client: Solutia Inc. Proj. Loc: Sauget Area 1 File No.: 10040/23548	Sampler: 3" Diameter Split Spoon Hammer: 140 lb Fall: 30"	Page 1 of 2 Location: Site I Start Date: 10/13/99 End Date: 10/14/99
Boring Company: Layne-Western Foreman: Dale Mahurin OBG Geologist: Tony Finch		Screen / Riser / Grout / Sand Pack / Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	
0	1		—			Gravel at surface; augered 6"				
			50	18"/6"	51	Gravel and fill sand				
1			51							
			54			Refusal at 2' - moved hole				
2	2		13	24"/6"	76	Dark grey, N3, dry fill; steel, brick				
			55							
3			21							
			11							
4	3		1	24"/18"	9	Dark grey, N3, dry pieces of slag				
			1			and brick				
5			8							
			12							
6	4		6	24"/24"	16	Same as above				
			8							
7			8							
			4							
8	5		1	24"/12"	17	Same as above; also purple				
			5			substance				
9			12							
			6							
10	6		2	24"/18"	3	Black, N1, wet, slag, concrete;				
			2			little fine sand				
11			1							
			1							
12	7		1	24"/NR	6	No recovery; wood piece in tip				
			4							
13			2							
			2							
14	8		2	24"/18"	13	Black, N1, wet, large pieces of				
			6			plastic				
15			7							
			9							
16	9		12	24"/NR	18	No recovery				
			8							
17			10							
			6							
18	10		4	24"/NR	18	No recovery				
			6							
19			12							
			4							
20	11		4	24"/6"	11	Black, N1, wet wood				
			4							
21			7							
			3							
22	12		16	24"/NR	31	No recovery; wood in tip				
			17							
23			14							
			13							

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING B1
Client: Solutia Inc. Proj. Loc: Sauget Area 1 File No.: 10040/23548	Sampler: 3" Diameter Split Spoon Hammer: 140 lb Fall: 30"	Page 2 of 2 Location: Site I Start Date: 10/13/99 End Date: 10/14/99
Boring Company: Layne-Western Foreman: Dale OBG Geologist: Tony Finch		Screen = \ Grout Riser Sand Pack Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)
24	13		12	24"/12"	27	Vinyl and fabric pieces			63.8
			17						
			10						
			12						
26	14		4	24"/18"	5	Black, N1, wet, loose, fine to medium sand; trace silt	SW		42.4
			2						
			3						
			4						
28	15		3	24"/18"	9	Dark olive grey, 5Y2/1, wet, loose, medium to coarse, well sorted sand; trace silt	SW		48.0
			4						
			5						
			12						
30	16								
						EOB @ 30 fbg			
32	17								
34	18								
36	19								
38	20								
40									
42									
44									
46									

Subsequent to sampling activities, the hole was backfilled with grout.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING B2
Client: Solutia Inc.	Sampler: 3" Diameter Split Spoon	Page 1 of 2 Location: Site I
Proj. Loc: Sauget Area 1	Hammer: 140 lb	Start Date: 10/15/99
File No.: 10040/23548	Fall: 30"	End Date: 10/15/99
Boring Company: Layne-Western Foreman: Dale Mahurin OBG Geologist: Tony Finch		Screen / Riser / Grout / Sand Pack / Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing HNu (ppm)	
0	1		NA		50	Augered down 6" through gravel			2.7	
			50							
1			50							Time 1345
			8							
2	2		22	24"/24"	56	Black damp clay and silt, pieces of slag			2000.0	
			34							
3			22							
			24							
4	3		12	24"/12"	21	Same as above			2000.0	
			11							
5			10			Black slag material, damp clay				
			11							
6	4		4	24"/18"	6	Same as above			1549.0	
			3							
7			3							
			4							
8	5		7	24"/18"	12	Same as above, greenish yellow substance in tip			1010.0	
			6							
9			6							
			5							
10	6		4	24"/12"	8	Same as above, rubber, brick, yellow/green substance, powdery			1136.0	
			4							
11			4							
			5							
12	7		5	24"/6"	9	Same as above, wet, wood pieces, no yellow/green substance			934.0	
			4							
13			5							
			5							
14	8		5	24"/NR	13	No recovery, wood in tip			---	
			9							
15			4							
			3							
16	9		4	24"/NR	8	No recovery			---	
			3							
17			5							
			4							
18	10		4	24"/6"	12	Cardboard, wet, copper wire			260.0	
			4							
19			8							
			10							
20	11		7	24"/NR	33	No recovery			---	
			5							
21			28							
			9							
22	12		4	24"/24"	8	Black, wet, soft, clay; pieces of metal			909.0	
			4							
23			4							
			10							

Subsequent to sampling activities; a two inch staniless steel well MW "Leach - I" installed. 2 inch stainless steel riser was connected to 5' of 0.010 inch slot stainless steel screen extending from 23-28'. Sand placed from 28 to 20'; bentonite chips from 20 to 17'; 17' to surface filled with grout well. Stand up cover and pad installed at surface.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING B2
Client: Solutia Inc.	Sampler: 3" Diameter Split Spoon	Page 2 of 2
Proj. Loc: Sauget Area 1	Hammer: 140 lb	Location: Site I
File No.: 10040/23548	Fall: 30"	Start Date: 10/15/99 End Date: 10/15/99

Boring Company: Layne-Western
Foreman: Dale Mahurin
OBG Geologist: Tony Finch

Screen / Riser — Grout / Sand Pack / Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing HNu (ppm)
24	13		4	24"/24"	10	Fill - rubber			235.0
			4						
25			6			Olive grey wet silt, little clay	25' Native?		
			7						
26	14		0	24"/12"	6	Same as above			990.0
			2			Clay lens 2"			
27			4						
			6						
28									
						EOB @ 28 fbg			
29									
30									
31									
32									
33									
34									
35									
36									
37									
38									
39									
40									
41									
42									
43									
44									
45									
46									
47									

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING B3
Client: Solutia Inc. Proj. Loc: Sauget Area 1 File No.: 10040/23548	Sampler: 3" Diameter Split Spoon Hammer: 140 lb. Fall: 30"	Page 1 of 1 Location: Site I Start Date: 10/14/99 End Date: 10/14/99
Boring Company: Layne-Western Foreman: Dale Mahurin OBG Geologist: Tony Finch		Screen / Riser / Grout / Sand Pack / Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)
0	1		---			Gravel at surface; augered 6"			
			15	18"/12"	15	Moderate yellowish brown, 10 YR 5/4,	ML		21.4
1			15			dry, stiff silt			
			12			Fill pieces - concrete, fabric			
2	2		4	24"/18"	14	Olive grey, 5 Y 4/1, damp, firm silt	ML		13.9
			7						
3			7						
			8						
4	3		3	24"/18"	7	Same as above	ML		13.5
			3						
5			4						
			7						
6	4		1	24"/24"	7	Moderate yellowish brown, 10 YR 5/4,	CL		0.0
			3			to dark yellowish brown, 10 YR 4/2,			
7			4			damp, soft clay; little silt			
			2			Dark yellowish brown, 10 YR 4/2,	ML		
8	5		1	24"/24"	6	damp soft silt; little clay			
			3			Moderate yellowish brown, 10 YR 5/4,	ML		0.0
9			3			wet, soft silt; little clay			
			3			Sand lens at 9'-9'4"			
10									
						EOB at 10 fbg			
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									

Subsequent to sampling activities, hole was backfilled with grout.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING B4
Client: Solutia Inc. Proj. Loc: Sauget Area 1 File No.: 10040/23548	Sampler: 3" Diameter Split Spoon Hammer: 140 lb. Fall: 30"	Page 1 of 1 Location: Site I Start Date: 10/14/99 End Date: 10/14/99
Boring Company: Layne-Western Foreman: Dale Mahurin OBG Geologist: Tony Finch		Screen = \ Grout Riser Sand Pack Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)
0	1		---			Gravel at surface; augered 6"			
			30	18"/18"	32	Dark yelloish orange, 10 YR 6/6; dry, very hard silt	ML		1.1
1			32						
			34			Concrete pieces 1.5'-2'			
2	2		10	24"/18"	22	Same as above			0.0
			7						
3			15						
			10			Concrete pieces			
4	3		5	24"/6"	7	Dark yellowish brown, 10 YR 4/2, damp, soft clay; little silt; pieces of concrete, metallic shiny substance observed in split spoon	CL		0.0
			3						
5			4						
			3						
6	4		4	24"/12"	8	Dark yellowish brown, 10 YR 4/2, damp, soft silt	ML		0.0
			4						
7			4						
			5						
8	5		1	24"/24"	3	Moderate yellowish brown, 10 YR 5/4, wet, soft silt; trace clay	ML		1.1
			1						
9			2						
			3						
10									
						EOB @ 10 fbg			
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									

Subsequent to sampling activities, hole was backfilled with grout.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING B5
Client: Solutia Inc. Proj. Loc: Sauget Area 1 File No.: 10040/23548	Sampler: 3" Diameter Split Spoon Hammer: 140 lb Fall: 30"	Page 1 of 2 Location: Site I Start Date: 10/14/99 End Date: 10/15/99
Boring Company: Layne-Western Foreman: Dale Mahurin OBG Geologist: Tony Finch		Screen = \ Grout Riser Sand Pack Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)
0	1					Gravel at surface; augered 6"			
			44	18"/4"	50	Concrete pieces, fill sand			0.0
1			50						
			50						
2	2		2	24"/NR	13	No recovery			---
			9						
3			4						
			4						
4	3		3	24"/6"	4	Olive black, 5 Y 2/1, damp, very loose, poorly sorted, fine sand; pieces of wood and concrete	SP		0.0
			2						
5			2						
			4						
6	4		3	24"/18"	10	Dark grey, N3, moist; pieces of slag and concrete			6.3
			5						
7			5						
			3						
8	5		1	24"/18"	3	Same as above			0.3
			1			Dark grey, N3, moist, very soft clay; pieces of white substance	CL		
9			2						
			4						
10	6		1	24"/NR	4	No recovery			---
			2						
11			2						
			3						
12	7		6	24"/18"	48	Greenish black, 5 GY 2/1, wet fill material; slag; metal; wood; fiberous material			465.0
			15						
13			33						
			25						
14	8		8	24"/6"	4	Same as above			365.0
			2						
15			2						
			7						
16	9		5	24"/NR	10	No recovery			---
			7						
17			3						
			4						
18	10		6	24"/NR	6	No recovery			---
			3						
19			3						
			5						
20	11		4	24"/6"	7	Black, N1, wet, slag, concrete, wood pieces			511.0
			4						
21			3						
			3						
22	12		5	24"/NR	10	No recovery			---
			5						
23			5						
			19						

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING B5
Client: Solutia Inc. Proj. Loc: Sauget Area 1 File No.: 10040/23548	Sampler: 3" Diameter Split Spoon Hammer: 140 lb Fall: 30"	Page 2 of 2 Location: Site I Start Date: 10/14/99 End Date: 10/15/99
Boring Company: Layne-Western Foreman: Dale Mahurin OBG Geologist: Tony Finch		Screen = \ Grout Riser Sand Pack Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)
24	13		9	18"/12"	28	Black, N1, wet, large piece of wood, glass, fiberous material			836.0
			28						
			50						

26	14		37	24"/18"	22	Same as above			243.0
			17						
			5			Olive black, 5 Y 2/1, wet, loose silt; trace clay	MH		
			9						
28	15		5	24"/6"	8	Black, N1, wet, soft clay; trace silt	CH		175.0
			4						
			4						
			5						
30	16		1	24"/12"	5	Same as above			125.0
			1						
			4						
			8						
32	17		1	24"/12"	5	Olive black, 5Y2/1, wet, very loose, well sorted fine sand; trace silt	SW		331.0
			1						
			4						
			3						
34	18		2	24"/6"	12	Same as above			576.0
			6						
			6						
			7						
36	19		1	24"/NR	8	No recovery			---
			3						
			5						
			10						
38	20		2	24"/18"	13	Olive grey, 5Y4/1, wet medium to coarse, loose, well sorted sand	SW		309.0
			5						
			8						
			12						
40			4	24"/18"	21	Dark yellowish brown, 10YR4/2, wet, medium dense, well sorted sand	SW		176.0
			9						
			12						
			14						
42						EOB @ 40 fbg			
44									
46									

Subsequent to sampling activities, the hole was backfilled with grout.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING B1
Client: Solutia Inc. Proj. Loc: Sauget Area 1 File No.: 10040/23548	Sampler: 3" Diameter Split Spoon Hammer: 140 lb Fall: 30"	Page 1 of 1 Location: Site L Start Date: 09/28/99 End Date: 09/29/99
Boring Company: Layne-Western Foreman: Mark McNamara OBG Geologist: Tony Finch		Screen = \ Grout Riser Sand Pack Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing HNu (ppm)
0	1		10	24"/12"	57	Moderate yellowish brown 10YR5/4	CL		0.0
			15			damp, hard clay with sand			
1			42						
			50			Concrete fragments			
2	2		10	24"/12"	19	Moderate yellowish brown 10YR5/4	CL		0.0
			11			damp, silty clay; firm to stiff; pieces			
3			8			of concrete, slag			
			6						
4	3		2	24"/24"	8	Olive-black 5Y2/1, damp, firm clay;	CL		0.0
			3			some silt; pieces of concrete, glass,			
5			5			rubber			
			7						
6	4		4	24"/12"	14	Grayish brown 5YR3/2, damp, firm	CL		0.0
			6			clay; some silt, pieces of rubber			
7			8						
			21						
8	5		9	24"/NR	16	No Recovery			---
			9						
9			7						
			5						
10	6		3	24"/12"	7	Dark gray N3, moist, soft, fat clay;	CL		52.6
			3			little silt; fiber material; pieces of brick			
11			4						
			7						
12	7		3	24"/12"	9	Grayish black N2, wet, soft, fat	CL		20.9
			3			clay; pieces of brick			
13			6				13.5'		
			5			Dark greenish grey 5GY4/1, wet,	SM		
14	8		5	24"/24"	17	loose, fine sand; trace silt			0.0
			7			Olive grey 5Y4/1, wet, fine, loose			
15			10			sand; trace silt			
			11						
16	9		2	24"/18"	10	Olive grey 5Y4/1, wet, fine, loose			21.1
			4			sand; trace silt			
17			6						
			5						
18									
						EOB @ 18 fbg			
19									
20									
21									
22									
23									

Augers pulled after sampling activities and hole grouted to surface. Fill observed from 18" to 13.5'.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING B2
Client: Solutia Inc.	Sampler: 3" Diameter Split Spoon	Page 1 of 1 Location: Site L
Proj. Loc: Sauget Area 1	Hammer: 140 lb	Start Date: 09/29/99
File No.: 10040/23548	Fall: 30"	End Date: 09/29/99

Boring Company: Layne-Western
Foreman: Tim Elders
OBG Geologist: Tony Finch

Screen / Riser / Grout / Sand Pack / Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing HNu (ppm)
0	1		8	24"/24"	37	Greenish black 5GY2/1, dry fill material-brick, slag, concrete	WM		21.0
			20						
1			17						
			12						
2	2		10	24"/18"	28	Same as above; also pieces of wood	WM		18.3
			20						
3			8						
			12						
4	3		4	24"/18"	9	Same as above	WM		48.7
			4						
5			5			Light olive grey 5Y6/1, damp, loose silt; trace clay			
			4						
6	4		7	24"/24"	9	Dusky yellow 5Y6/4 to moderate olive brown 5Y4/4, wet, loose silt; trace clay	SM		93.2
			4						
7			5						
			6						
8	5		4	24"/NR	9	No Recovery			---
			5						
9			4						
			3						
10	6		1	24"/24"	3	Dark grey N3, wet, very loose, fine sand; some silt	SM		2.1
			2						
11			1						
			1						
12									
						EOB @ 12 fbg			
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									

Subsequent to sampling activities, augers were pulled and hole was grouted to surface. Fill observed grade to 5 fbg.
WM - waste material

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING B3
Client: Solutia Inc. Proj. Loc: Sauget Area 1 File No.: 10040/23548	Sampler: 3" Diameter Split Spoon Hammer: 140 lb. Fall: 30"	Page 1 of 1 Location: Site L Start Date: 09/30/99 End Date: 09/30/99
Boring Company: Layne-Western Foreman: Tim Elders OBG Geologist: Tony Finch		Screen / Riser / Grout / Sand Pack / Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing HNu (ppm)
0	1		7	24"/24"	14	Black N1, dry, medium dense waste fill material. slag, concrete, brick			12.3
			7						
1			7						
			18						
2	2		12	24"/24"	11	Dark olive black 5Y2/1, damp, firm clay; trace silt; pieces of glass and green material	FILL		4.2
			5						
3			6				3'		
			8			Olive grey 5Y4/1, damp clay; some silt; no fill observed			
4	3		5	24"/12"	7		CH		45.9
			3			Olive grey 5Y4/1, damp, soft, fat clay; trace silt; no fill observed			
5			4						
			6						
6	4		2	24"/12"	6	Dark grey N3, damp, soft, fat clay; trace silt	CH		154.0
			2						
7			4						
			7						
8	5		2	24"/24"	7	Greyish black N2, moist to wet, soft, fat clay; trace silt	CH		235.0
			3						
9			4						
			6						
10	6								
						EOB @ 10 fbg			
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									

Subsequent to sampling activities, hole backfilled with grout. Fill observed from surface to 3 fbg.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING B4
Client: Solutia Inc. Proj. Loc: Sauget Area 1 File No.: 10040/23548	Sampler: 3" Diameter Split Spoon Hammer: 140 lb. Fall: 30"	Page 1 of 1 Location: Site L Start Date: 09/30/99 End Date: 09/30/99
Boring Company: Layne-Western Foreman: Tim Elders OBG Geologist: Tony Finch		Screen / Riser / Grout / Sand Pack / Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing HNu (ppm)
0	1		6	24"/24"	34	Dark grey N3 fill material, pieces of concrete			2.9
			10						
1			24			Moderate yellowish brown 10YR5/4, dry clay; some silt			
			8						
2	2		14	24"/24"	26	Olive grey 5Y4/1, damp, stiff clay and silt; pieces of wood and concrete	CH		42.5
			12						
3			14						
			15						
4	3		8	24"/24"	26	Olive green/grey 5Y4/1, damp, stiff clay; trace silt; large pieces of brick	CH		530.0
			10						
5			16						
			14						
6	4		3	24"/24"	9	Same as above; soft; pieces of brick	CH		163.0
			4						
7			5						
			6						
8	5		2	24"/24"	4	Light olive grey 5Y6/1, damp, soft, fat clay	CH		118.0
			2						
9			2						
			4						
10	6		1	24"/12"	4	Moderate yellowish brown 10YR5/4, wet, soft clay; trace silt	CH		728.0
			1						
11			3						
			4						
12									
						EOB @ 12 fbg			
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									

Subsequent to sampling activities, hole backfilled with grout. Fill observed from surface to 8 fbg.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING B5
Client: Solutia Inc. Proj. Loc: Sauget Area 1 File No.: 10040/23548	Sampler: 3" Diameter Split Spoon Hammer: 140 lb. Fall: 30"	Page 1 of 1 Location: Site L Start Date: 10/07/99 End Date: 10/07/99
Boring Company: Layne-Western Foreman: John Phillips OBG Geologist: Tony Finch		Screen / Riser / Grout / Sand Pack / Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing HNu (ppm)
						Augered down to 8 fbg, refusal at 3' at 2 locations			
8	1		2	24"/6"	15	Black N1 damp firm fat clay, pieces of brick/concrete	CL		128
			5						
9			10						
			10						
10	2		2	24"/12"	10	Olive grey 5Y4/1 damp firm fat clay, pieces of brick/concrete	CL		236
			5						
11			5						
			5						
12	3		1	24"/18"	4	Medium grey N5 moist soft clay, trace silt	CL		13.9
			2						
13			2						
			2						
14	4		4	24"/12"	11	Olive grey 5Y4/1 wet silt, little clay	ML		13.6
			5						
15			6						
			13						
16	5		10	24"/12"	32	Olive grey 5Y4/1 wet medium dense fine sand, trace silt	SW		1.5
			12						
17			20						
			12						
18	6		9	24"/24"	28	Olive grey 5Y4/1 set medium dense fine sand, some silt	SW		0.6
			13						
19			15						
			20						
20	7		6	24"/12"	23	Olive grey 5Y4/1 loose fine sand, some silt	SM		16.5
			8						
21			15						
			15						
22	8		8	24"/12"	37	Same as above	SM		6.2
			15						
23			22						
			23						
24	9		20	24"/12"	40	Same as above	SM		85
			20						
25			20						
			20						
26	10		27	24"/12"	58	Same as above	SM		18.6
			28						
27			30						
			27						
28	11								
						EOB @ 28 fbg			
29									
30									

Subsequent to sampling activities, hole was backfilled with grout.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING B1
Client: Solutia Inc.	Sampler: 3" Split-Spoon	Page 1 of 1 Location: Site N
Proj. Loc: Sauget, IL	Hammer: 140 lb	Start Date: 11/30/99
File No.: 23548	Fall: 30"	End Date: 11/30/99
Boring Company: Layne Foreman: Dale Mahurin OBG Geologist: Tony Finch		Screen = \ Grout Riser Sand Pack Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing HNU (ppm)
0	1		28	24"/24"	30	Moderate yellowish brown 10YR5/4, stiff silt and clay,			0
			16			pieces of concrete			
1			14						
			14						
2	2		6	22"/18"	11	Same as above, pieces of concrete			0
			6						
3			5						
			50/4"						
4	3		29	24"/12"	66	Dark grey N3, damp, very hard silt; sampler filled mostly			2.7
			30			concrete, wood in tip			
5			36						
			28						
6	4		5	24"/18"	16	Dark greenish grey 5GY4/1, damp, firm clay; little silt,			1.8
			6			pieces of wood			
7			10						
			10						
8	5		9	24"/18"	6	Damp pieces of wood; green material, pieces of glass			1.6
			3						
9			3						
			5						
10	6		3	12"/6"	50	Grayish black N2 wet, fine gravel; pieces of vinyl			2.1
			50						
11			---						

12	7		6	24"/12"	8	Black N1, wet pieces of wood			22.1
			5						
13			3						
			2						
14	8		2	24"/12"	8	Black N1, wet fine to medium gravel and pieces of			65.7
			1			concrete			
15			7						
			10				15'6"		
16	9		3	24"/24"	9	Olive grey 5Y4/1, wet, loose, fine sand; trace silt			0
			6						
17			3						
			5						
18									
						EOB @ 18 fbg			
19									
20									
21									
22									
23									

Subsequent to sampling activities, the augers were removed and the hole grouted.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING B2
Client: Solutia Inc.	Sampler: 3" Split-Spoon	Page 1 of 1 Location: Site N
Proj. Loc: Sauget, IL	Hammer: 140 lb	Start Date: 12/01/99
File No.: 23548	Fall: 30"	End Date: 12/01/99
Boring Company: Layne Foreman: Dale Mahurin OBG Geologist: Tony Finch		Screen = \ Grout Riser Sand Pack Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing HNU (ppm)
0	1		28	24"/18"	56	Dark yellowish brown 10YR4/2, dry, very hard clay;			0.1
			26			some silt; large pieces of concrete			
1			30						
			33						
2	2		13	24"/12"	28	Same as above, pieces of concrete, wood, vinyl			0
			15			and plastic			
3			13						
			22						
4	3		2	24"/12"	21	Dark yellowish brown 10YR4/2, firm clay; some			0
			13			silt; pieces of concrete, plastic and aluminum			
5			8						
			5						
6	4		1	24"/6"	5	Large piece of plastic, pieces of wood			
			2						
7			3						
			2						
8	5		---	---	---	Spoon refusal			---

9			---						

10	6		50	6"/NR	---	No recovery			---

11			---						

12	7		5	24"/NR	7	No recovery			---
			4						
13			3						
			3						
14	8		5	24"/6"	16	Dark grey N3, wet, firm clay; some silt, pieces of			0
			10			wood			
15			6						
			5						
16	9		5	24"/6"	16	Dark grey N3, wet, medium dense fine sand;			0.3
			6			pieces of rubber and plastic			
17			10						
			30						
18	10		2	24"/12"	20	Olive grey 5Y4/1 wet, loose silt and fine sand			0
			8						
19			12						
			20						
20									
						EOB @ 20 fbg			
21									
22									
23									

Subsequent to sampling activities, the augers were removed and the hole grouted.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING B3
Client: Solutia Inc.	Sampler: 3" Split-Spoon	Page 1 of 1 Location: Site N
Proj. Loc: Sauget, IL	Hammer: 140 lb	Start Date: 12/01/99
File No.: 23548	Fall: 30"	End Date: 12/01/99
Boring Company: Layne Foreman: Dale Mahurin OBG Geologist: Tony Finch		Screen = \ Grout Riser Sand Pack Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing HNU (ppm)
0	1		9	24"/24"	23	Pale yellowish brown 10YR6/2, dry, stiff silt;			0
			12			trace sand			
1			11				1'		
			12						
2	2		10	24"/12"	18	Concrete and slag pieces, brick pieces			1 1
			9						
3			9						
			3						
4	3		4	24"/24"	11	Olive grey 5Y4/1 to moderate yellowish brown			0
			4			10YR5/4 damp, firm silt; little clay			
5			7						
			9						
6	4		4	24"/24"	9	Same as above			0
			4						
7			5						
			6						
8	5								
						EOB @ 8 fbg			
9									
10	6								
11									
12	7								
13									
14	8								
15									
16	9								
17									
18	10								
19									
20									
21									
22									
23									

Subsequent to sampling activities, the augers were removed and the hole grouted.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING B4
Client: Solutia Inc.	Sampler: 3" Split-Spoon	Page 1 of 1 Location: Site N
Proj. Loc: Sauget, IL	Hammer: 140 lb	Start Date: 12/02/99
File No.: 23548	Fall: 30"	End Date: 12/02/99

Boring Company: Layne
Foreman: Dale Mahurin
OBG Geologist: Tony Finch

Screen / Riser / Grout / Sand Pack / Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing HNU (ppm)
0	1		4	24"/24"	18	Moderate yellowish brown 10YR5/4, dry, firm			0.5
			9			silt; little clay, pieces of brick and concrete			
1			9						
			14						
2	2		5	24"/24"	15	Grades to pale yellowish brown 10YR6/2,			0
			7			damp, well sorted, loose, fine sand; trace silt			
3			8						
			9						
4	3		4	24"/12"	9	Same as above; moist			0
			4						
5			5						
			3						
6	4		2	24"/18"	8	Moderate yellowish brown 10YR5/4, wet, soft silt			0
			3			and fine sand			
7			5						
			8						
8	5								
						EOB @ 8 fbg			
9									
10	6								
11									
12	7								
13									
14	8								
15									
16	9								
17									
18	10								
19									
20									
21									
22									
23									

Subsequent to sampling activities, the augers were removed and the hole grouted.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING B5
Client: Solutia Inc. Proj. Loc: Sauget, IL File No.: 23548	Sampler: 3" Split-Spoon Hammer: 140 lb Fall: 30"	Page 1 of 1 Location: Site N Start Date: 12/01/99 End Date: 12/02/99
Boring Company: Layne Foreman: Dale Mahurin OBG Geologist: Tony Finch		Screen = \ Grout Riser Sand Pack Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing HNU (ppm)	
0						Augered down to 5 fbg				
1										
2										
3										
4										
5	1		5	24"/24"	14	Moderate yellowish brown 10YR5/4, wet, firm			0	
			6			silt; little sand				
6			8			Moderate yellowish brown 10YR5/4, damp, firm				
			8			clay				
7										
						EOB @ 7 fbg				
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										

Moved location based on not encountering waste fill.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING B5A
Client: Solutia Inc.	Sampler: 3" Split-Spoon	Page 1 of 1 Location: Site N
Proj. Loc: Sauget, IL	Hammer: 140 lb	Start Date: 12/02/99
File No.: 23548	Fall: 30"	End Date: 12/02/99
Boring Company: Layne Foreman: Dale Mahurin OBG Geologist: Tony Finch		Screen = \ Grout Riser Sand Pack Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing HNU (ppm)
0						Augered down to 6 fbg			
1									
2									
3									
4									
5									
6	1		1	24"/NR	5	No recovery, cloth in tip			
			2						
7			3						
			2						
8	2		50/3"		---				
9									
						Auger refusal @ 10 fbg, moved location			
10	3		4	24"/24"	8	Moderate olive brown 5Y4/4 to moderate yellowish			0.1
			5			brown 10YR5/4 wet, loose, fine sand; trace silt			
11			3						
			2						
12	4		3	24"/12"	5	Same as above			0
			3						
13			2						
			3						
14	5		2	24"/24"	4	Same as above; light olive brown 5Y5/6, wet,			0.1
			3			loose silt			
15			1			Black N1, wet, soft clay; little silt			
			2						
16	6		1	24"/18"	11	Same as above; grades to light olive grey 5Y5/2,			0.4
			5			wet, loose fine sand			
17			6						
			7						
18	7		3	24"/24"	12	Same as above			0.8
			5						
19			7						
			12						
20	8		4	24"/24"	13	Same as above; little fine gravel/coarse sand			0.6
			6						
21			7						
			9						
22									
						EOB @ 22 fbg			
23									

Subsequent to soil sampling, augers removed and hole backfilled with grout.

3.3.4.4. Soil Physical Analysis

Thompson Engineering

NOVEMBER 4, 1999

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 3066

REPORT OF: LABORATORY DETERMINATION OF UNIT WEIGHTS, VOID RATIO, POROSITY, AND DEGREE SATURATION
USCOE EM 1110-2-1906 APPENDIX II (VOLUMETRIC METHOD)

SAMPLE IDENTIFICATION: SITE G B1

DATES	TECHNICIAN
SAMPLED: 10/11/99	SAMPLED: CLIENT
TESTED: 10/14/99	TESTED: L. BAXLEY

.... LABORATORY RESULTS ....

(a): SAMPLE HEIGHT (cm):	11.643
(b): SAMPLE DIAMETER (cm):	10.160
(c): SAMPLE AREA (cm2):	81.073
(d): SAMPLE VOLUME (cc):	943.96
e): MASS OF WET SPECIMEN (g):	1898.4
(f): MASS OF DRY SPECIMEN (g):	1620.2
(g): MASS OF CONTAINER (g):	153.47
(h): MASS OF CONTAINER & WET SPECIMEN (g):	361.86
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	331.33
(j): MASS OF WATER (g):	30.53
(k): MASS OF DRY SPECIMEN (g):	177.86
(l): WATER CONTENT (%):	**17.17**
(m): WET DENSITY (PCF):	**125.49**
(n): DRY DENSITY (PCF):	**107.10**
(o): SPECIFIC GRAVITY:	2.685
(p): VOLUME OF SOLIDS (cc):	603.43
(q): VOID RATIO:	**0.56**
(r): DEGREE OF SATURATION (%):	81.69
(s): POROSITY (%):	**36.07**

NOTE: THIS SAMPLE WAS RECIEVED IN A DISTURBED CONDITION AND WAS COMPACTED IN THE LABORATORY FOR DENSITY DETERMINATION. RESULTS ARE ONLY AN INDICATION OF, BUT NOT NECESSARILY REPRESENTATIVE OF, IN-SITU DENSITY.

Leroy Baxley

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Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 NOVEMBER 4, 1999

LAB #: 3062

CLIENT: O'BRINE AND GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : SITE G B1

DATES	TECHNICIAN
SAMPLED:	SAMPLED: CLIENT
TESTED: 10/21/99	TESTED: L. BAXLEY

>>>>>> *LABORATORY RESULTS* <<<<<<<

(A) WEIGHT OF PYCNOMETER (g):	168.73	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	265.33	
(C) WEIGHT OF SAMPLE (g):	96.60	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	667.63	
(E) TEMP. OF PYCNOMETER AND WATER (C):	16.8	
(F) DENSITY OF WATER @ T1(g/ml):	0.998834	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	728.23	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	16.8	
(I) DENSITY OF WATER @ T2 (g/ml):	0.998834	

>>>>>>> *COMPUTATIONS* <<<<<<<<

(Gs @ T1)= C/((C+(D-G)):	2.683	
CORRECTION FACTOR (K):	1.000601	
(Gs @ 20 C =(Gs @ T1)*K:)	2.685	

SPECIFIC GRAVITY: 2.685

Leroy Baxley
MATERIALS ENGINEERING LABORATORY

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Thompson Engineering

NOVEMBER 4, 1999

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 3067

REPORT OF: LABORATORY DETERMINATION OF UNIT WEIGHTS, VOID RATIO, POROSITY, AND DEGREE SATURATION USCOE EM 1110-2-1906 APPENDIX II (VOLUMETRIC METHOD)

SAMPLE IDENTIFICATION: SITE G B2

DATES	TECHNICIAN
SAMPLED: 10/11/99	SAMPLED: CLIENT
TESTED: 10/14/99	TESTED: L. BAXLEY

.... LABORATORY RESULTS ....

(a): SAMPLE HEIGHT (cm):	10.851
(b): SAMPLE DIAMETER (cm):	10.160
(c): SAMPLE AREA (cm2):	81.073
(d): SAMPLE VOLUME (cc):	879.72
e): MASS OF WET SPECIMEN (g):	1795.9
(f): MASS OF DRY SPECIMEN (g):	1524.9
(g): MASS OF CONTAINER (g):	151.67
(h): MASS OF CONTAINER & WET SPECIMEN (g):	387.10
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	351.58
(j): MASS OF WATER (g):	35.52
(k): MASS OF DRY SPECIMEN (g):	199.91
(l): WATER CONTENT (%):	**17.77**
(m): WET DENSITY (PCF):	**127.39**
(n): DRY DENSITY (PCF):	**108.17**
(o): SPECIFIC GRAVITY:	2.662
(p): VOLUME OF SOLIDS (cc):	572.85
(q): VOID RATIO:	**0.54**
(r): DEGREE OF SATURATION (%):	88.31
(s): POROSITY (%):	**34.88**

NOTE: THIS SAMPLE WAS RECIEVED IN A DISTURBED CONDITION AND WAS COMPACTED IN THE LABORATORY FOR DENSITY DETERMINATION. RESULTS ARE ONLY AN INDICATION OF, BUT NOT NECESSARILY REPRESENTATIVE OF, IN-SITU DENSITY.

Leroy Bayley

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Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 NOVEMBER 4, 1999

LAB #: 3063

CLIENT: O'BRINE AND GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : SITE G B2

DATES	TECHNICIAN
SAMPLED:	SAMPLED: CLIENT
TESTED: 10/21/99	TESTED: L. BAXLEY

>>>>>> *LABORATORY RESULTS* <<<<<<<

(A) WEIGHT OF PYCNOMETER (g):	178.68	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	232.83	
(C) WEIGHT OF SAMPLE (g):	54.15	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	677.58	
(E) TEMP. OF PYCNOMETER AND WATER (C):	17.0	
(F) DENSITY OF WATER @ T1(g/ml):	0.998800	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	711.38	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	17.0	
(I) DENSITY OF WATER @ T2 (g/ml):	0.998800	

>>>>>>> *COMPUTATIONS* <<<<<<<<

(Gs @ T1)= C/((C+(D-G)):	2.661	
CORRECTION FACTOR (K):	1.000567	
(Gs @ 20 C =(Gs @ T1)*K:)	2.662	

SPECIFIC GRAVITY: 2.662

Leroy Baxley
MATERIALS ENGINEERING LABORATORY

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Thompson Engineering

NOVEMBER 4, 1999

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 3064

REPORT OF: LABORATORY DETERMINATION OF UNIT WEIGHTS, VOID RATIO, POROSITY, AND DEGREE SATURATION
USCOE EM 1110-2-1906 APPENDIX II (VOLUMETRIC METHOD)

SAMPLE IDENTIFICATION: SITE G B3

DATES	TECHNICIAN
SAMPLED: 10/11/99	SAMPLED: CLIENT
TESTED: 10/14/99	TESTED: L. BAXLEY

.... LABORATORY RESULTS ....

(a): SAMPLE HEIGHT (cm):	10.582
(b): SAMPLE DIAMETER (cm):	10.160
(c): SAMPLE AREA (cm2):	81.073
(d): SAMPLE VOLUME (cc):	857.89
e): MASS OF WET SPECIMEN (g):	1586.1
(f): MASS OF DRY SPECIMEN (g):	1399.8
(g): MASS OF CONTAINER (g):	158.94
(h): MASS OF CONTAINER & WET SPECIMEN (g):	324.48
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	305.03
(j): MASS OF WATER (g):	19.45
(k): MASS OF DRY SPECIMEN (g):	146.09
(l): WATER CONTENT (%):	**13.31**
(m): WET DENSITY (PCF):	**115.37**
(n): DRY DENSITY (PCF):	**101.82**
(o): SPECIFIC GRAVITY:	2.608
(p): VOLUME OF SOLIDS (cc):	536.73
(q): VOID RATIO:	**0.60**
(r): DEGREE OF SATURATION (%):	58.01
(s): POROSITY (%):	**37.44**

NOTE: THIS SAMPLE WAS RECIEVED IN A DISTURBED CONDITION AND WAS COMPACTED IN THE LABORATORY FOR DENSITY DETERMINATION. RESULTS ARE ONLY AN INDICATION OF, BUT NOT NECESSARILY REPRESENTATIVE OF, IN-SITU DENSITY.

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REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 NOVEMBER 4, 1999

LAB #: 3060

CLIENT: O'BRINE AND GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : SITE G B3

DATES	TECHNICIAN
SAMPLED:	SAMPLED: CLIENT
TESTED: 10/21/99	TESTED: L. BAXLEY

>>>>>> *LABORATORY RESULTS* <<<<<<<

(A) WEIGHT OF PYCNOMETER (g):	166.31	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	251.76	
(C) WEIGHT OF SAMPLE (g):	85.45	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	665.57	
(E) TEMP. OF PYCNOMETER AND WATER (C):	17.3	
(F) DENSITY OF WATER @ T1(g/ml):	0.998746	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	718.24	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	17.3	
(I) DENSITY OF WATER @ T2 (g/ml):	0.998746	

>>>>>>> *COMPUTATIONS* <<<<<<<<

(Gs @ T1)= C/((C+(D-G)):	2.607	
CORRECTION FACTOR (K):	1.000513	
(Gs @ 20 C =(Gs @ T1)*K:)	2.608	

SPECIFIC GRAVITY: 2.608

Leroy Bayley
MATERIALS ENGINEERING LABORATORY

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NOVEMBER 4, 1999

CLIENT: O'BRIEN AND GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT

JOB #: 1999.00.0774
LAB #: 3065

REPORT OF: LABORATORY DETERMINATION OF UNIT WEIGHTS, VOID RATIO, POROSITY, AND DEGREE SATURATION
USCOE EM 1110-2-1906 APPENDIX II (VOLUMETRIC METHOD)

SAMPLE IDENTIFICATION: SITE G B4

DATES	TECHNICIAN
SAMPLED: 10/11/99	SAMPLED: CLIENT
TESTED: 10/14/99	TESTED: L. BAXLEY

.... LABORATORY RESULTS ....

(a): SAMPLE HEIGHT (cm):	8.151
(b): SAMPLE DIAMETER (cm):	10.160
(c): SAMPLE AREA (cm2):	81.073
(d): SAMPLE VOLUME (cc):	660.82
(e): MASS OF WET SPECIMEN (g):	1215.7
(f): MASS OF DRY SPECIMEN (g):	1099.2
(g): MASS OF CONTAINER (g):	134.18
(h): MASS OF CONTAINER & WET SPECIMEN (g):	324.30
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	306.08
(j): MASS OF WATER (g):	18.22
(k): MASS OF DRY SPECIMEN (g):	171.90
(l): WATER CONTENT (%):	**10.60**
(m): WET DENSITY (PCF):	**114.80**
(n): DRY DENSITY (PCF):	**103.80**
(o): SPECIFIC GRAVITY:	2.713
(p): VOLUME OF SOLIDS (cc):	405.16
(q): VOID RATIO:	**0.63**
(r): DEGREE OF SATURATION (%):	45.57
(s): POROSITY (%):	**38.69**

NOTE: THIS SAMPLE WAS RECIEVED IN A DISTURBED CONDITION AND WAS COMPACTED IN THE LABORATORY FOR DENSITY DETERMINATION. RESULTS ARE ONLY AN INDICATION OF, BUT NOT NECESSARILY REPRESENTATIVE OF, IN-SITU DENSITY.

Leroy Bailey

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Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 NOVEMBER 4, 1999

LAB #: 3061

CLIENT: O'BRINE AND GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : SITE G B4

DATES	TECHNICIAN
SAMPLED:	SAMPLED: CLIENT
TESTED: 10/21/99	TESTED: L. BAXLEY

>>>>>> LABORATORY RESULTS <<<<<<<

(A) WEIGHT OF PYCNOMETER (g):	174.54	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	231.16	
(C) WEIGHT OF SAMPLE (g):	56.62	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	673.68	
(E) TEMP. OF PYCNOMETER AND WATER (C):	17.0	
(F) DENSITY OF WATER @ T1(g/ml):	0.998800	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	709.42	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	17.0	
(I) DENSITY OF WATER @ T2 (g/ml):	0.998800	

>>>>>>> COMPUTATIONS <<<<<<<<

(Gs @ T1)= C/((C+(D-G)):	2.712	
CORRECTION FACTOR (K):	1.000567	
(Gs @ 20 C =(Gs @ T1)*K:)	2.713	

SPECIFIC GRAVITY: 2.713

Leroy Bailey
MATERIALS ENGINEERING LABORATORY

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Thompson Engineering

OCTOBER 7, 1999

CLIENT: O'BRIEN & GERE ENGINEERS, INC. JOB #: 1999-00-0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 2995

REPORT OF: LABORATORY DETERMINATION OF UNIT WEIGHTS, VOID RATIO, POROSITY, AND DEGREE SATURATION
USCOE EM 1110-2-1906 APPENDIX II (VOLUMETRIC METHOD)

SAMPLE IDENTIFICATION: SITE H B-1 DEPTH (FT): 0.0-0.5
SAMPLE DESCRIPTION: SURFACE SOIL

DATES	TECHNICIAN
SAMPLED: 09/27/99	SAMPLED: CLIENT
TESTED: 09/30/99	TESTED: L. BAXLEY

.... LABORATORY RESULTS ....

(a): SAMPLE HEIGHT (cm):	10.373
(b): SAMPLE DIAMETER (cm):	10.160
(c): SAMPLE AREA (cm2):	81.073
(d): SAMPLE VOLUME (cc):	840.97
(e): MASS OF WET SPECIMEN (g):	1200.0
(f): MASS OF DRY SPECIMEN (g):	1155.9
(g): MASS OF CONTAINER (g):	31.53
(h): MASS OF CONTAINER & WET SPECIMEN (g):	163.63
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	158.78
(j): MASS OF WATER (g):	4.85
(k): MASS OF DRY SPECIMEN (g):	127.25
(l): WATER CONTENT (%):	**3.81**
(m): WET DENSITY (PCF):	**89.04**
(n): DRY DENSITY (PCF):	**85.77**
(o): SPECIFIC GRAVITY:	2.355
(p): VOLUME OF SOLIDS (cc):	490.85
(q): VOID RATIO:	**0.71**
(r): DEGREE OF SATURATION (%):	12.58
(s): POROSITY (%):	**41.63**

NOTE: THIS SAMPLE WAS RECIEVED IN A DISTURBED CONDITION AND WAS COMPACTED IN THE LABORATORY FOR DENSITY DETERMINATION. RESULTS ARE ONLY AN INDICATION OF, BUT NOT NECESSARILY REPRESENTATIVE OF, IN-SITU DENSITY.

MATERIALS ENGINEERING LABORATORY

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Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 OCTOBER 7, 1999

CLIENT: O'BRIEN & GERE ENGINEER S, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : SITE H B-1 DEPTH (FT): 0.0-0.5

DATES	TECHNICIAN
SAMPLED: 09/27/99	SAMPLED: CLIENT
TESTED: 10/01/99	TESTED: L. BAXLEY

>>>>>> LABORATORY RESULTS <<<<<<<

(A)	WEIGHT OF PYCNOMETER (g):	174.52
(B)	WEIGHT OF PYCNOMETER AND SAMPLE (g):	246.22
(C)	WEIGHT OF SAMPLE (g):	71.70
D)	WEIGHT OF PYCNOMETER AND WATER (g):	673.48
(E)	TEMP. OF PYCNOMETER AND WATER (C):	19.4
(F)	DENSITY OF WATER @ T1(g/ml):	0.998352
(G)	WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	714.73
(H)	TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	19.4
(I)	DENSITY OF WATER @ T2 (g/ml):	0.998352

>>>>>>> COMPUTATIONS <<<<<<<<

(Gs @ T1)= C/((C+(D-G)):	2.355
CORRECTION FACTOR (K):	1.000118
(Gs @ 20 C =(Gs @ T1)*K:)	2.355

SPECIFIC GRAVITY: 2.355

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Thompson Engineering

OCTOBER 7, 1999

CLIENT: O'BRIEN & GERE ENGINEERS, INC. JOB #: 1999-00-0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 2996

REPORT OF: LABORATORY DETERMINATION OF UNIT WEIGHTS, VOID RATIO, POROSITY, AND DEGREE SATURATION
USCOE EM 1110-2-1906 APPENDIX II (VOLUMETRIC METHOD)

SAMPLE IDENTIFICATION: SITE H B-2 DEPTH (FT): 0.0-0.5
SAMPLE DESCRIPTION: SURFACE SOIL

DATES	TECHNICIAN
SAMPLED: 09/27/99	SAMPLED: CLIENT
TESTED: 09/30/99	TESTED: L. BAXLEY

.... LABORATORY RESULTS ....

(a): SAMPLE HEIGHT (cm):	11.643
(b): SAMPLE DIAMETER (cm):	10.160
(c): SAMPLE AREA (cm2):	81.073
(d): SAMPLE VOLUME (cc):	943.94
(e): MASS OF WET SPECIMEN (g):	1487.8
(f): MASS OF DRY SPECIMEN (g):	1376.2
(g): MASS OF CONTAINER (g):	31.30
(h): MASS OF CONTAINER & WET SPECIMEN (g):	184.18
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	172.71
(j): MASS OF WATER (g):	11.47
(k): MASS OF DRY SPECIMEN (g):	141.41
(l): WATER CONTENT (%):	**8.11**
(m): WET DENSITY (PCF):	**98.35**
(n): DRY DENSITY (PCF):	**90.97**
(o): SPECIFIC GRAVITY:	2.510
(p): VOLUME OF SOLIDS (cc):	548.28
(q): VOID RATIO:	**0.72**
(r): DEGREE OF SATURATION (%):	28.21
(s): POROSITY (%):	**41.92**

NOTE: THIS SAMPLE WAS RECIEVED IN A DISTURBED CONDITION AND WAS COMPACTED IN THE LABORATORY FOR DENSITY DETERMINATION. RESULTS ARE ONLY AN INDICATION OF, BUT NOT NECESSARILY REPRESENTATIVE OF, IN-SITU DENSITY.

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MATERIALS ENGINEERING LABORATORY

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Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 OCTOBER 7, 1999

CLIENT: O'BRIEN & GERE ENGINEER S, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : SITE H B-2 DEPTH (FT): 0.0-0.5

DATES	TECHNICIAN
SAMPLED: 09/27/99	SAMPLED: CLIENT
TESTED: 10/01/99	TESTED: L. BAXLEY

>>>>>> *LABORATORY RESULTS* <<<<<<<

(A) WEIGHT OF PYCNOMETER (g):	168.70
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	267.52
(C) WEIGHT OF SAMPLE (g):	98.82
D) WEIGHT OF PYCNOMETER AND WATER (g):	667.32
(E) TEMP. OF PYCNOMETER AND WATER (C):	19.2
(F) DENSITY OF WATER @ T1(g/ml):	0.998391
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	726.77
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	19.2
(I) DENSITY OF WATER @ T2 (g/ml):	0.998391

>>>>>>> *COMPUTATIONS* <<<<<<<<

(Gs @ T1)= C/((C+(D-G)):	2.510
CORRECTION FACTOR (K):	1.000157
(Gs @ 20 C =(Gs @ T1)*K:)	2.510

SPECIFIC GRAVITY: 2.510

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OCTOBER 7, 1999

CLIENT: O'BRIEN & GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT

JOB #: 1999-00-0774
LAB #: 2997

REPORT OF: LABORATORY DETERMINATION OF UNIT WEIGHTS, VOID RATIO, POROSITY, AND DEGREE SATURATION
USCOE EM 1110-2-1906 APPENDIX II (VOLUMETRIC METHOD)

SAMPLE IDENTIFICATION: SITE H B-3
SAMPLE DESCRIPTION: SURFACE SOIL

DEPTH (FT): 0.0-0.5

DATES		TECHNICIAN	
SAMPLED:	09/27/99	SAMPLED:	CLIENT
TESTED:	09/30/99	TESTED:	L. BAXLEY

.... LABORATORY RESULTS ....

(a): SAMPLE HEIGHT (cm):	9.738
(b): SAMPLE DIAMETER (cm):	10.160
(c): SAMPLE AREA (cm2):	81.073
(d): SAMPLE VOLUME (cc):	789.49
(e): MASS OF WET SPECIMEN (g):	872.2
(f): MASS OF DRY SPECIMEN (g):	835.8
(g): MASS OF CONTAINER (g):	32.04
(h): MASS OF CONTAINER & WET SPECIMEN (g):	136.62
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	132.26
(j): MASS OF WATER (g):	4.36
(k): MASS OF DRY SPECIMEN (g):	100.22
(l): WATER CONTENT (%):	**4.35**
(m): WET DENSITY (PCF):	**68.94**
(n): DRY DENSITY (PCF):	**66.06**
(o): SPECIFIC GRAVITY:	2.090
(p): VOLUME OF SOLIDS (cc):	399.92
(q): VOID RATIO:	**0.97**
(r): DEGREE OF SATURATION (%):	9.33
(s): POROSITY (%):	**49.34**

NOTE: THIS SAMPLE WAS RECIEVED IN A DISTURBED CONDITION AND WAS COMPACTED IN THE LABORATORY FOR DENSITY DETERMINATION. RESULTS ARE ONLY AN INDICATION OF, BUT NOT NECESSARILY REPRESENTATIVE OF, IN-SITU DENSITY.

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MATERIALS ENGINEERING LABORATORY

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REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 OCTOBER 7, 1999

CLIENT: O'BRIEN & GERE ENGINEER S, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : SITE H B-3 DEPTH (FT): 0.0-0.5

DATES	TECHNICIAN
SAMPLED: 09/27/99	SAMPLED: CLIENT
TESTED: 10/01/99	TESTED: L. BAXLEY

>>>>>> LABORATORY RESULTS <<<<<<<

(A) WEIGHT OF PYCNOMETER (g):	169.41	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	228.27	
(C) WEIGHT OF SAMPLE (g):	58.86	
D) WEIGHT OF PYCNOMETER AND WATER (g):	668.27	
(E) TEMP. OF PYCNOMETER AND WATER (C):	19.4	
(F) DENSITY OF WATER @ T1(g/ml):	0.998352	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	698.96	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	19.4	
(I) DENSITY OF WATER @ T2 (g/ml):	0.998352	

>>>>>>> COMPUTATIONS <<<<<<<<

(Gs @ T1)= C/((C+(D-G)):	2.089	
CORRECTION FACTOR (K):	1.000118	
(Gs @ 20 C =(Gs @ T1)*K:)	2.090	

SPECIFIC GRAVITY: 2.090

MATERIALS ENGINEERING LABORATORY

Thompson Engineering

OCTOBER 7, 1999

CLIENT: O'BRIEN & GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT

JOB #: 1999-00-0774
LAB #: 2998

REPORT OF: LABORATORY DETERMINATION OF UNIT WEIGHTS, VOID RATIO, POROSITY, AND DEGREE SATURATION
USCOE EM 1110-2-1906 APPENDIX II (VOLUMETRIC METHOD)

SAMPLE IDENTIFICATION: SITE H B-4
SAMPLE DESCRIPTION: SURFACE SOIL

DEPTH (FT): 0.0-0.5

DATES	TECHNICIAN
SAMPLED: 09/27/99	SAMPLED: CLIENT
TESTED: 09/30/99	TESTED: L. BAXLEY

.... LABORATORY RESULTS ....

(a): SAMPLE HEIGHT (cm):	11.643
(b): SAMPLE DIAMETER (cm):	10.160
(c): SAMPLE AREA (cm2):	81.073
(d): SAMPLE VOLUME (cc):	943.94
(e): MASS OF WET SPECIMEN (g):	1529.7
(f): MASS OF DRY SPECIMEN (g):	1464.3
(g): MASS OF CONTAINER (g):	31.60
(h): MASS OF CONTAINER & WET SPECIMEN (g):	166.95
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	161.16
(j): MASS OF WATER (g):	5.79
(k): MASS OF DRY SPECIMEN (g):	129.56
(l): WATER CONTENT (%):	**4.47**
(m): WET DENSITY (PCF):	**101.12**
(n): DRY DENSITY (PCF):	**96.80**
(o): SPECIFIC GRAVITY:	2.480
(p): VOLUME OF SOLIDS (cc):	590.43
(q): VOID RATIO:	**0.60**
(r): DEGREE OF SATURATION (%):	18.51
(s): POROSITY (%):	**37.45**

NOTE: THIS SAMPLE WAS RECIEVED IN A DISTURBED CONDITION AND WAS COMPACTED IN THE LABORATORY FOR DENSITY DETERMINATION. RESULTS ARE ONLY AN INDICATION OF, BUT NOT NECESSARILY REPRESENTATIVE OF, IN-SITU DENSITY.

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REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 OCTOBER 7, 1999

CLIENT: O'BRIEN & GERE ENGINEER S, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : SITE H B-4 DEPTH (FT): 0.0-0.5

DATES	TECHNICIAN
SAMPLED: 09/27/99	SAMPLED: CLIENT
TESTED: 10/01/99	TESTED: L. BAXLEY

>>>>>> LABORATORY RESULTS <<<<<<<

(A) WEIGHT OF PYCNOMETER (g):	165.96
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	246.91
(C) WEIGHT OF SAMPLE (g):	80.95
D) WEIGHT OF PYCNOMETER AND WATER (g):	664.91
(E) TEMP. OF PYCNOMETER AND WATER (C):	19.4
(F) DENSITY OF WATER @ T1(g/ml):	0.998352
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	713.21
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	19.4
(I) DENSITY OF WATER @ T2 (g/ml):	0.998352

>>>>>>> COMPUTATIONS <<<<<<<<

(Gs @ T1)= C/((C+(D-G)):	2.479
CORRECTION FACTOR (K):	1.000118
(Gs @ 20 C =(Gs @ T1)*K:)	2.480

SPECIFIC GRAVITY: 2.480

MATERIALS ENGINEERING LABORATORY

Thompson Engineering

NOVEMBER 16, 1999

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 3111

REPORT OF: LABORATORY DETERMINATION OF UNIT WEIGHTS, VOID RATIO, POROSITY, AND DEGREE SATURATION
USCOE EM 1110-2-1906 APPENDIX II (VOLUMETRIC METHOD)

SAMPLE IDENTIFICATION: SITE I B1 (0'-0.5')

DATES	TECHNICIAN
SAMPLED: 10/13/99	SAMPLED: CLIENT
TESTED: 11/10/99	TESTED: E. HAGLER

.... LABORATORY RESULTS ....

(a): SAMPLE HEIGHT (cm):	11.643
(b): SAMPLE DIAMETER (cm):	15.240
(c): SAMPLE AREA (cm2):	182.415
(d): SAMPLE VOLUME (cc):	2123.92
(e): MASS OF WET SPECIMEN (g):	4234.7
(f): MASS OF DRY SPECIMEN (g):	4071.4
(g): MASS OF CONTAINER (g):	112.62
(h): MASS OF CONTAINER & WET SPECIMEN (g):	3134.40
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	3018.00
(j): MASS OF WATER (g):	116.40
(k): MASS OF DRY SPECIMEN (g):	2905.38
(l): WATER CONTENT (%):	**4.01**
(m): WET DENSITY (PCF):	**124.41**
(n): DRY DENSITY (PCF):	**119.62**
(o): SPECIFIC GRAVITY (Gavg):	2.680
(p): VOLUME OF SOLIDS (cc):	1519.19
(q): VOID RATIO:	**0.40**
(r): DEGREE OF SATURATION (%):	27.00
(s): POROSITY (%):	**28.47**

NOTE: THIS SAMPLE WAS RECIEVED IN A DISTURBED CONDITION AND WAS COMPACTED IN THE LABORATORY FOR DENSITY DETERMINATION. RESULTS ARE ONLY AN INDICATION OF, BUT NOT NECESSARILY REPRESENTATIVE OF, IN-SITU DENSITY.

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Thompson Engineering

NOVEMBER 16, 1999

		REPORT #:	
CLIENT:	O'BRIEN & GERE ENGINEERS, INC.	JOB #:	1999-00-0774
PROJECT:	SOLUTIA SAUGET AREA I PROJECT	LAB #:	3107

REPORT OF: WEIGHTED AVERAGE SPECIFIC GRAVITY OF SOIL ASTM D 854-92
SAMPLE IDENTIFICATION: SITE I BI (0'-.5')

DATES		TECHNICIAN	
SAMPLED:	10/13/99	SAMPLED:	CLIENT
TESTED:	11/12/99	TESTED:	L. BAXLEY

<<<<<<< LABORATORY RESULTS >>>>>>>

(R1) PERCENT RETAINED ON THE No.4 SIEVE.	46.32
(P1) PERCENT PASSING THE No.4 SIEVE.	53.68
(G1) APPARENT SPECIFIC GRAVITY OF MATERIAL RETAINED ON THE No.4 SIEVE.	2.741
(G2) SPECIFIC GRAVITY OF MATERIAL PASSING THE No.4 SIEVE.	2.630

Gavg = 1/((R1/(100*G1))+(P1/(100*G2)))

Weighted Average Specific Gravity: 2.680

MATERIALS ENGINEERING LABORATORY

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Thompson Engineering

NOVEMBER 15, 1999

REPORT #:
CLIENT: O'BRIEN & GERE ENGINEERS, INC. JOB #: 1999-00-0774
PROJECT: SOLUTIA SAUGET AREA I PROJECT LAB #: 3102

REPORT OF: SPECIFIC GRAVITY AND ABSORPTION OF COARSE AGGREGATE
ASTM C 127 - 88

SAMPLE IDENTIFICATION: SITE I B1 (0'-0.5')
NOTE : REPRESENTS PORTION OF SAMPLE RETAINED ON NO. 4 SIEVE.

DATES		TECHNICIAN	
SAMPLED:	10/13/99	SAMPLED:	CLIENT
TESTED:	11/12/99	TESTED:	L. BAXLEY

WEIGHT OF OVEN DRY SPECIMEN IN AIR (g):	5579.2
WEIGHT OF SATURATED SURFACE DRY SPECIMEN IN AIR (g):	5659.7
WEIGHT OF SATURATED SPECIMEN IN WATER (g):	3543.5

BULK SPECIFIC GRAVITY:	**2.636**
BULK SPECIFIC GRAVITY (SSD):	**2.674**
APPARENT SPECIFIC GRAVITY:	**2.741**
ABSORPTION:	**1.44**

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Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 NOVEMBER 15, 1999
LAB #: 3098

CLIENT: O'BRIEN AND GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : SITE I B1 (0'-0.5')
NOTE: REPRESENTS PORTION OF SAMPLE PASSING THE NO. 4 SIEVE.

DATES	TECHNICIAN
SAMPLED: 10/13/99	SAMPLED: CLIENT
TESTED: 11/12/99	TESTED: L. BAXLEY

>>>>>> LABORATORY RESULTS <<<<<<<

(A) WEIGHT OF PYCNOMETER (g):	178.82	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	324.77	
(C) WEIGHT OF SAMPLE (g):	145.95	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	677.58	
(E) TEMP. OF PYCNOMETER AND WATER (C):	19.4	
(F) DENSITY OF WATER @ T1(g/ml):	0.998352	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	768.02	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	19.4	
(I) DENSITY OF WATER @ T2 (g/ml):	0.998352	

>>>>>>> COMPUTATIONS <<<<<<<<

(Gs @ T1)= C/((C+(D-G)):	2.629	
CORRECTION FACTOR (K):	1.000118	
(Gs @ 20 C =(Gs @ T1)*K:)	2.630	

SPECIFIC GRAVITY: 2.630

MATERIALS ENGINEERING LABORATORY

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Thompson Engineering

NOVEMBER 16, 1999

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 3112

REPORT OF: LABORATORY DETERMINATION OF UNIT WEIGHTS, VOID RATIO, POROSITY, AND DEGREE SATURATION
USCOE EM 1110-2-1906 APPENDIX II (VOLUMETRIC METHOD)

SAMPLE IDENTIFICATION: SITE I B2 (0'-0.5')

DATES	TECHNICIAN
SAMPLED: 10/13/99	SAMPLED: CLIENT
TESTED: 11/10/99	TESTED: E. HAGLER

.... LABORATORY RESULTS ....

(a): SAMPLE HEIGHT (cm):	11.643
(b): SAMPLE DIAMETER (cm):	15.240
(c): SAMPLE AREA (cm2):	182.415
(d): SAMPLE VOLUME (cc):	2123.92
(e): MASS OF WET SPECIMEN (g):	4277.0
(f): MASS OF DRY SPECIMEN (g):	3996.1
(g): MASS OF CONTAINER (g):	207.19
(h): MASS OF CONTAINER & WET SPECIMEN (g):	2999.30
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	2816.00
(j): MASS OF WATER (g):	183.30
(k): MASS OF DRY SPECIMEN (g):	2608.81
(l): WATER CONTENT (%):	**7.03**
(m): WET DENSITY (PCF):	**125.66**
(n): DRY DENSITY (PCF):	**117.40**
(o): SPECIFIC GRAVITY (Gavg):	2.675
(p): VOLUME OF SOLIDS (cc):	1493.86
(q): VOID RATIO:	**0.42**
(r): DEGREE OF SATURATION (%):	44.59
(s): POROSITY (%):	**29.66**

NOTE: THIS SAMPLE WAS RECIEVED IN A DISTURBED CONDITION AND WAS COMPACTED IN THE LABORATORY FOR DENSITY DETERMINATION. RESULTS ARE ONLY AN INDICATION OF, BUT NOT NECESSARILY REPRESENTATIVE OF, IN-SITU DENSITY.

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NOVEMBER 16, 1999

		REPORT #:	
CLIENT:	O'BRIEN & GERE ENGINEERS, INC.	JOB #:	1999-00-0774
PROJECT:	SOLUTIA SAUGET AREA I PROJECT	LAB #:	3108

REPORT OF: WEIGHTED AVERAGE SPECIFIC GRAVITY OF SOIL ASTM D 854-92
SAMPLE IDENTIFICATION: SITE I B2 (0'-.5')

DATES		TECHNICIAN	
SAMPLED:	10/13/99	SAMPLED:	CLIENT
TESTED:	11/12/99	TESTED:	L. BAXLEY

<<<<<<< LABORATORY RESULTS >>>>>>>

(R1) PERCENT RETAINED ON THE No.4 SIEVE.	57.50
(P1) PERCENT PASSING THE No.4 SIEVE.	42.50
(G1) APPARENT SPECIFIC GRAVITY OF MATERIAL RETAINED ON THE No.4 SIEVE.	2.712
(G2) SPECIFIC GRAVITY OF MATERIAL PASSING THE No.4 SIEVE.	2.626

Gavg = 1/((R1/(100*G1))+(P1/(100*G2)))

Weighted Average Specific Gravity: 2.675

MATERIALS ENGINEERING LABORATORY

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Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 NOVEMBER 15, 1999
LAB #: 3101

CLIENT: O'BRIEN AND GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT

SAMPLE IDENTIFICATION : SITE I B2 (0'-0.5')

NOTE: REPRESENTS PORTION OF SAMPLE PASSING THE NO. 4 SIEVE.

DATES		TECHNICIAN	
SAMPLED:	10/13/99	SAMPLED:	CLIENT
TESTED:	11/12/99	TESTED:	L. BAXLEY

>>>>>> LABORATORY RESULTS <<<<<<<

(A) WEIGHT OF PYCNOMETER (g):	174.64	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	344.82	
(C) WEIGHT OF SAMPLE (g):	170.18	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	673.45	
(E) TEMP. OF PYCNOMETER AND WATER (C):	19.7	
(F) DENSITY OF WATER @ T1(g/ml):	0.998293	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	778.81	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	19.7	
(I) DENSITY OF WATER @ T2 (g/ml):	0.998293	

>>>>>>> COMPUTATIONS <<<<<<<<

(Gs @ T1)= C/((C+(D-G)):	2.625	
CORRECTION FACTOR (K):	1.000059	
(Gs @ 20 C =(Gs @ T1)*K:)	2.626	

SPECIFIC GRAVITY: 2.626

MATERIALS ENGINEERING LABORATORY

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NOVEMBER 15, 1999

REPORT #:
CLIENT: O'BRIEN & GERE ENGINEERS, INC. JOB #: 1999-00-0774
PROJECT: SOLUTIA SAUGET AREA I PROJECT LAB #: 3103

REPORT OF: SPECIFIC GRAVITY AND ABSORPTION OF COARSE AGGREGATE
ASTM C 127 - 88

SAMPLE IDENTIFICATION: SITE I B2 (0'-0.5')
NOTE : REPRESENTS PORTION OF SAMPLE RETAINED ON NO. 4 SIEVE.

DATES		TECHNICIAN	
SAMPLED:	10/13/99	SAMPLED:	CLIENT
TESTED:	11/12/99	TESTED:	L. BAXLEY

WEIGHT OF OVEN DRY SPECIMEN IN AIR (g):	4847.5
WEIGHT OF SATURATED SURFACE DRY SPECIMEN IN AIR (g):	4938.1
WEIGHT OF SATURATED SPECIMEN IN WATER (g):	3059.8

BULK SPECIFIC GRAVITY:	**2.581**
BULK SPECIFIC GRAVITY (SSD):	**2.629**
APPARENT SPECIFIC GRAVITY:	**2.712**
ABSORPTION:	**1.87**

MATERIALS ENGINEERING LABORATORY

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Thompson Engineering

NOVEMBER 16, 1999

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 3113

REPORT OF: LABORATORY DETERMINATION OF UNIT WEIGHTS, VOID RATIO, POROSITY, AND DEGREE SATURATION USCOE EM 1110-2-1906 APPENDIX II (VOLUMETRIC METHOD)

SAMPLE IDENTIFICATION: SITE I B3 (0'-0.5')

DATES	TECHNICIAN
SAMPLED: 10/13/99	SAMPLED: CLIENT
TESTED: 11/10/99	TESTED: E. HAGLER

.... LABORATORY RESULTS ....

(a): SAMPLE HEIGHT (cm):	11.643
(b): SAMPLE DIAMETER (cm):	15.240
(c): SAMPLE AREA (cm2):	182.415
(d): SAMPLE VOLUME (cc):	2123.92
(e): MASS OF WET SPECIMEN (g):	4431.8
(f): MASS OF DRY SPECIMEN (g):	4206.3
(g): MASS OF CONTAINER (g):	201.80
(h): MASS OF CONTAINER & WET SPECIMEN (g):	2997.40
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	2855.30
(j): MASS OF WATER (g):	142.10
(k): MASS OF DRY SPECIMEN (g):	2653.50
(l): WATER CONTENT (%):	**5.36**
(m): WET DENSITY (PCF):	**130.20**
(n): DRY DENSITY (PCF):	**123.58**
(o): SPECIFIC GRAVITY (Gavg):	2.726
(p): VOLUME OF SOLIDS (cc):	1543.04
(q): VOID RATIO:	**0.38**
(r): DEGREE OF SATURATION (%):	38.81
(s): POROSITY (%):	**27.35**

NOTE: THIS SAMPLE WAS RECIEVED IN A DISTURBED CONDITION AND WAS COMPACTED IN THE LABORATORY FOR DENSITY DETERMINATION. RESULTS ARE ONLY AN INDICATION OF, BUT NOT NECESSARILY REPRESENTATIVE OF, IN-SITU DENSITY.

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NOVEMBER 16, 1999

		REPORT #:	
CLIENT:	O'BRIEN & GERE ENGINEERS, INC.	JOB #:	1999-00-0774
PROJECT:	SOLUTIA SAUGET AREA I PROJECT	LAB #:	3109

REPORT OF: WEIGHTED AVERAGE SPECIFIC GRAVITY OF SOIL ASTM D 854-92
SAMPLE IDENTIFICATION: SITE I B3 (0'-.5')

DATES		TECHNICIAN	
SAMPLED:	10/13/99	SAMPLED:	CLIENT
TESTED:	11/12/99	TESTED:	L. BAXLEY

<<<<<<< LABORATORY RESULTS >>>>>>>

(R1) PERCENT RETAINED ON THE No.4 SIEVE.	32.14
(P1) PERCENT PASSING THE No.4 SIEVE.	67.86
(G1) APPARENT SPECIFIC GRAVITY OF MATERIAL RETAINED ON THE No.4 SIEVE.	2.779
(G2) SPECIFIC GRAVITY OF MATERIAL PASSING THE No.4 SIEVE.	2.701

Gavg = 1/((R1/(100*G1))+(P1/(100*G2)))

Weighted Average Specific Gravity: 2.726

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REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 NOVEMBER 15, 1999
LAB #: 3099

CLIENT: O'BRIEN AND GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT

SAMPLE IDENTIFICATION : SITE I B3 (0'-0.5')

NOTE: REPRESENTS PORTION OF SAMPLE PASSING THE NO. 4 SIEVE.

DATES	TECHNICIAN
SAMPLED: 10/13/99	SAMPLED: CLIENT
TESTED: 11/12/99	TESTED: L. BAXLEY

>>>>>> LABORATORY RESULTS <<<<<<<

(A) WEIGHT OF PYCNOMETER (g):	169.39
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	366.62
(C) WEIGHT OF SAMPLE (g):	197.23
(D) WEIGHT OF PYCNOMETER AND WATER (g):	668.30
(E) TEMP. OF PYCNOMETER AND WATER (C):	19.1
(F) DENSITY OF WATER @ T1(g/ml):	0.998410
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	792.49
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	19.1
(I) DENSITY OF WATER @ T2 (g/ml):	0.998410

>>>>>>> COMPUTATIONS <<<<<<<<

(Gs @ T1)= C/((C+(D-G)):	2.700
CORRECTION FACTOR (K):	1.000176
(Gs @ 20 C =(Gs @ T1)*K:)	2.701

SPECIFIC GRAVITY: 2.701

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Thompson Engineering

NOVEMBER 15, 1999

REPORT #:
CLIENT: O'BRIEN & GERE ENGINEERS, INC. JOB #: 1999-00-0774
PROJECT: SOLUTIA SAUGET AREA I PROJECT LAB #: 3104

REPORT OF: SPECIFIC GRAVITY AND ABSORPTION OF COARSE AGGREGATE
ASTM C 127 - 88

SAMPLE IDENTIFICATION: SITE I B3 (0'-0.5')
NOTE : REPRESENTS PORTION OF SAMPLE RETAINED ON NO. 4 SIEVE.

DATES		TECHNICIAN	
SAMPLED:	10/13/99	SAMPLED:	CLIENT
TESTED:	11/12/99	TESTED:	L. BAXLEY

WEIGHT OF OVEN DRY SPECIMEN IN AIR (g):	4758.2
WEIGHT OF SATURATED SURFACE DRY SPECIMEN IN AIR (g):	4830.9
WEIGHT OF SATURATED SPECIMEN IN WATER (g):	3046.2

BULK SPECIFIC GRAVITY:	**2.666**
BULK SPECIFIC GRAVITY (SSD):	**2.707**
APPARENT SPECIFIC GRAVITY:	**2.779**
ABSORPTION:	**1.53**

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NOVEMBER 16, 1999

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 3114

REPORT OF: LABORATORY DETERMINATION OF UNIT WEIGHTS, VOID RATIO, POROSITY, AND DEGREE SATURATION
USCOE EM 1110-2-1906 APPENDIX II (VOLUMETRIC METHOD)

SAMPLE IDENTIFICATION: SITE I B4 (0'-0.5')

DATES	TECHNICIAN
SAMPLED: 10/13/99	SAMPLED: CLIENT
TESTED: 11/10/99	TESTED: E. HAGLER

.... LABORATORY RESULTS ....

(a): SAMPLE HEIGHT (cm):	8.334
(b): SAMPLE DIAMETER (cm):	15.240
(c): SAMPLE AREA (cm2):	182.415
(d): SAMPLE VOLUME (cc):	1520.20
(e): MASS OF WET SPECIMEN (g):	3073.9
(f): MASS OF DRY SPECIMEN (g):	2959.9
(g): MASS OF CONTAINER (g):	194.88
(h): MASS OF CONTAINER & WET SPECIMEN (g):	2871.10
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	2771.90
(j): MASS OF WATER (g):	99.20
(k): MASS OF DRY SPECIMEN (g):	2577.02
(l): WATER CONTENT (%):	**3.85**
(m): WET DENSITY (PCF):	**126.18**
(n): DRY DENSITY (PCF):	**121.50**
(o): SPECIFIC GRAVITY (Gavg):	2.714
(p): VOLUME OF SOLIDS (cc):	1090.62
(q): VOID RATIO:	**0.39**
(r): DEGREE OF SATURATION (%):	26.53
(s): POROSITY (%):	**28.26**

NOTE: THIS SAMPLE WAS RECIEVED IN A DISTURBED CONDITION AND WAS COMPACTED IN THE LABORATORY FOR DENSITY DETERMINATION. RESULTS ARE ONLY AN INDICATION OF, BUT NOT NECESSARILY REPRESENTATIVE OF, IN-SITU DENSITY.

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NOVEMBER 16, 1999

		REPORT #:	
CLIENT:	O'BRIEN & GERE ENGINEERS, INC.	JOB #:	1999-00-0774
PROJECT:	SOLUTIA SAUGET AREA I PROJECT	LAB #:	3110

REPORT OF: WEIGHTED AVERAGE SPECIFIC GRAVITY OF SOIL ASTM D 854-92
SAMPLE IDENTIFICATION: SITE I B4 (0'-.5')

DATES		TECHNICIAN	
SAMPLED:	10/13/99	SAMPLED:	CLIENT
TESTED:	11/12/99	TESTED:	L. BAXLEY

<<<<<<< LABORATORY RESULTS >>>>>>>

(R1) PERCENT RETAINED ON THE No.4 SIEVE.	34.43
(P1) PERCENT PASSING THE No.4 SIEVE.	65.57
(G1) APPARENT SPECIFIC GRAVITY OF MATERIAL RETAINED ON THE No.4 SIEVE.	2.734
(G2) SPECIFIC GRAVITY OF MATERIAL PASSING THE No.4 SIEVE.	2.704

Gavg = 1/((R1/(100*G1))+(P1/(100*G2)))

Weighted Average Specific Gravity: 2.714

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REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 NOVEMBER 15, 1999
LAB #: 3100

CLIENT: O'BRIEN AND GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT

SAMPLE IDENTIFICATION : SITE I B4 (0'-0.5')

NOTE: REPRESENTS PORTION OF SAMPLE PASSING THE NO. 4 SIEVE.

DATES		TECHNICIAN	
SAMPLED:	10/13/99	SAMPLED:	CLIENT
TESTED:	11/12/99	TESTED:	L. BAXLEY

>>>>>> LABORATORY RESULTS <<<<<<<

(A) WEIGHT OF PYCNOMETER (g):	172.24	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	327.32	
(C) WEIGHT OF SAMPLE (g):	155.08	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	671.22	
(E) TEMP. OF PYCNOMETER AND WATER (C):	19.3	
(F) DENSITY OF WATER @ T1(g/ml):	0.998371	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	768.95	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	19.3	
(I) DENSITY OF WATER @ T2 (g/ml):	0.998371	

>>>>>>> COMPUTATIONS <<<<<<<<

(Gs @ T1)= C/((C+(D-G)):	2.704	
CORRECTION FACTOR (K):	1.000137	
(Gs @ 20 C =(Gs @ T1)*K:)	2.704	

SPECIFIC GRAVITY: 2.704

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NOVEMBER 15, 1999

REPORT #:
CLIENT: O'BRIEN & GERE ENGINEERS, INC. JOB #: 1999-00-0774
PROJECT: SOLUTIA SAUGET AREA I PROJECT LAB #: 3105

REPORT OF: SPECIFIC GRAVITY AND ABSORPTION OF COARSE AGGREGATE
ASTM C 127 - 88

SAMPLE IDENTIFICATION: SITE I B4 (0'-0.5')
NOTE : REPRESENTS PORTION OF SAMPLE RETAINED ON NO. 4 SIEVE.

DATES		TECHNICIAN	
SAMPLED:	10/13/99	SAMPLED:	CLIENT
TESTED:	11/12/99	TESTED:	L. BAXLEY

VEIGHT OF OVEN DRY SPECIMEN IN AIR (g):	762.40
WEIGHT OF SATURATED SURFACE DRY SPECIMEN IN AIR (g):	777.08
WEIGHT OF SATURATED SPECIMEN IN WATER (g):	483.5

BULK SPECIFIC GRAVITY:	**2.597**
BULK SPECIFIC GRAVITY (SSD):	**2.647**
APPARENT SPECIFIC GRAVITY:	**2.734**
ABSORPTION:	**1.93**

MATERIALS ENGINEERING LABORATORY

Thompson Engineering

OCTOBER 7, 1999

CLIENT: O'BRIEN & GERE ENGINEERS, INC. JOB #: 1999-00-0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 2991

REPORT OF: LABORATORY DETERMINATION OF UNIT WEIGHTS, VOID RATIO, POROSITY, AND DEGREE SATURATION USCOE EM 1110-2-1906 APPENDIX II (VOLUMETRIC METHOD)

SAMPLE IDENTIFICATION: SITE L B-1 DEPTH (FT): 0.0-0.5
SAMPLE DESCRIPTION: SURFACE SOIL

DATES	TECHNICIAN
SAMPLED: 09/27/99	SAMPLED: CLIENT
TESTED: 09/30/99	TESTED: L. BAXLEY

.... LABORATORY RESULTS ....

(a): SAMPLE HEIGHT (cm):	11.643
(b): SAMPLE DIAMETER (cm):	10.160
(c): SAMPLE AREA (cm2):	81.073
(d): SAMPLE VOLUME (cc):	943.94
(e): MASS OF WET SPECIMEN (g):	1393.1
(f): MASS OF DRY SPECIMEN (g):	1362.2
(g): MASS OF CONTAINER (g):	31.97
(h): MASS OF CONTAINER & WET SPECIMEN (g):	182.83
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	179.48
(j): MASS OF WATER (g):	3.35
(k): MASS OF DRY SPECIMEN (g):	147.51
(l): WATER CONTENT (%):	**2.27**
(m): WET DENSITY (PCF):	**92.09**
(n): DRY DENSITY (PCF):	**90.05**
(o): SPECIFIC GRAVITY:	2.347
(p): VOLUME OF SOLIDS (cc):	580.40
(q): VOID RATIO:	**0.63**
(r): DEGREE OF SATURATION (%):	8.50
(s): POROSITY (%):	**38.51**

NOTE: THIS SAMPLE WAS RECIEVED IN A DISTURBED CONDITION AND WAS COMPACTED IN THE LABORATORY FOR DENSITY DETERMINATION. RESULTS ARE ONLY AN INDICATION OF, BUT NOT NECESSARILY REPRESENTATIVE OF, IN-SITU DENSITY.

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MATERIALS ENGINEERING LABORATORY

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Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 OCTOBER 7, 1999

CLIENT: O'BRIEN & GERE ENGINEER S, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : SITE L B-1 DEPTH (FT): 0.0-0.5

DATES	TECHNICIAN
SAMPLED: 09/27/99	SAMPLED: CLIENT
TESTED: 10/01/99	TESTED: L. BAXLEY

>>>>>> *LABORATORY RESULTS* <<<<<<<

(A) WEIGHT OF PYCNOMETER (g):	178.68	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	251.82	
(C) WEIGHT OF SAMPLE (g):	73.14	
D) WEIGHT OF PYCNOMETER AND WATER (g):	677.27	
(E) TEMP. OF PYCNOMETER AND WATER (C):	19.9	
(F) DENSITY OF WATER @ T1(g/ml):	0.998254	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	719.24	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	19.9	
(I) DENSITY OF WATER @ T2 (g/ml):	0.998254	

>>>>>>> *COMPUTATIONS* <<<<<<<<

(Gs @ T1)= C/((C+(D-G)):	2.346	
CORRECTION FACTOR (K):	1.000020	
(Gs @ 20 C =(Gs @ T1)*K:)	2.347	

SPECIFIC GRAVITY: 2.347

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OCTOBER 7, 1999

CLIENT: O'BRIEN & GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT

JOB #: 1999-00-0774
LAB #: 2992

REPORT OF: LABORATORY DETERMINATION OF UNIT WEIGHTS, VOID RATIO, POROSITY, AND DEGREE SATURATION
USCOE EM 1110-2-1906 APPENDIX II (VOLUMETRIC METHOD)

SAMPLE IDENTIFICATION: SITE L B-2
SAMPLE DESCRIPTION: SURFACE SOIL

DEPTH (FT): 0.0-0.5

DATES	TECHNICIAN
SAMPLED: 09/27/99	SAMPLED: CLIENT
TESTED: 09/30/99	TESTED: L. BAXLEY

.... LABORATORY RESULTS ....

(a): SAMPLE HEIGHT (cm):	11.643
(b): SAMPLE DIAMETER (cm):	10.160
(c): SAMPLE AREA (cm2):	81.073
(d): SAMPLE VOLUME (cc):	943.94
(e): MASS OF WET SPECIMEN (g):	1352.5
(f): MASS OF DRY SPECIMEN (g):	1270.3
(g): MASS OF CONTAINER (g):	32.04
(h): MASS OF CONTAINER & WET SPECIMEN (g):	152.75
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	145.41
(j): MASS OF WATER (g):	7.34
(k): MASS OF DRY SPECIMEN (g):	113.37
(l): WATER CONTENT (%):	**6.47**
(m): WET DENSITY (PCF):	**89.41**
(n): DRY DENSITY (PCF):	**83.97**
(o): SPECIFIC GRAVITY:	2.329
(p): VOLUME OF SOLIDS (cc):	545.41
(q): VOID RATIO:	**0.73**
(r): DEGREE OF SATURATION (%):	20.64
(s): POROSITY (%):	**42.22**

NOTE: THIS SAMPLE WAS RECIEVED IN A DISTURBED CONDITION AND WAS COMPACTED IN THE LABORATORY FOR DENSITY DETERMINATION. RESULTS ARE ONLY AN INDICATION OF, BUT NOT NECESSARILY REPRESENTATIVE OF, IN-SITU DENSITY.

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REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 OCTOBER 7, 1999

CLIENT: O'BRIEN & GERE ENGINEER S, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : SITE L B-2 DEPTH (FT): 0.0-0.5

DATES	TECHNICIAN
SAMPLED: 09/27/99	SAMPLED: CLIENT
TESTED: 10/01/99	TESTED: L. BAXLEY

>>>>>> LABORATORY RESULTS <<<<<<<

(A) WEIGHT OF PYCNOMETER (g):	166.32
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	228.55
(C) WEIGHT OF SAMPLE (g):	62.23
D) WEIGHT OF PYCNOMETER AND WATER (g):	665.30
(E) TEMP. OF PYCNOMETER AND WATER (C):	19.4
(F) DENSITY OF WATER @ T1(g/ml):	0.998352
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	700.81
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	19.4
(I) DENSITY OF WATER @ T2 (g/ml):	0.998352

>>>>>>> COMPUTATIONS <<<<<<<<

(Gs @ T1)= C/((C+(D-G)):	2.329
CORRECTION FACTOR (K):	1.000118
(Gs @ 20 C =(Gs @ T1)*K:)	2.329

SPECIFIC GRAVITY: 2.329

MATERIALS ENGINEERING LABORATORY

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Thompson Engineering

OCTOBER 7, 1999

CLIENT: O'BRIEN & GERE ENGINEERS, INC. JOB #: 1999-00-0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 2993

REPORT OF: LABORATORY DETERMINATION OF UNIT WEIGHTS, VOID RATIO, POROSITY, AND DEGREE SATURATION
USCOE EM 1110-2-1906 APPENDIX II (VOLUMETRIC METHOD)

SAMPLE IDENTIFICATION: SITE L B-3 DEPTH (FT): 0.0-0.5
SAMPLE DESCRIPTION: SURFACE SOIL

DATES	TECHNICIAN
SAMPLED: 09/27/99	SAMPLED: CLIENT
TESTED: 09/30/99	TESTED: L. BAXLEY

.... LABORATORY RESULTS ....

(a): SAMPLE HEIGHT (cm):	11.643
(b): SAMPLE DIAMETER (cm):	10.160
(c): SAMPLE AREA (cm2):	81.073
(d): SAMPLE VOLUME (cc):	943.94
(e): MASS OF WET SPECIMEN (g):	1104.6
(f): MASS OF DRY SPECIMEN (g):	1038.5
(g): MASS OF CONTAINER (g):	32.34
(h): MASS OF CONTAINER & WET SPECIMEN (g):	124.11
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	118.62
(j): MASS OF WATER (g):	5.49
(k): MASS OF DRY SPECIMEN (g):	86.28
(l): WATER CONTENT (%):	**6.36**
(m): WET DENSITY (PCF):	**73.02**
(n): DRY DENSITY (PCF):	**68.65**
(o): SPECIFIC GRAVITY:	2.088
(p): VOLUME OF SOLIDS (cc):	497.37
(q): VOID RATIO:	**0.90**
(r): DEGREE OF SATURATION (%):	14.80
(s): POROSITY (%):	**47.31**

NOTE: THIS SAMPLE WAS RECIEVED IN A DISTURBED CONDITION AND WAS COMPACTED IN THE LABORATORY FOR DENSITY DETERMINATION. RESULTS ARE ONLY AN INDICATION OF, BUT NOT NECESSARILY REPRESENTATIVE OF, IN-SITU DENSITY.

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REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 OCTOBER 7, 1999

CLIENT: O'BRIEN & GERE ENGINEER S, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : SITE L B-3 DEPTH (FT): 0.0-0.5

DATES	TECHNICIAN
SAMPLED: 09/27/99	SAMPLED: CLIENT
TESTED: 10/01/99	TESTED: L. BAXLEY

>>>>>> LABORATORY RESULTS <<<<<<<

(A) WEIGHT OF PYCNOMETER (g):	178.84	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	244.19	
(C) WEIGHT OF SAMPLE (g):	65.35	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	677.50	
(E) TEMP. OF PYCNOMETER AND WATER (C):	19.9	
(F) DENSITY OF WATER @ T1(g/ml):	0.998254	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	711.55	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	19.9	
(I) DENSITY OF WATER @ T2 (g/ml):	0.998254	

>>>>>>> COMPUTATIONS <<<<<<<<

(Gs @ T1)= C/((C+(D-G)):	2.088	
CORRECTION FACTOR (K):	1.000020	
(Gs @ 20 C =(Gs @ T1)*K:)	2.088	

SPECIFIC GRAVITY: 2.088

MATERIALS ENGINEERING LABORATORY

Corporate Office: 3707 Cottage Hill Rd. • P.O. Box 9637 • Mobile, AL 36691 • 334-666-2443 • Fax 334-666-6422

Thompson Engineering

OCTOBER 7, 1999

CLIENT: O'BRIEN & GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT

JOB #: 1999-00-0774
LAB #: 2994

REPORT OF: LABORATORY DETERMINATION OF UNIT WEIGHTS, VOID RATIO, POROSITY, AND DEGREE SATURATION USCOE EM 1110-2-1906 APPENDIX II (VOLUMETRIC METHOD)

SAMPLE IDENTIFICATION: SITE L B-4
SAMPLE DESCRIPTION: SURFACE SOIL

DEPTH (FT): 0.0-0.5

DATES	TECHNICIAN
SAMPLED: 09/27/99	SAMPLED: CLIENT
TESTED: 09/30/99	TESTED: L. BAXLEY

.... LABORATORY RESULTS ....

(a): SAMPLE HEIGHT (cm):	11.643
(b): SAMPLE DIAMETER (cm):	10.160
(c): SAMPLE AREA (cm2):	81.073
(d): SAMPLE VOLUME (cc):	943.94
(e): MASS OF WET SPECIMEN (g):	1362.0
(f): MASS OF DRY SPECIMEN (g):	1282.7
(g): MASS OF CONTAINER (g):	31.64
(h): MASS OF CONTAINER & WET SPECIMEN (g):	155.09
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	147.90
(j): MASS OF WATER (g):	7.19
(k): MASS OF DRY SPECIMEN (g):	116.26
(l): WATER CONTENT (%):	**6.18**
(m): WET DENSITY (PCF):	**90.04**
(n): DRY DENSITY (PCF):	**84.79**
(o): SPECIFIC GRAVITY:	2.390
(p): VOLUME OF SOLIDS (cc):	536.68
(q): VOID RATIO:	**0.76**
(r): DEGREE OF SATURATION (%):	19.48
(s): POROSITY (%):	**43.14**

NOTE: THIS SAMPLE WAS RECIEVED IN A DISTURBED CONDITION AND WAS COMPACTED IN THE LABORATORY FOR DENSITY DETERMINATION. RESULTS ARE ONLY AN INDICATION OF, BUT NOT NECESSARILY REPRESENTATIVE OF, IN-SITU DENSITY.

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MATERIALS ENGINEERING LABORATORY

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Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 OCTOBER 7, 1999

CLIENT: O'BRIEN & GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : SITE L B-4 DEPTH (FT): 0.0-0.5

DATES	TECHNICIAN
SAMPLED: 09/27/99	SAMPLED: CLIENT
TESTED: 10/01/99	TESTED: L. BAXLEY

>>>>>> *LABORATORY RESULTS* <<<<<<<

(A) WEIGHT OF PYCNOMETER (g):	172.24	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	235.21	
(C) WEIGHT OF SAMPLE (g):	62.97	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	671.22	
(E) TEMP. OF PYCNOMETER AND WATER (C):	19.3	
(F) DENSITY OF WATER @ T1(g/ml):	0.998371	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	707.84	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	19.3	
(I) DENSITY OF WATER @ T2 (g/ml):	0.998371	

>>>>>>> *COMPUTATIONS* <<<<<<<<

(Gs @ T1)= C/((C+(D-G)):	2.390	
CORRECTION FACTOR (K):	1.000137	
(Gs @ 20 C =(Gs @ T1)*K:)	2.390	

SPECIFIC GRAVITY: 2.390

MATERIALS ENGINEERING LABORATORY

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Thompson Engineering

MARCH 3,2000

CLIENT: O'BRIEN & GERE, ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT

JOB #: 1999-00-0774
LAB #: 3854

REPORT OF: LABORATORY DETERMINATION OF UNIT WEIGHTS, VOID RATIO, POROSITY, AND DEGREE SATURATION
USCOE EM 1110-2-1906 APPENDIX II (VOLUMETRIC METHOD)

SAMPLE IDENTIFICATION: SITE N B1
SAMPLE DESCRIPTION: SILTY MEDIUM TO FINE SAND, WITH GRAVEL

DATES		TECHNICIAN	
SAMPLED:	- - -	SAMPLED:	CLIENT
TESTED:	03/03/00	TESTED:	C. TAYLOR

.... LABORATORY RESULTS ....

(a): SAMPLE HEIGHT (cm):	11.643
(b): SAMPLE DIAMETER (cm):	10.160
(c): SAMPLE AREA (cm2):	81.073
(d): SAMPLE VOLUME (cc):	943.96
(e): MASS OF WET SPECIMEN (g):	1932.6
(f): MASS OF DRY SPECIMEN (g):	1765.4
(g): MASS OF CONTAINER (g):	157.30
(h): MASS OF CONTAINER & WET SPECIMEN (g):	500.50
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	470.80
(j): MASS OF WATER (g):	29.70
(k): MASS OF DRY SPECIMEN (g):	313.50
(l): WATER CONTENT (%):	**9.47**
(m): WET DENSITY (PCF):	**127.75**
(n): DRY DENSITY (PCF):	**116.70**
(o): SPECIFIC GRAVITY:	2.665
(p): VOLUME OF SOLIDS (cc):	662.42
(q): VOID RATIO:	**0.43**
(r): DEGREE OF SATURATION (%):	59.40
(s): POROSITY (%):	**29.83**

MATERIALS ENGINEERING LABORATORY

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Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

MARCH 31, 2000 JOB #: 1999-00-0774

CLIENT: O'BRIEN & GERE ENGINEERS, INC.
ROJECT: SOLUTIA SAUGET AREA 1 PROJECT

SAMPLE IDENTIFICATION: SITE N B1

DATES	TECHNICIAN
SAMPLED: - - -	SAMPLED: CLIENT
TESTED: 3/9/00	TESTED: L. BAXLEY

>>>>>> *LABORATORY RESULTS* <<<<<<<

(A) WEIGHT OF PYCNOMETER (g):	171.91	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	258.86	
(C) WEIGHT OF SAMPLE (g):	86.95	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	670.70	
(E) TEMP. OF PYCNOMETER AND WATER (C):	19.0	
(F) DENSITY OF WATER @ T1(g/ml):	0.998430	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	725.02	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	19.0	
(I) DENSITY OF WATER @ T2 (g/ml):	0.998430	

>>>>>>> *COMPUTATIONS* <<<<<<<<

(Gs @ T1)= C/((C+(D-G)):	2.665	
CORRECTION FACTOR (K):	1.000196	
(Gs @ 20 C =(Gs @ T1)*K:)	2.665	

SPECIFIC GRAVITY:	**2.665**

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MARCH 3,2000

CLIENT: O'BRIEN & GERE, ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT

JOB #: 1999-00-0774
LAB #: 3855

REPORT OF: LABORATORY DETERMINATION OF UNIT WEIGHTS, VOID RATIO, POROSITY, AND DEGREE SATURATION
USCOE EM 1110-2-1906 APPENDIX II (VOLUMETRIC METHOD)

SAMPLE IDENTIFICATION: SITE N B2
SAMPLE DESCRIPTION: SILTY FINE SAND, WITH RUBBLE

DATES
SAMPLED: - - -
TESTED: 03/03/00

TECHNICIAN
SAMPLED: CLIENT
TESTED: C. TAYLOR

.... LABORATORY RESULTS ....

(a): SAMPLE HEIGHT (cm):	11.643
(b): SAMPLE DIAMETER (cm):	10.160
(c): SAMPLE AREA (cm2):	81.073
(d): SAMPLE VOLUME (cc):	943.96
(e): MASS OF WET SPECIMEN (g):	1823.7
(f): MASS OF DRY SPECIMEN (g):	1674.7
(g): MASS OF CONTAINER (g):	159.20
(h): MASS OF CONTAINER & WET SPECIMEN (g):	375.90
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	358.20
(j): MASS OF WATER (g):	17.70
(k): MASS OF DRY SPECIMEN (g):	199.00
(l): WATER CONTENT (%):	**8.89**
(m): WET DENSITY (PCF):	**120.55**
(n): DRY DENSITY (PCF):	**110.71**
(o): SPECIFIC GRAVITY:	2.649
(p): VOLUME OF SOLIDS (cc):	632.22
(q): VOID RATIO:	**0.49**
(r): DEGREE OF SATURATION (%):	47.78
(s): POROSITY (%):	**33.03**

MATERIALS ENGINEERING LABORATORY

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REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

MARCH 31, 2000 JOB #: 1999-00-0774

CLIENT: O'BRIEN & GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT

SAMPLE IDENTIFICATION: SITE N B2

DATES	TECHNICIAN
SAMPLED: - - -	SAMPLED: CLIENT
TESTED: 3/9/00	TESTED: L. BAXLEY

>>>>>> *LABORATORY RESULTS* <<<<<<<

(A) WEIGHT OF PYCNOMETER (g):	161.39	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	291.76	
(C) WEIGHT OF SAMPLE (g):	130.37	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	660.30	
(E) TEMP. OF PYCNOMETER AND WATER (C):	19.0	
(F) DENSITY OF WATER @ T1(g/ml):	0.998430	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	741.45	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	19.0	
(I) DENSITY OF WATER @ T2 (g/ml):	0.998430	

>>>>>>> *COMPUTATIONS* <<<<<<<<

(Gs @ T1)= C/((C+(D-G)):	2.649	
CORRECTION FACTOR (K):	1.000196	
(Gs @ 20 C =(Gs @ T1)*K:)	2.649	

SPECIFIC GRAVITY:	2.649

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MARCH 3,2000

CLIENT: O'BRIEN & GERE, ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT

JOB #: 1999-00-0774
LAB #: 3856

REPORT OF: LABORATORY DETERMINATION OF UNIT WEIGHTS, VOID RATIO, POROSITY, AND DEGREE SATURATION
USCOE EM 1110-2-1906 APPENDIX II (VOLUMETRIC METHOD)

SAMPLE IDENTIFICATION: SITE N B3
SAMPLE DESCRIPTION: SILT, WITH SAND

DATES		TECHNICIAN	
SAMPLED:	- - -	SAMPLED:	CLIENT
TESTED:	03/03/00	TESTED:	C. TAYLOR

.... LABORATORY RESULTS ....

(a): SAMPLE HEIGHT (cm):	11.643
(b): SAMPLE DIAMETER (cm):	10.160
(c): SAMPLE AREA (cm2):	81.073
(d): SAMPLE VOLUME (cc):	943.96
(e): MASS OF WET SPECIMEN (g):	1698.4
(f): MASS OF DRY SPECIMEN (g):	1531.9
(g): MASS OF CONTAINER (g):	159.40
(h): MASS OF CONTAINER & WET SPECIMEN (g):	345.00
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	326.80
(j): MASS OF WATER (g):	18.20
(k): MASS OF DRY SPECIMEN (g):	167.40
(l): WATER CONTENT (%):	**10.87**
(m): WET DENSITY (PCF):	**112.27**
(n): DRY DENSITY (PCF):	**101.26**
(o): SPECIFIC GRAVITY:	2.650
(p): VOLUME OF SOLIDS (cc):	578.06
(q): VOID RATIO:	**0.63**
(r): DEGREE OF SATURATION (%):	45.52
(s): POROSITY (%):	**38.76**

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REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

MARCH 31, 2000 JOB #: 1999-00-0774

CLIENT: O'BRIEN & GERE ENGINEERS, INC.
ROJECT: SOLUTIA SAUGET AREA 1 PROJECT

SAMPLE IDENTIFICATION: SITE N B3

DATES	TECHNICIAN
SAMPLED: - - -	SAMPLED: CLIENT
TESTED: 3/9/00	TESTED: L. BAXLEY

>>>>>> LABORATORY RESULTS <<<<<<<

(A) WEIGHT OF PYCNOMETER (g):	166.31	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	288.87	
(C) WEIGHT OF SAMPLE (g):	122.56	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	665.47	
(E) TEMP. OF PYCNOMETER AND WATER (C):	18.3	
(F) DENSITY OF WATER @ T1(g/ml):	0.998563	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	741.76	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	18.3	
(I) DENSITY OF WATER @ T2 (g/ml):	0.998563	

>>>>>>> COMPUTATIONS <<<<<<<<

(Gs @ T1)= C/((C+(D-G)):	2.649	
CORRECTION FACTOR (K):	1.000330	
(Gs @ 20 C =(Gs @ T1)*K:)	2.650	

SPECIFIC GRAVITY:	**2.650**

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MARCH 3,2000

CLIENT: O'BRIEN & GERE, ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT

JOB #: 1999-00-0774
LAB #: 3857

REPORT OF: LABORATORY DETERMINATION OF UNIT WEIGHTS, VOID RATIO, POROSITY, AND DEGREE SATURATION
USCOE EM 1110-2-1906 APPENDIX II (VOLUMETRIC METHOD)

SAMPLE IDENTIFICATION: SITE N B4
SAMPLE DESCRIPTION: SILTY FINE SAND, WITH RUBBLE

DATES		TECHNICIAN	
SAMPLED:	---	SAMPLED:	CLIENT
TESTED:	03/03/00	TESTED:	C. TAYLOR

.... LABORATORY RESULTS ....

(a): SAMPLE HEIGHT (cm):	11.643
(b): SAMPLE DIAMETER (cm):	10.160
(c): SAMPLE AREA (cm2):	81.073
(d): SAMPLE VOLUME (cc):	943.96
(e): MASS OF WET SPECIMEN (g):	1980.6
(f): MASS OF DRY SPECIMEN (g):	1755.3
(g): MASS OF CONTAINER (g):	155.40
(h): MASS OF CONTAINER & WET SPECIMEN (g):	340.00
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	319.00
(j): MASS OF WATER (g):	21.00
(k): MASS OF DRY SPECIMEN (g):	163.60
(l): WATER CONTENT (%):	**12.84**
(m): WET DENSITY (PCF):	**130.93**
(n): DRY DENSITY (PCF):	**116.03**
(o): SPECIFIC GRAVITY:	2.679
(p): VOLUME OF SOLIDS (cc):	655.20
(q): VOID RATIO:	**0.44**
(r): DEGREE OF SATURATION (%):	78.03
(s): POROSITY (%):	**30.59**

MATERIALS ENGINEERING LABORATORY

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Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

MARCH 31, 2000 JOB #: 1999-00-0774

CLIENT: O'BRIEN & GERE ENGINEERS, INC.
ROJECT: SOLUTIA SAUGET AREA 1 PROJECT

SAMPLE IDENTIFICATION: SITE N B4

DATES	TECHNICIAN
SAMPLED: - - -	SAMPLED: CLIENT
TESTED: 3/9/00	TESTED: L. BAXLEY

>>>>>> LABORATORY RESULTS <<<<<<<

(A) WEIGHT OF PYCNOMETER (g):	172.62	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	284.45	
(C) WEIGHT OF SAMPLE (g):	111.83	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	671.50	
(E) TEMP. OF PYCNOMETER AND WATER (C):	18.7	
(F) DENSITY OF WATER @ T1(g/ml):	0.998487	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	741.57	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	18.7	
(I) DENSITY OF WATER @ T2 (g/ml):	0.998487	

>>>>>>> COMPUTATIONS <<<<<<<<

(Gs @ T1)= C/((C+(D-G)):	2.678	
CORRECTION FACTOR (K):	1.000253	
(Gs @ 20 C =(Gs @ T1)*K:)	2.679	

SPECIFIC GRAVITY:	**2.679**

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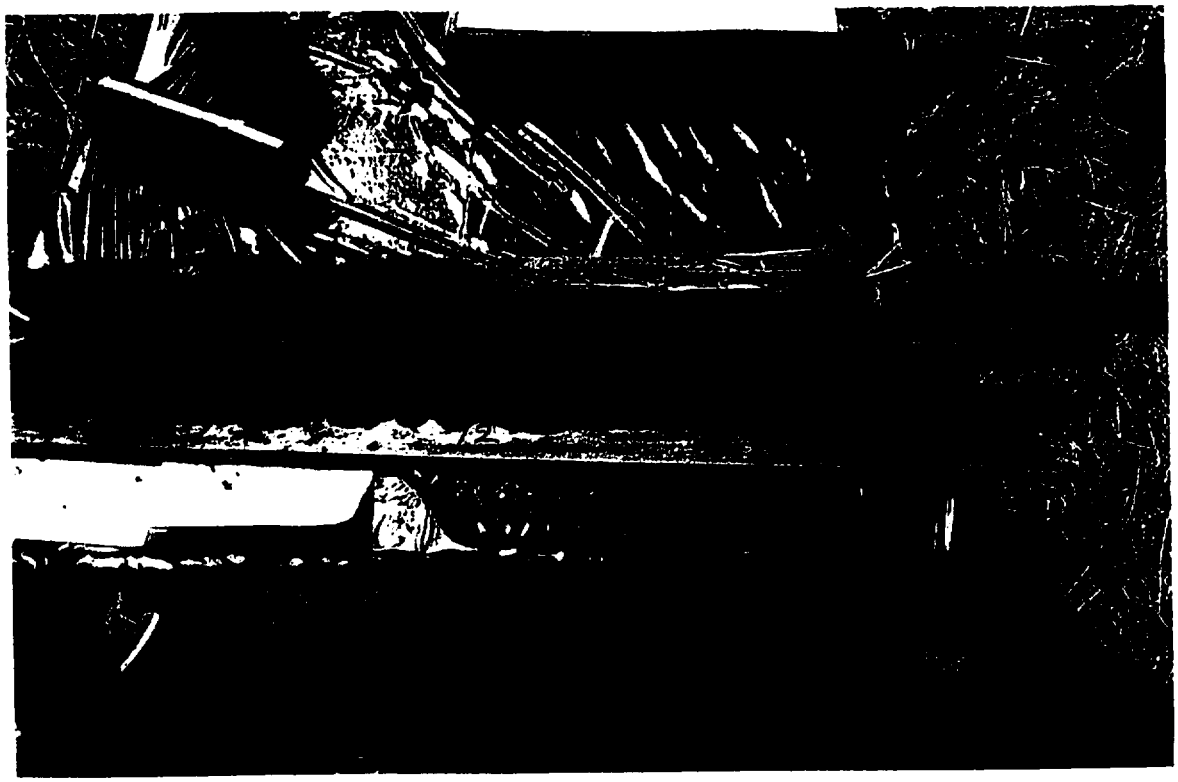
3.3.4.5. Digital Photographs

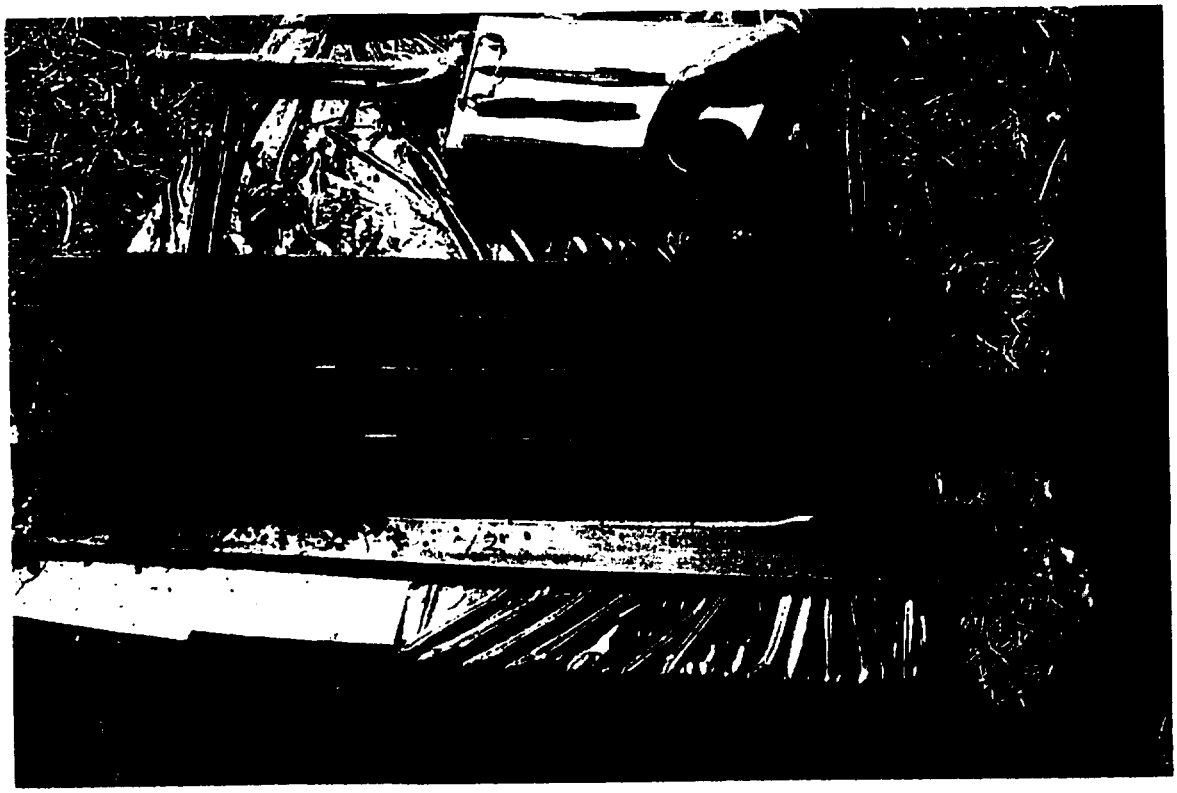
Site G waste borings, B1, 0-2 ft; Oct 1999



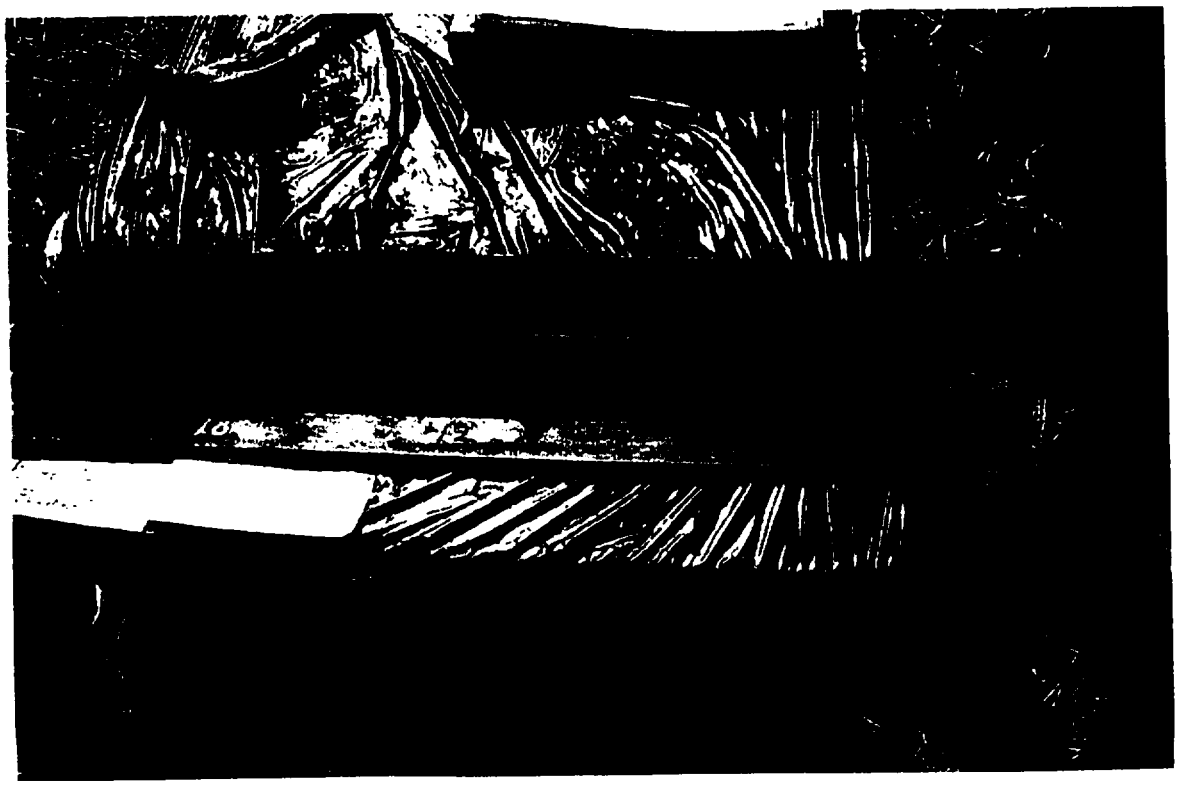
Site G waste borings, B1, 2-4 ft ; Oct 1999

Site G waste borings, B1, 4-6 ft; Oct 1999

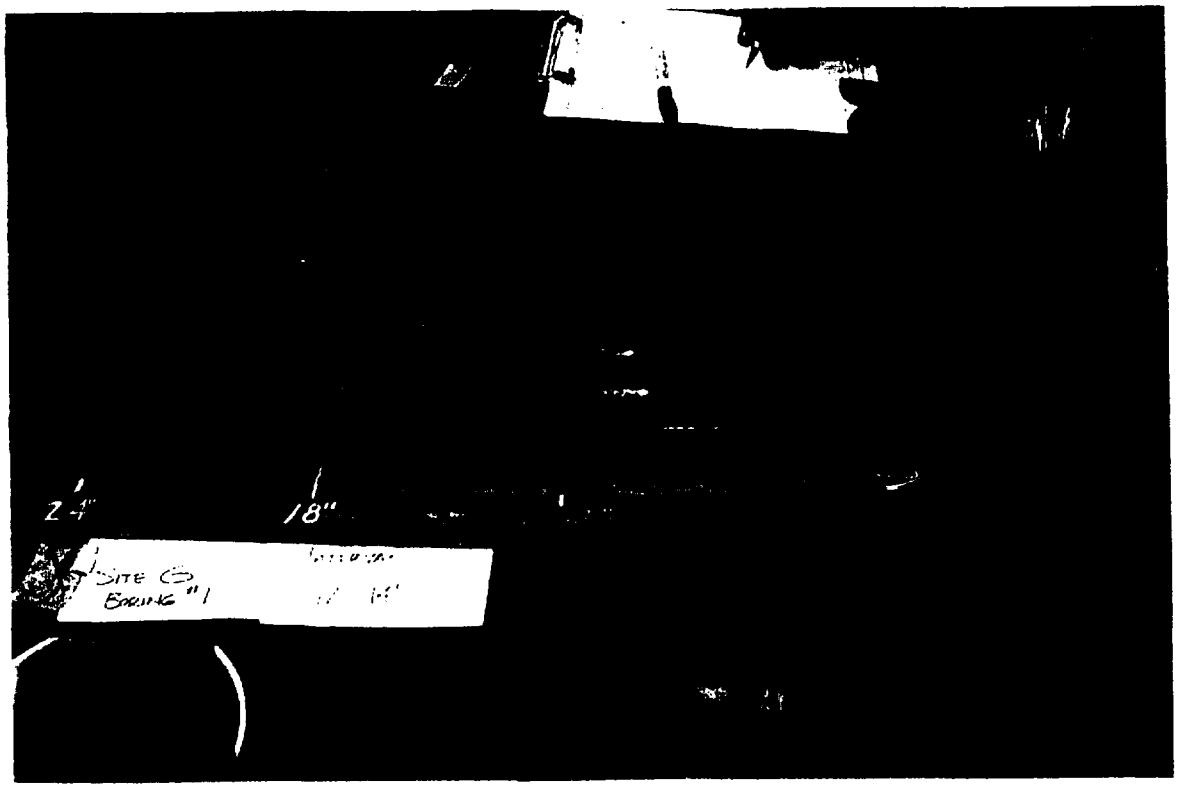
Site G waste borings, B1, 6-8 ft; Oct 1999



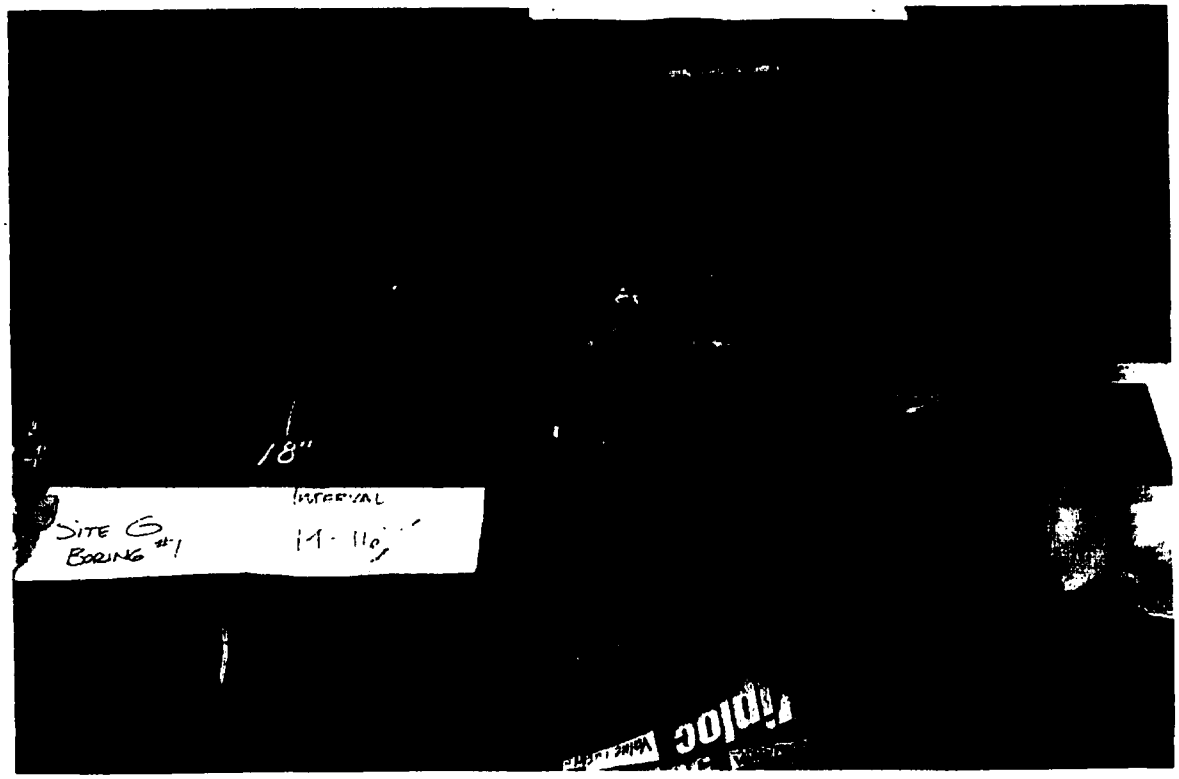
Site G waste borings, B1, 8-10 ft; Oct 1999



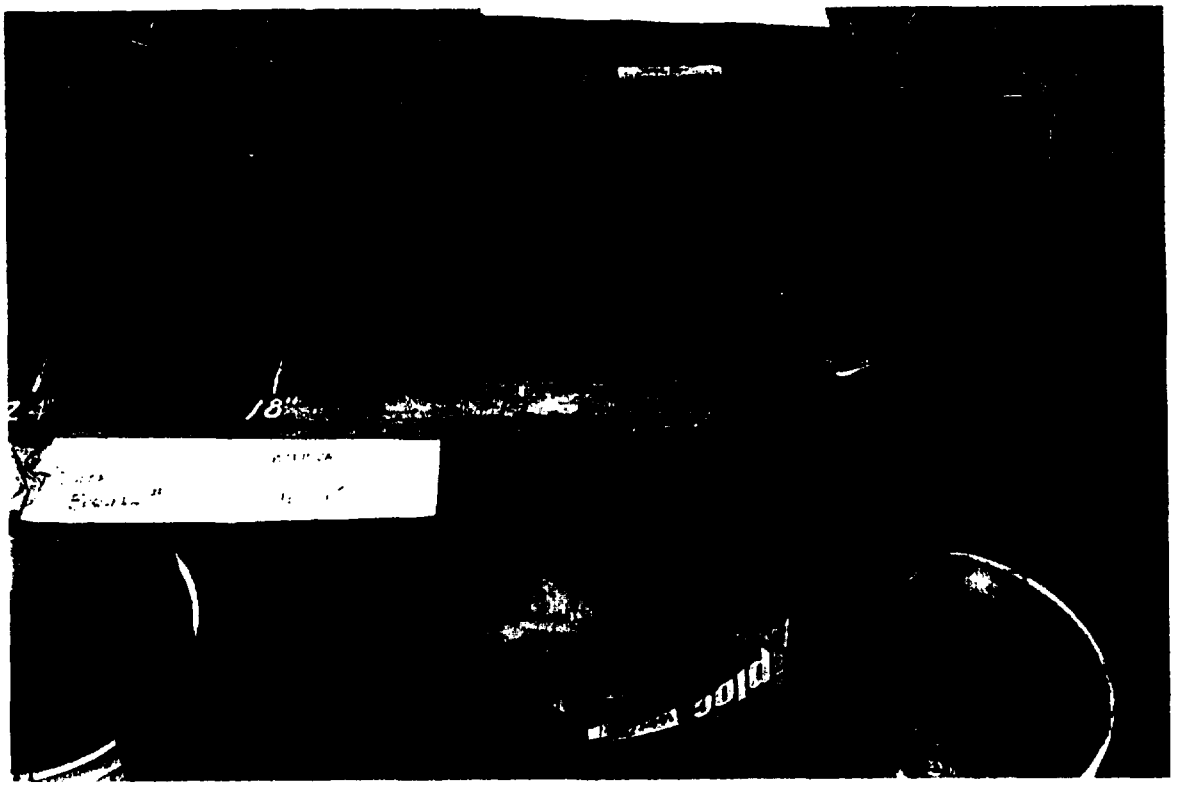
Site G waste borings, B1, 10-12 ft; Oct 1999



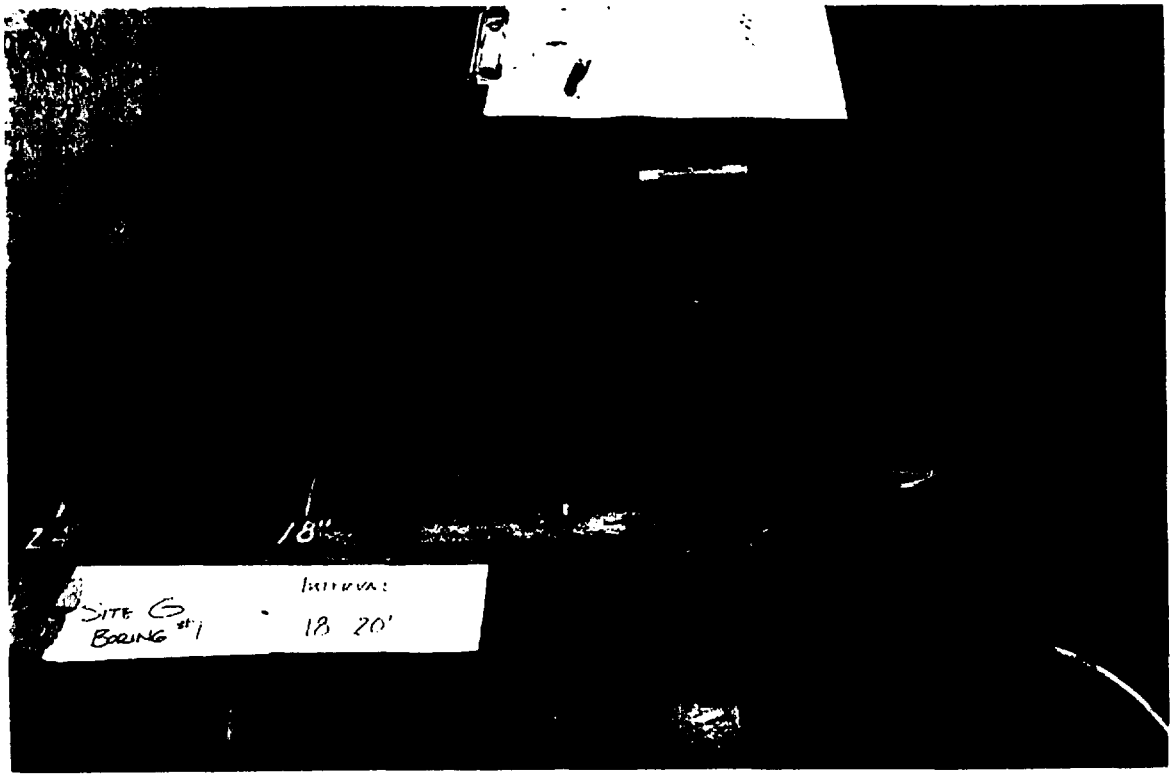
Site G waste borings, B1, 12-14 ft; Oct 1999



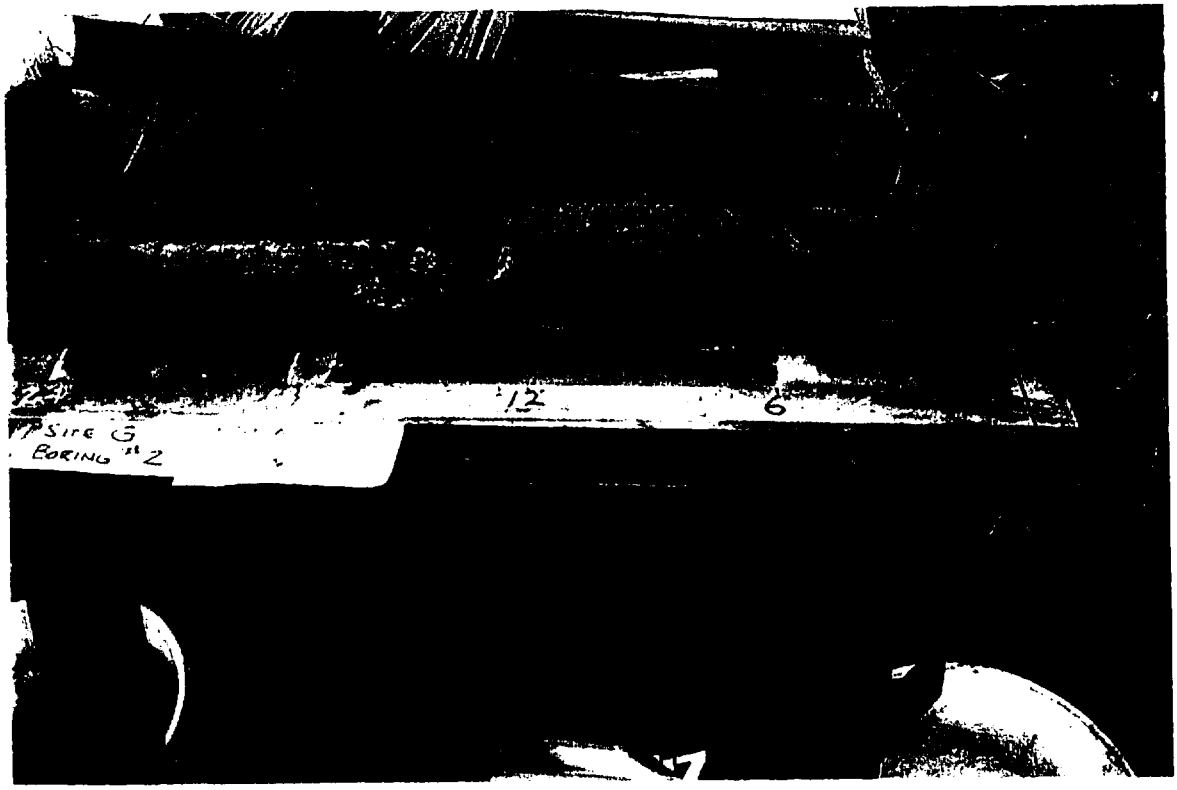
Site G waste borings, B1, 14-16 ft; Oct 1999



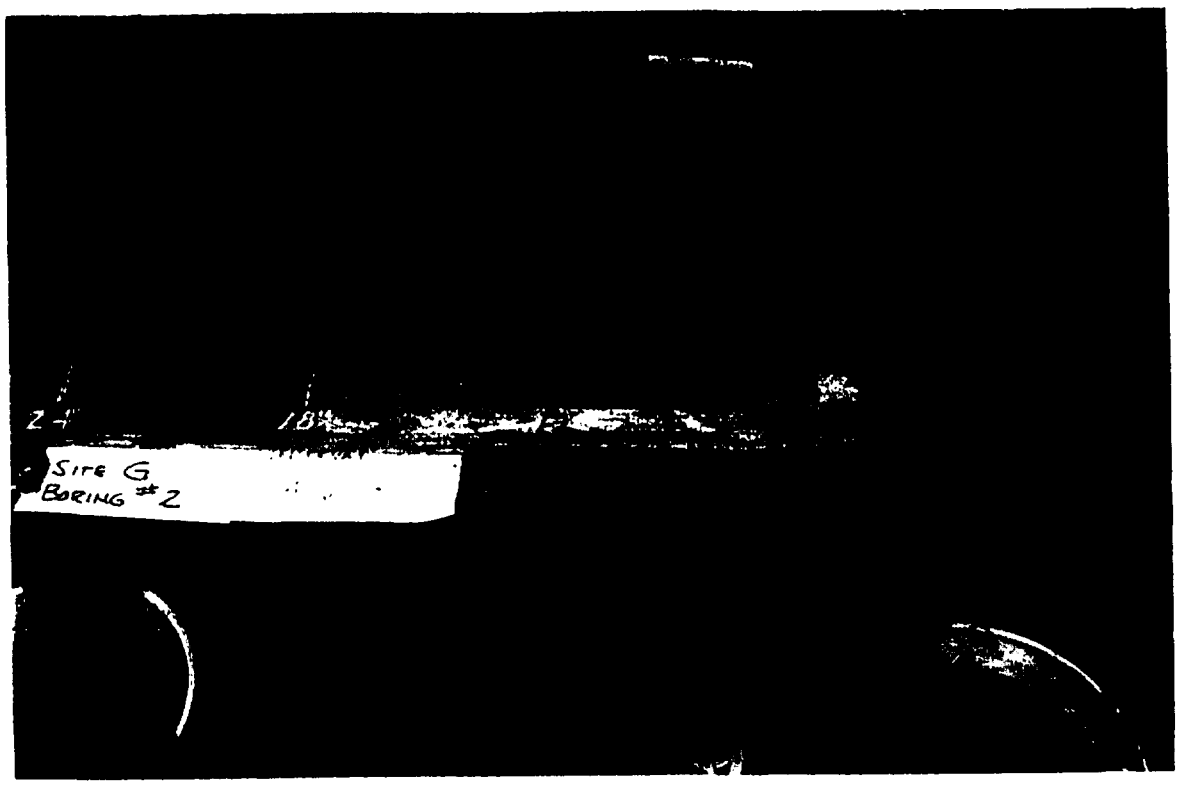
Site G waste borings, B1, 16-18 ft; Oct 1999



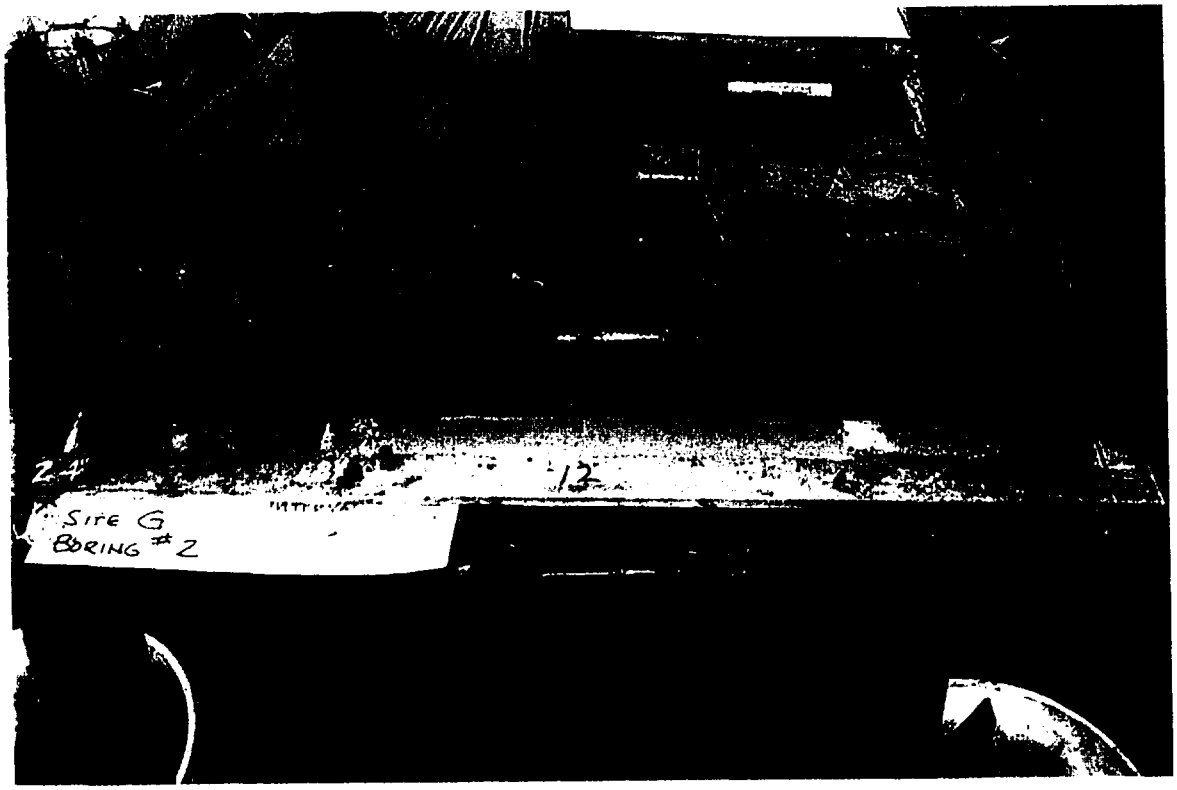
Site G waste borings, B1, 18-20 ft; Oct 1999



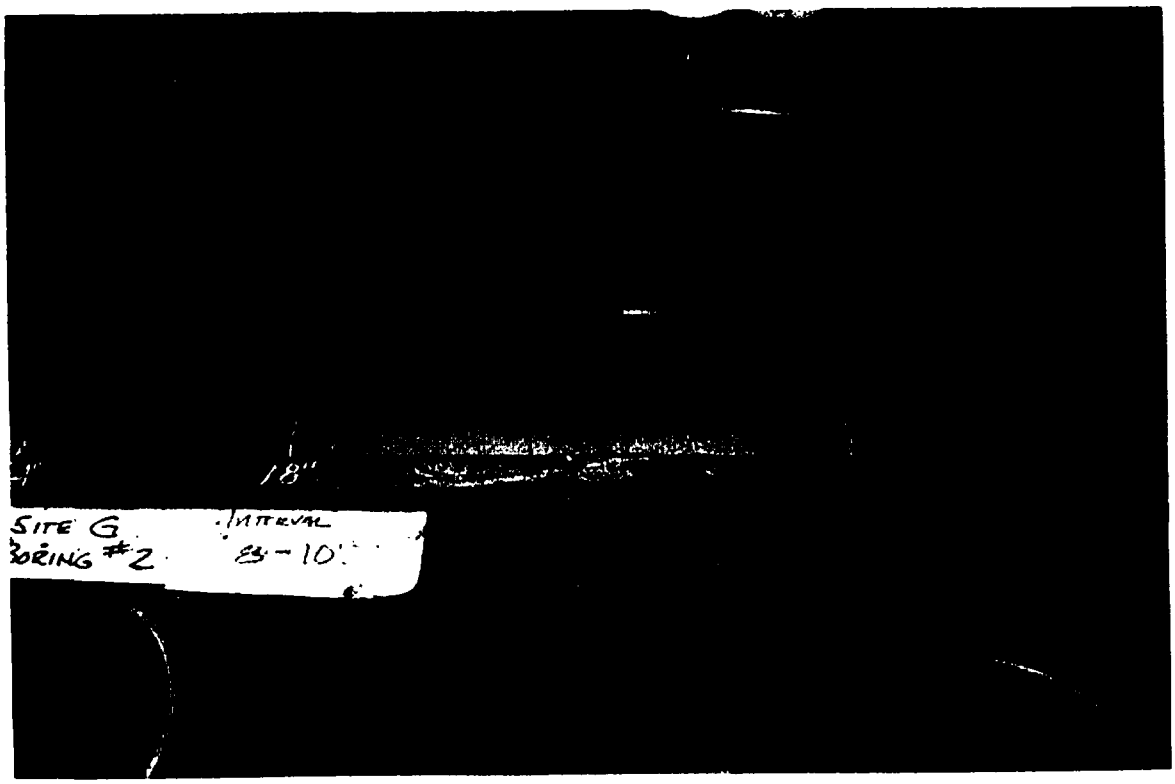
Site G waste borings, B2, 2-4 ft; Oct 1999



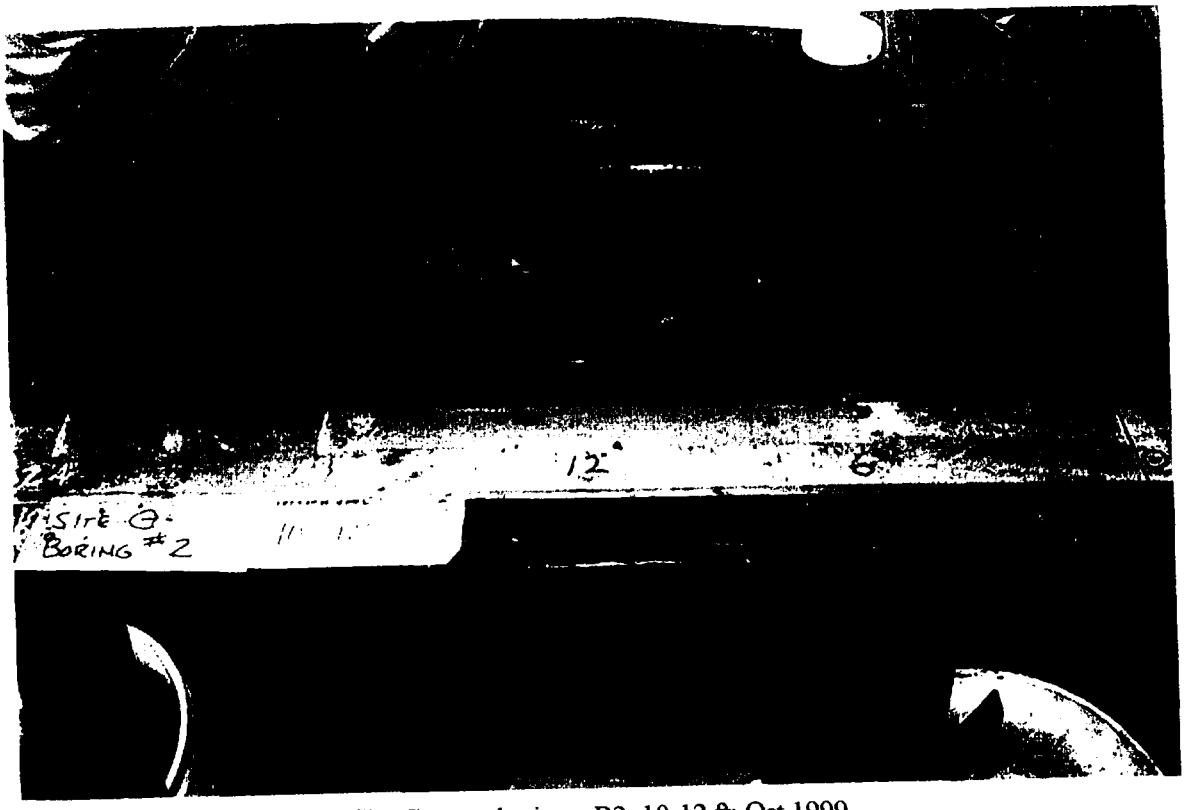
Site G waste boring, B2, 4-6 ft; Oct 1999



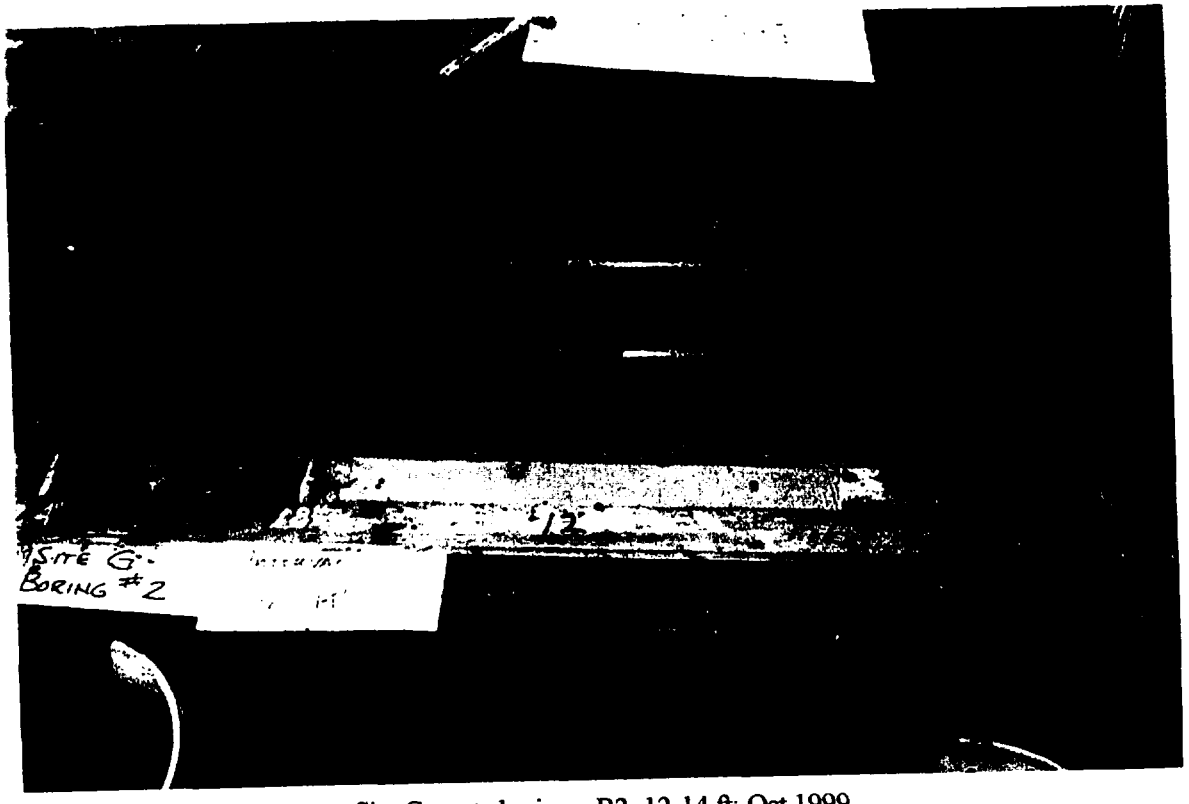
Site G waste borings, B2, 6-8 ft; Oct 1999



Site G waste borings, B2, 8-10 ft; Oct 1999

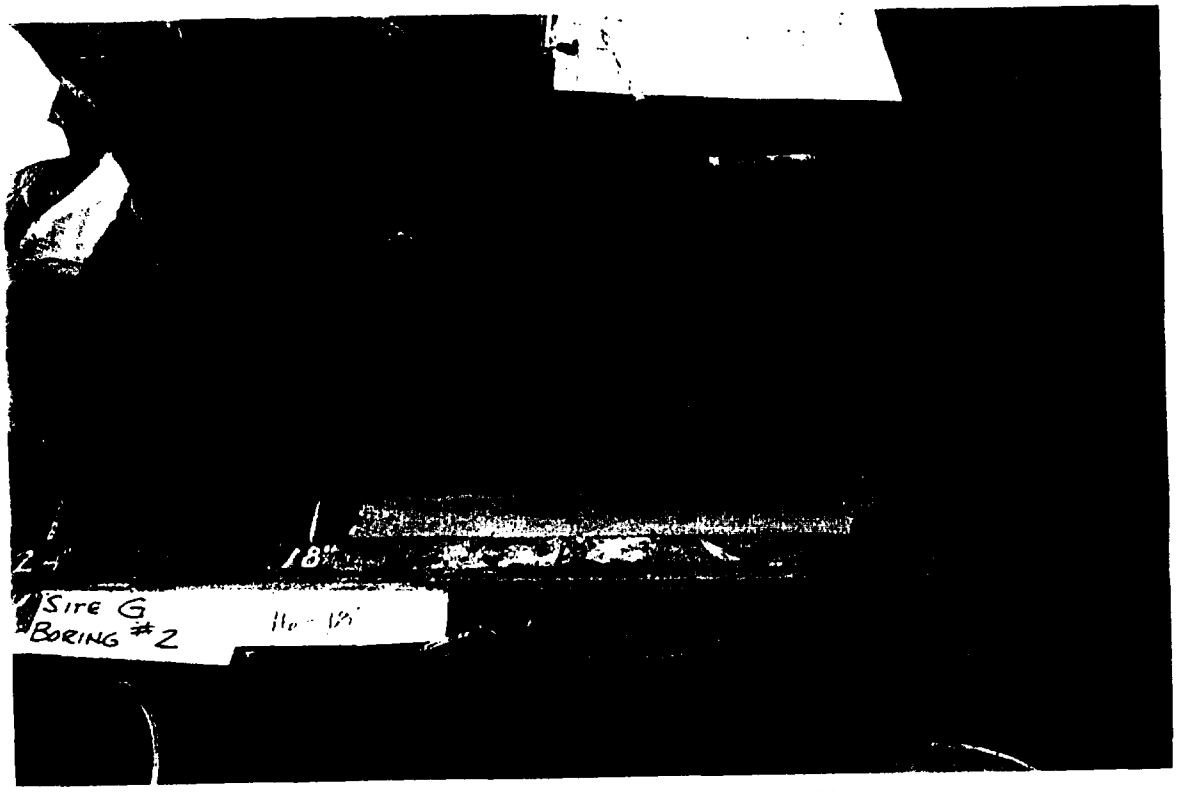


Site G waste borings, B2, 10-12 ft; Oct 1999

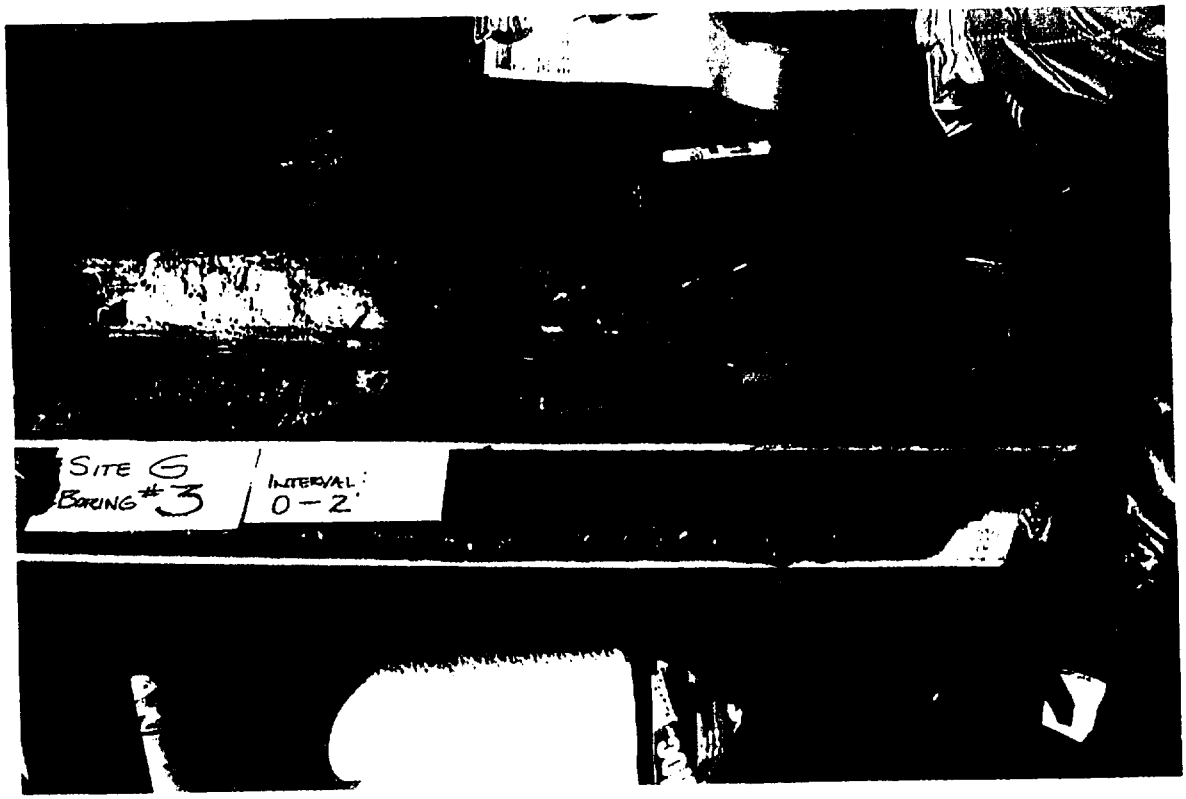


Site G waste borings, B2, 12-14 ft; Oct 1999

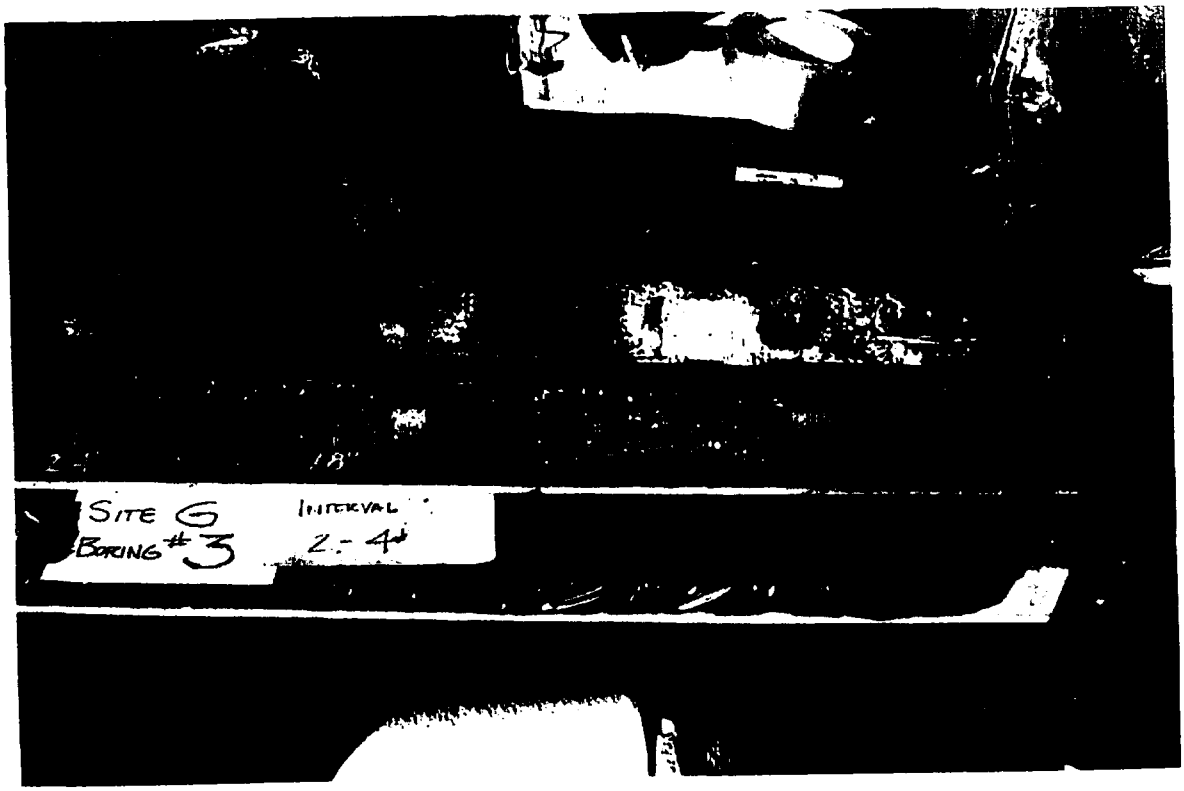
Site G waste borings, B2, 14-16 ft; Oct 1999



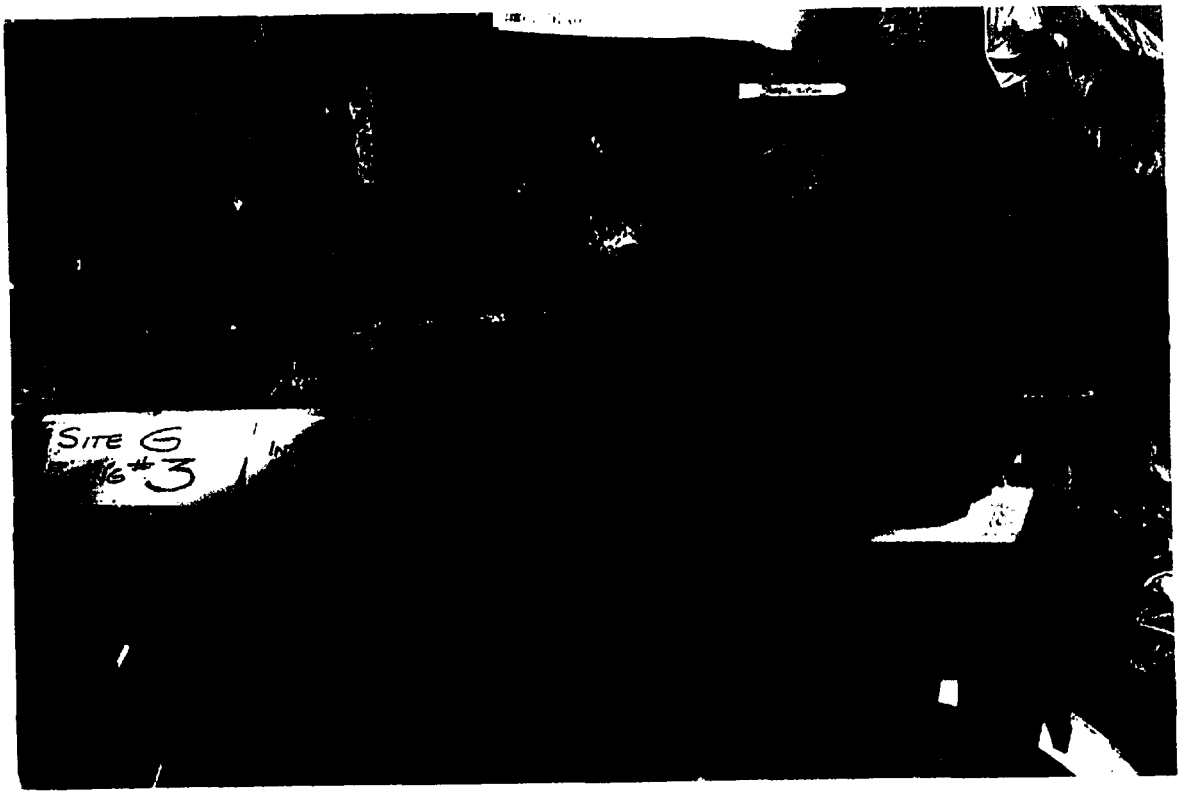
Site G waste borings, B2, 16-18 ft; Oct 1999



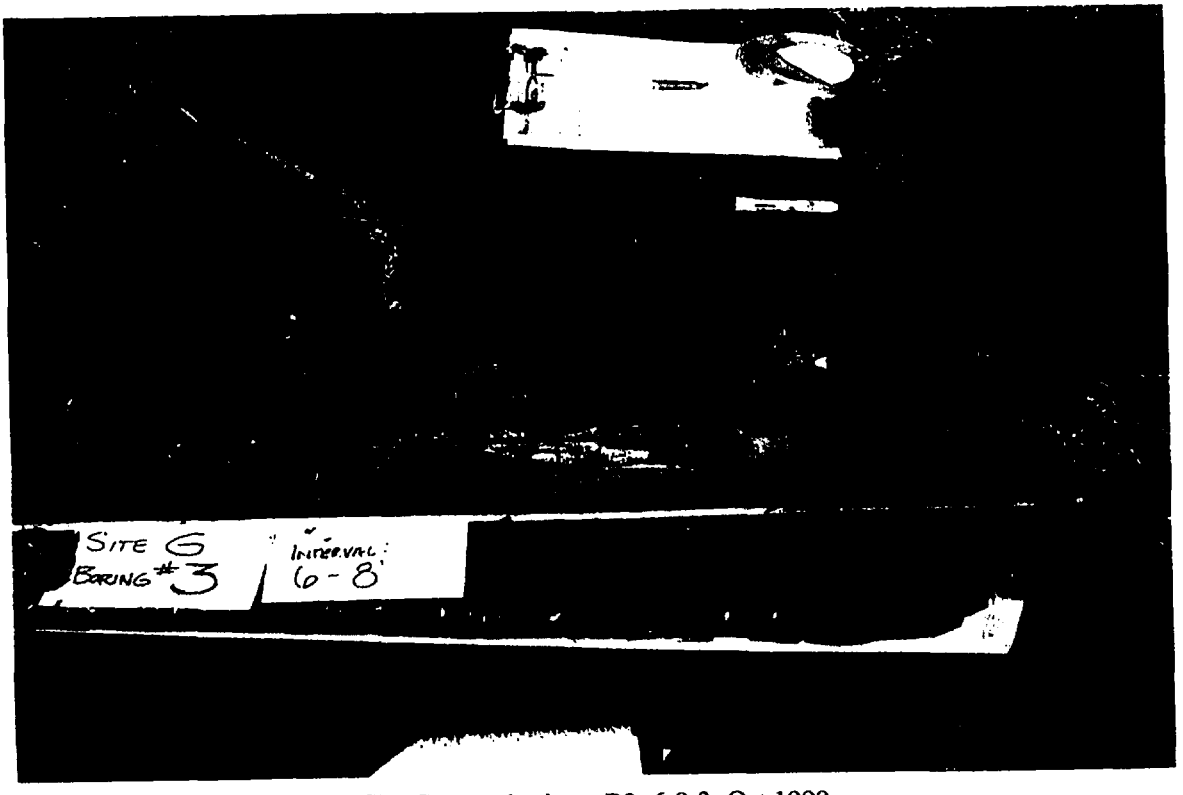
Site G waste borings, B3, 0-2 ft; Oct 1999



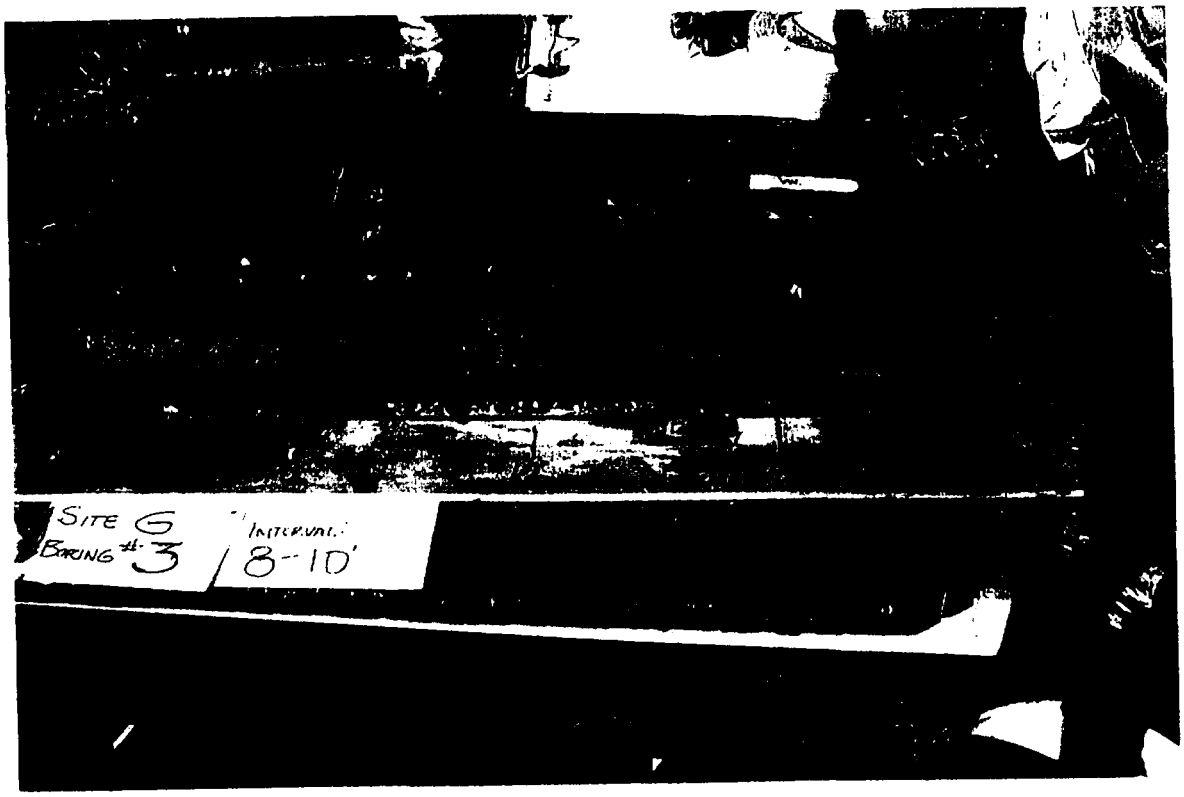
Site G waste borings, B3, 2-4 ft; Oct 1999



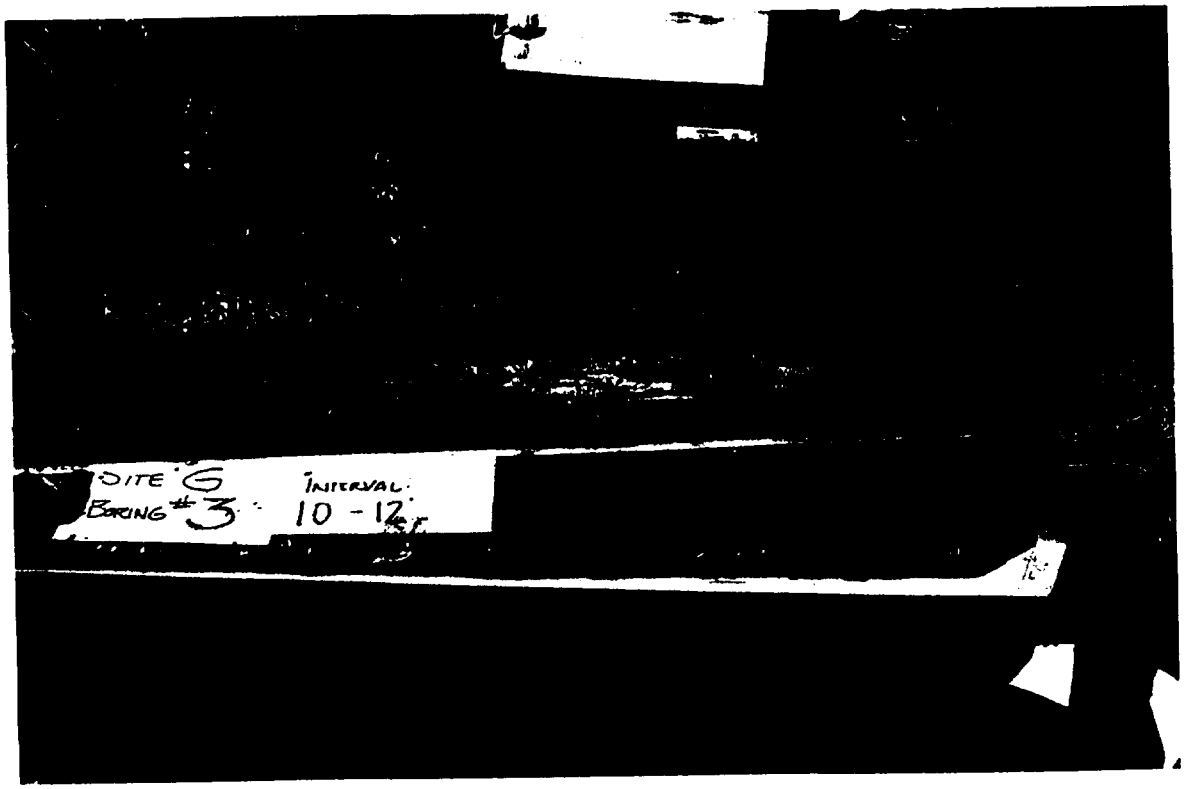
Site G waste borings, B3, 4-6 ft; Oct 1999



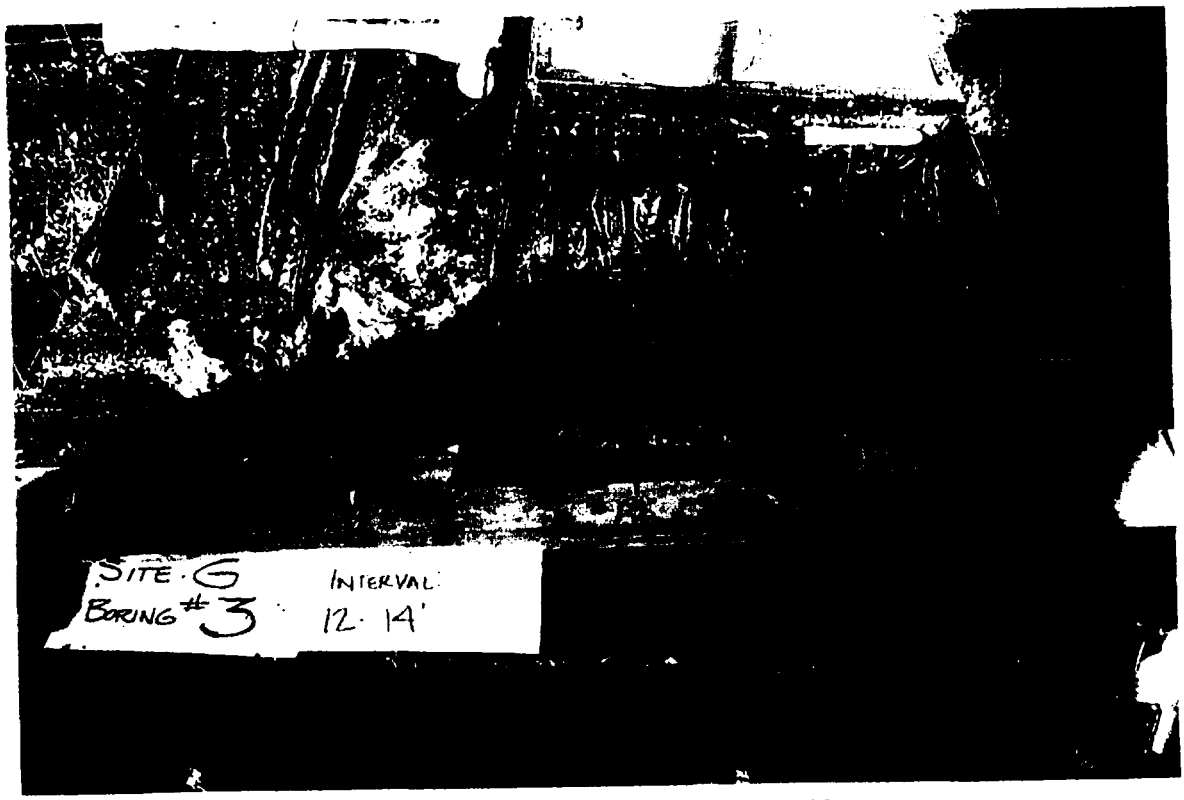
Site G waste borings, B3, 6-8 ft; Oct 1999



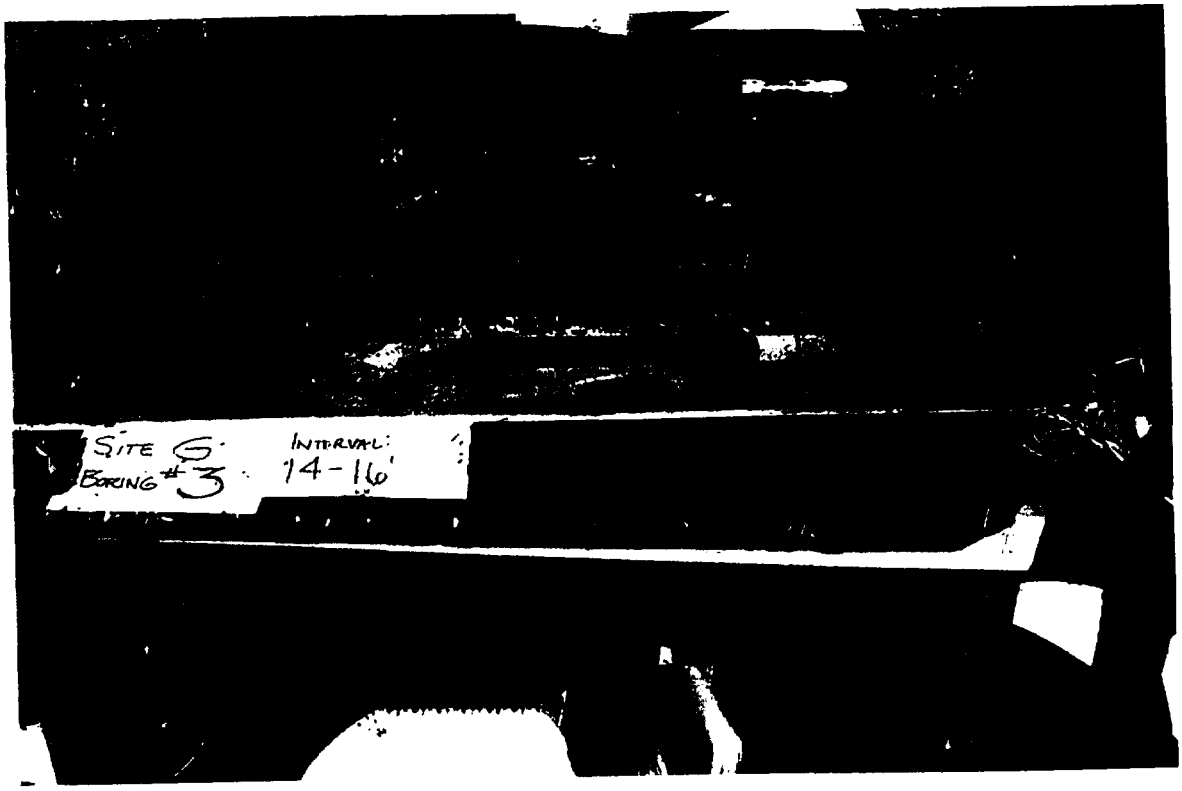
Site G waste borings, B3, 8-10 ft; Oct 1999



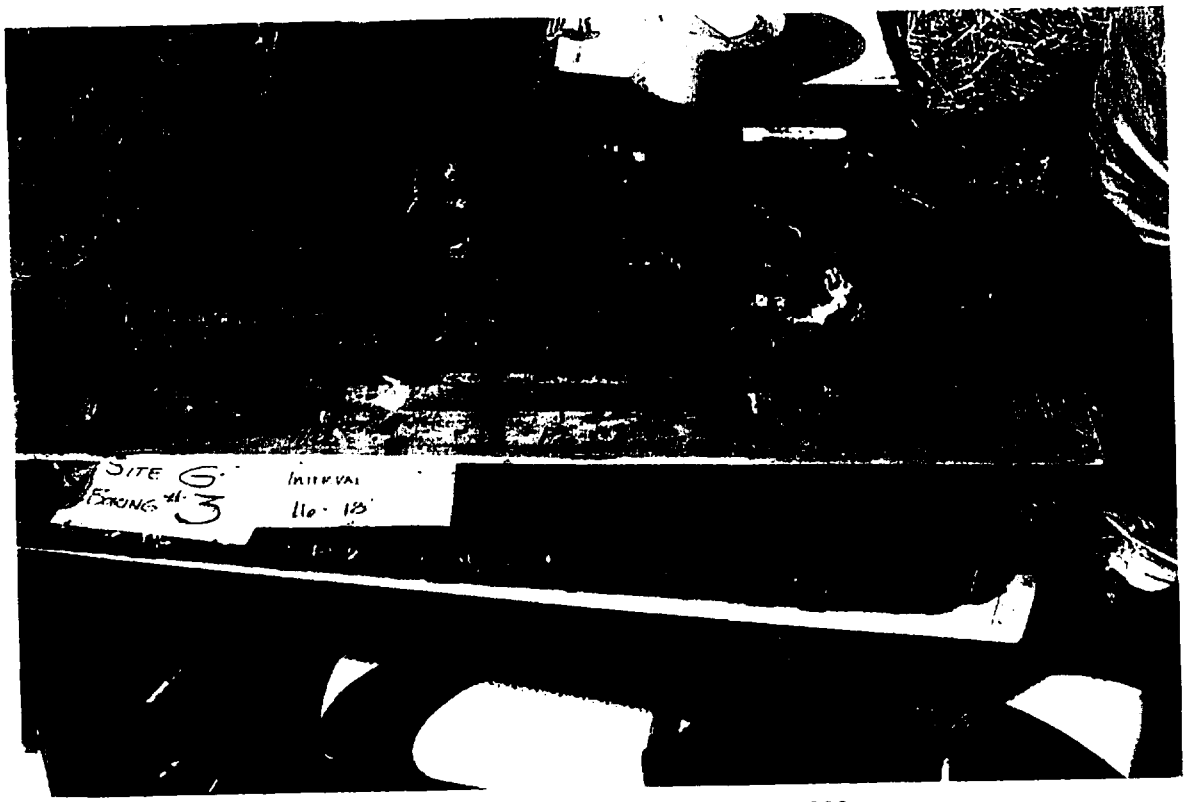
Site G waste borings, B3, 10-12 ft; Oct 1999



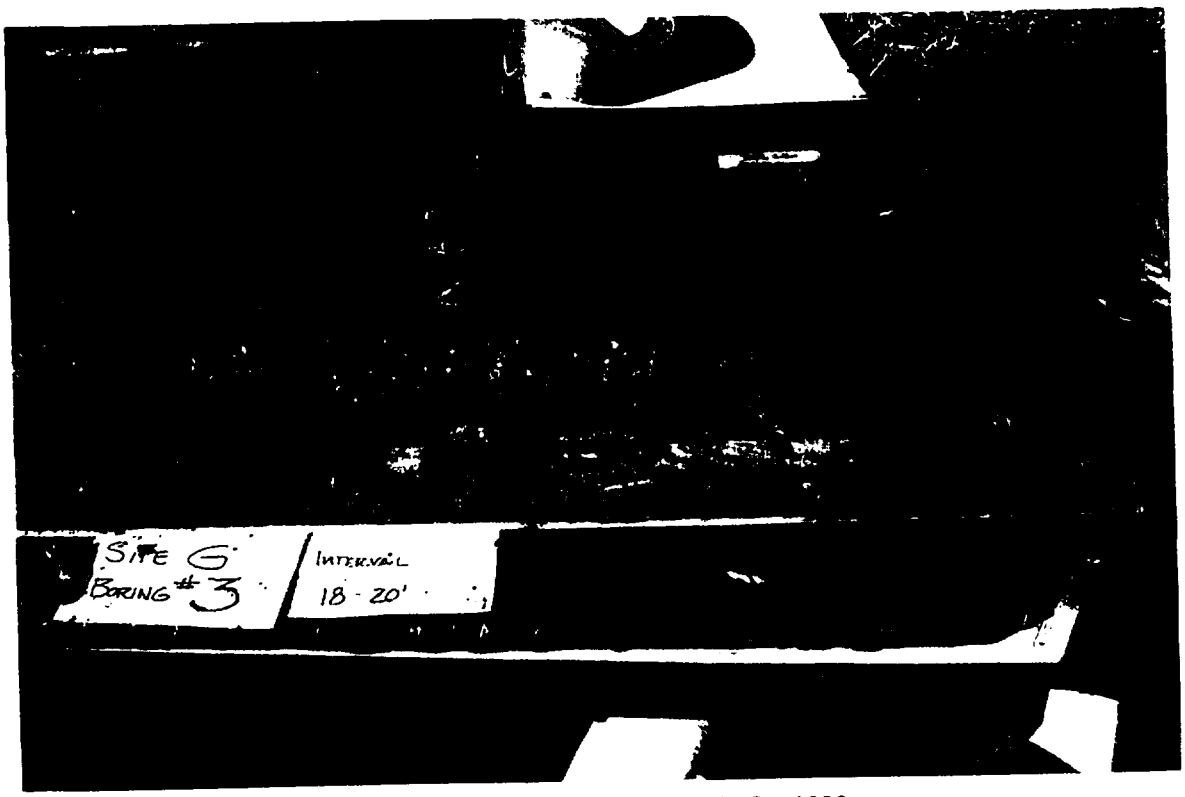
Site G waste borings, B3, 12-14 ft; Oct 1999



Site G waste borings, B3, 14-16 ft; Oct 1999

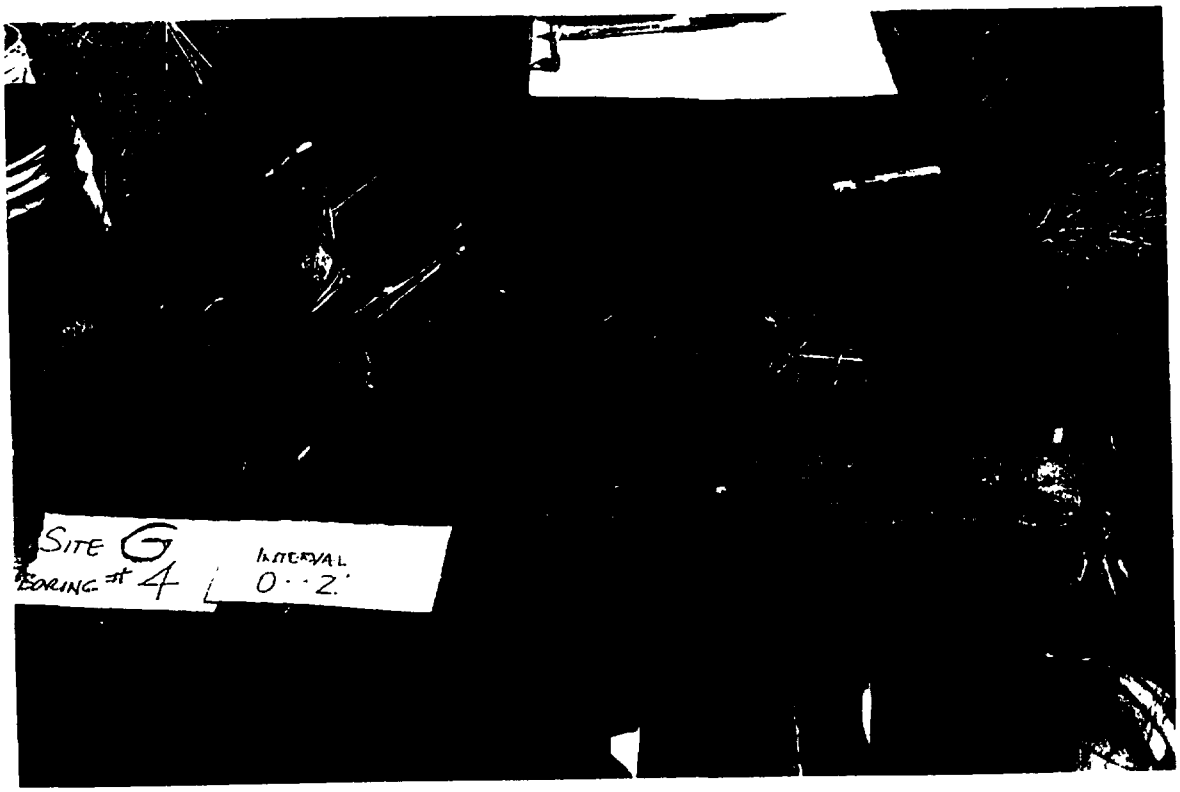


Site G waste borings, B3, 16-18 ft; Oct 1999

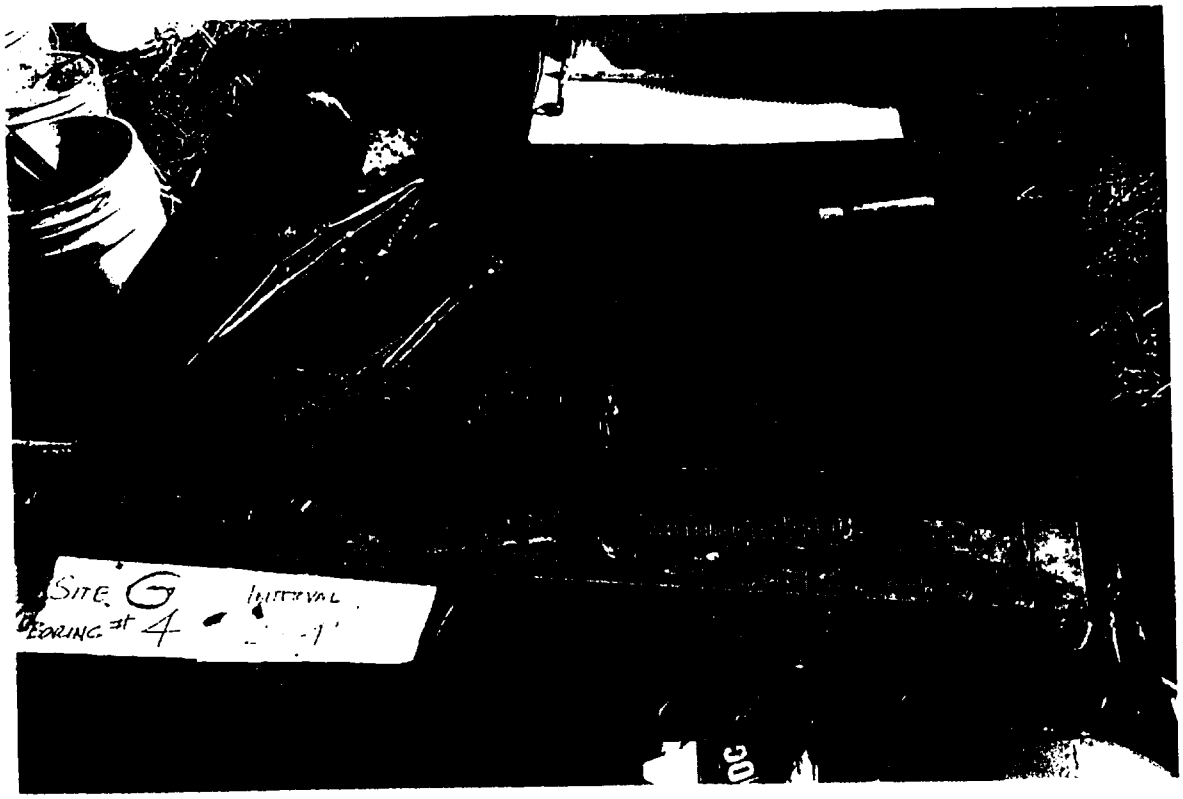


Site G waste borings, B3, 18-20 ft; Oct 1999

Site G waste borings, B3, 18-20 ft; Oct 1999

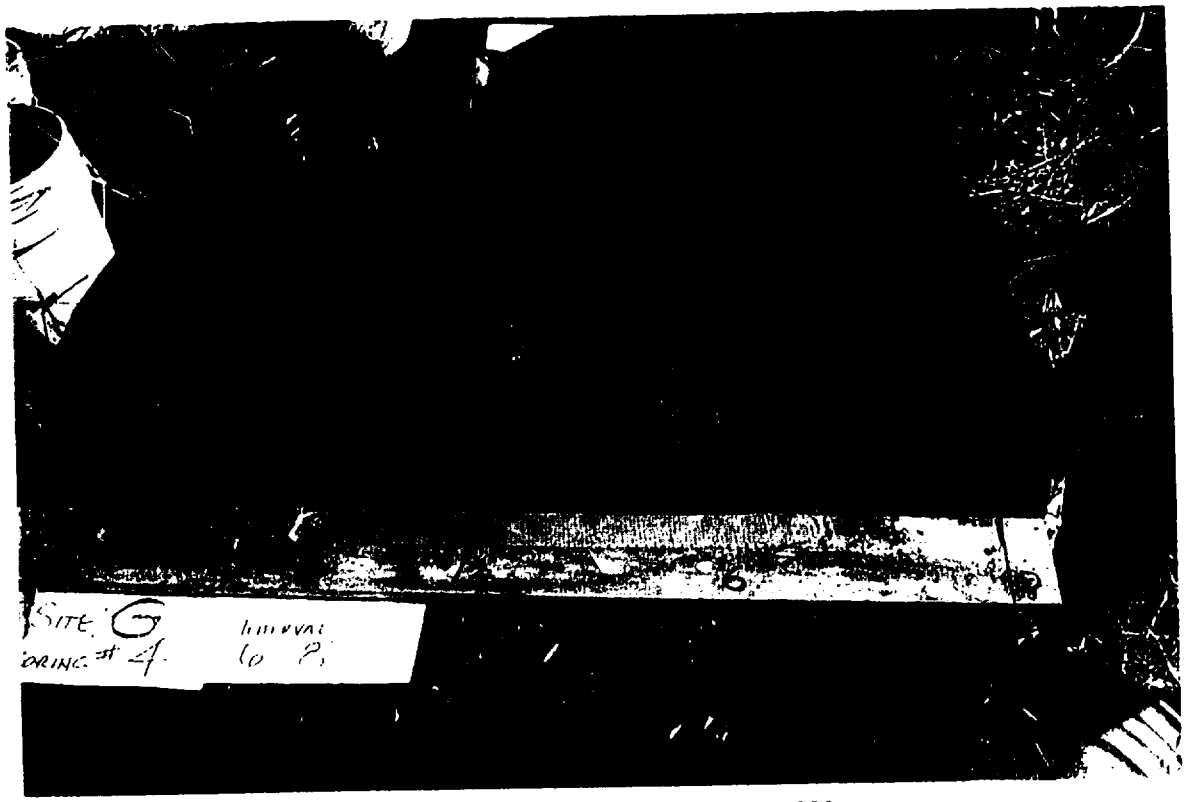


Site G waste borings, B4, 0-2 ft; Oct 1999



Site G waste borings, B4, 2-4 ft; Oct 1999

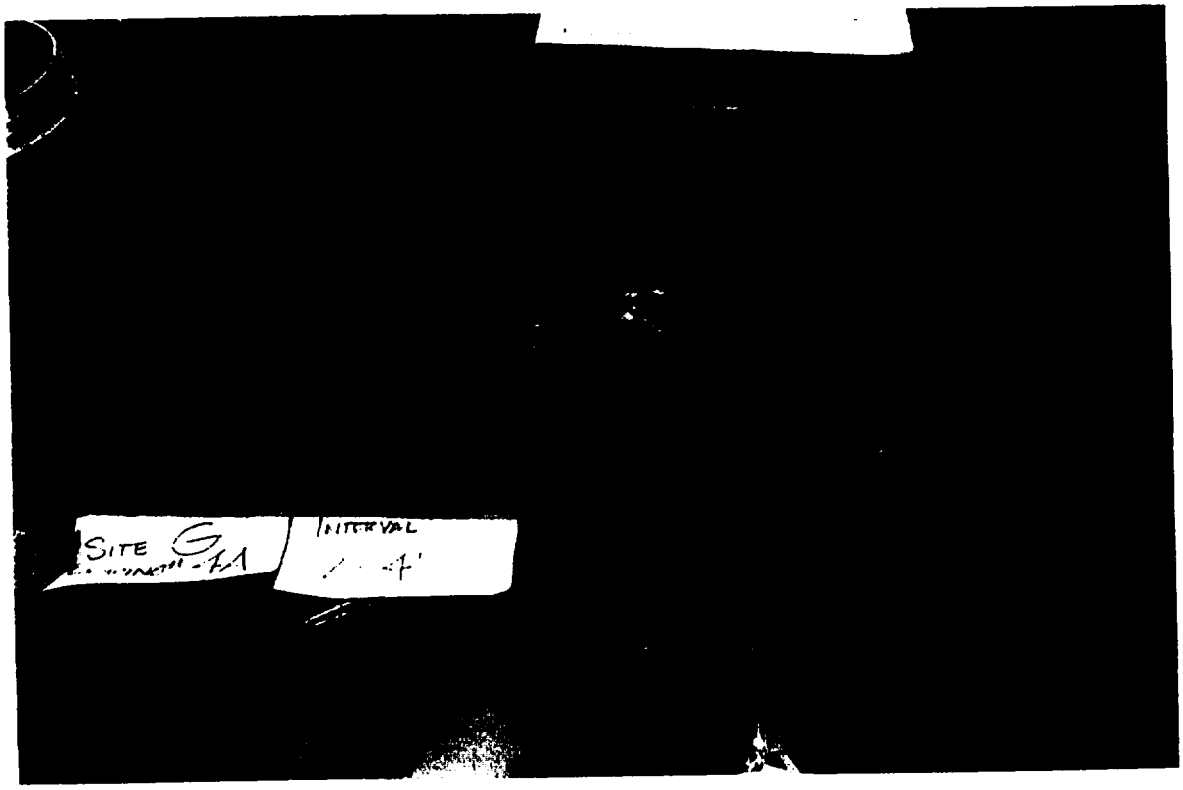
Site G waste borings, B4, 4-6 ft; Oct 1999



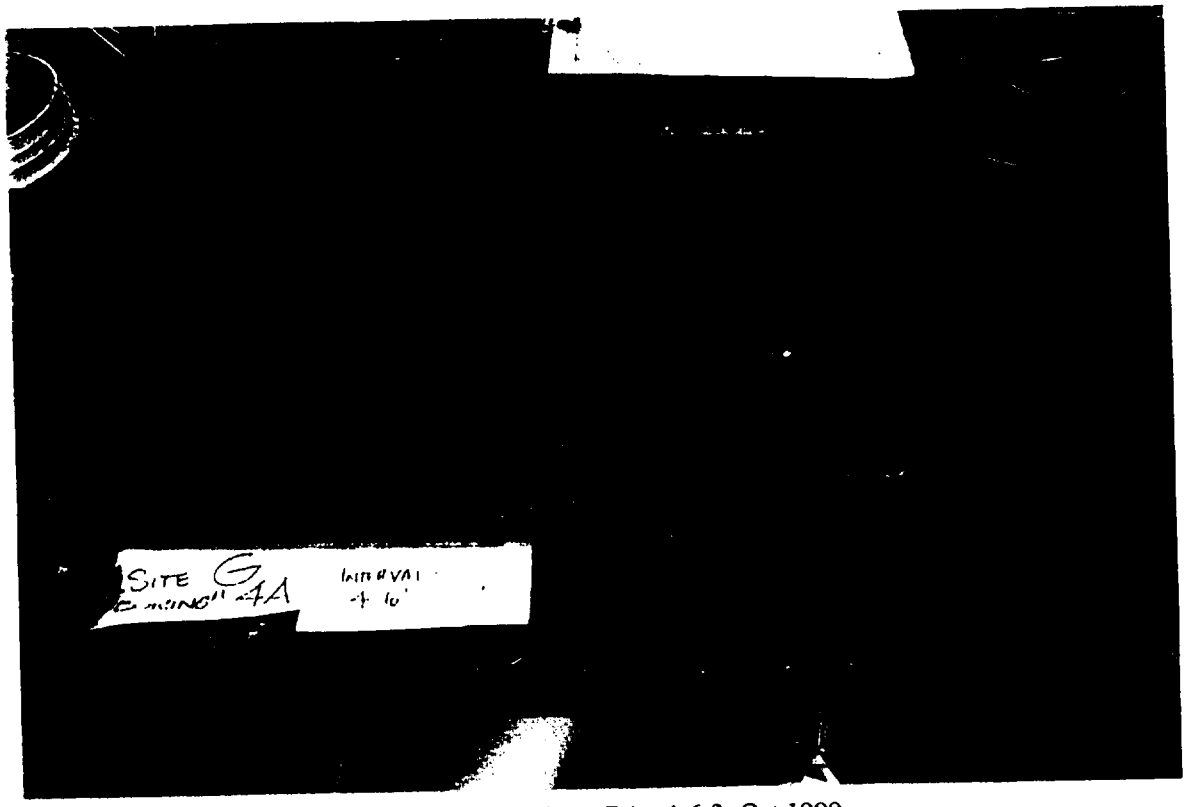
Site G waste borings, B4, 6-8 ft; Oct 1999

Site G waste borings, B4, 16-18 ft; Oct 1999

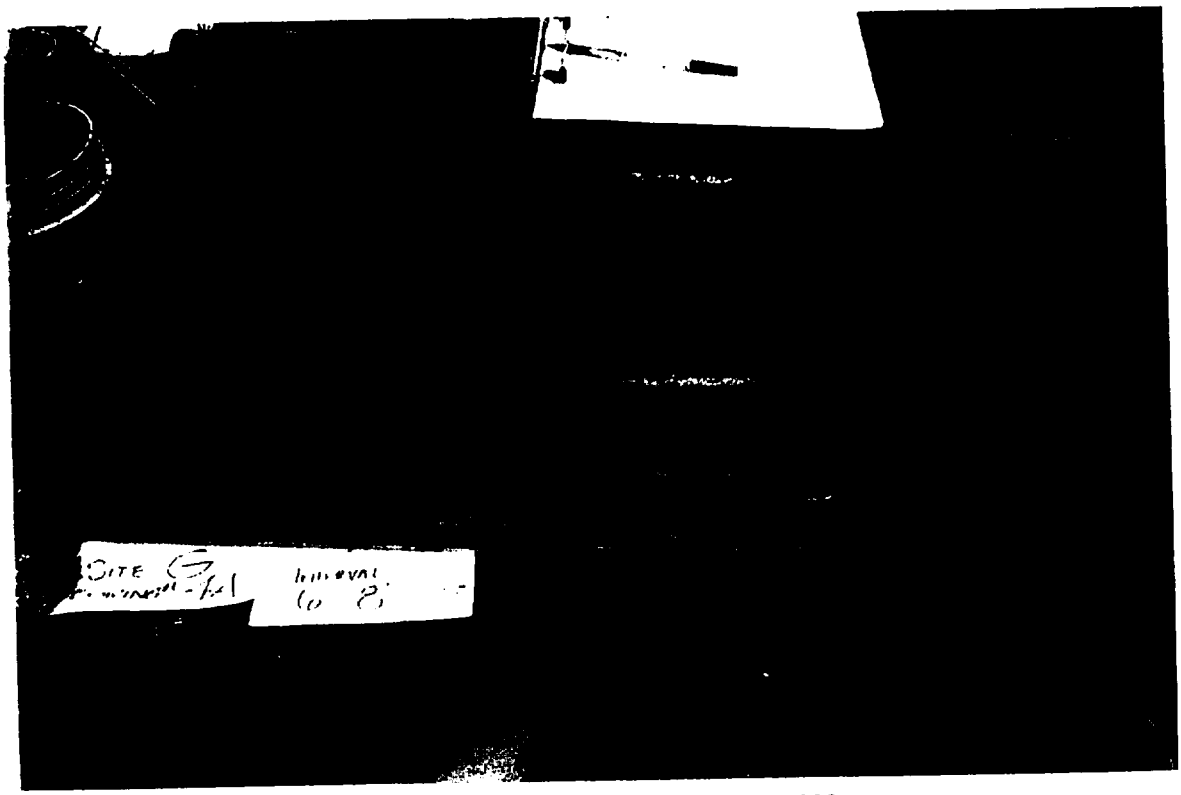
Site G waste borings, B4, 24-26 ft; Oct 1999



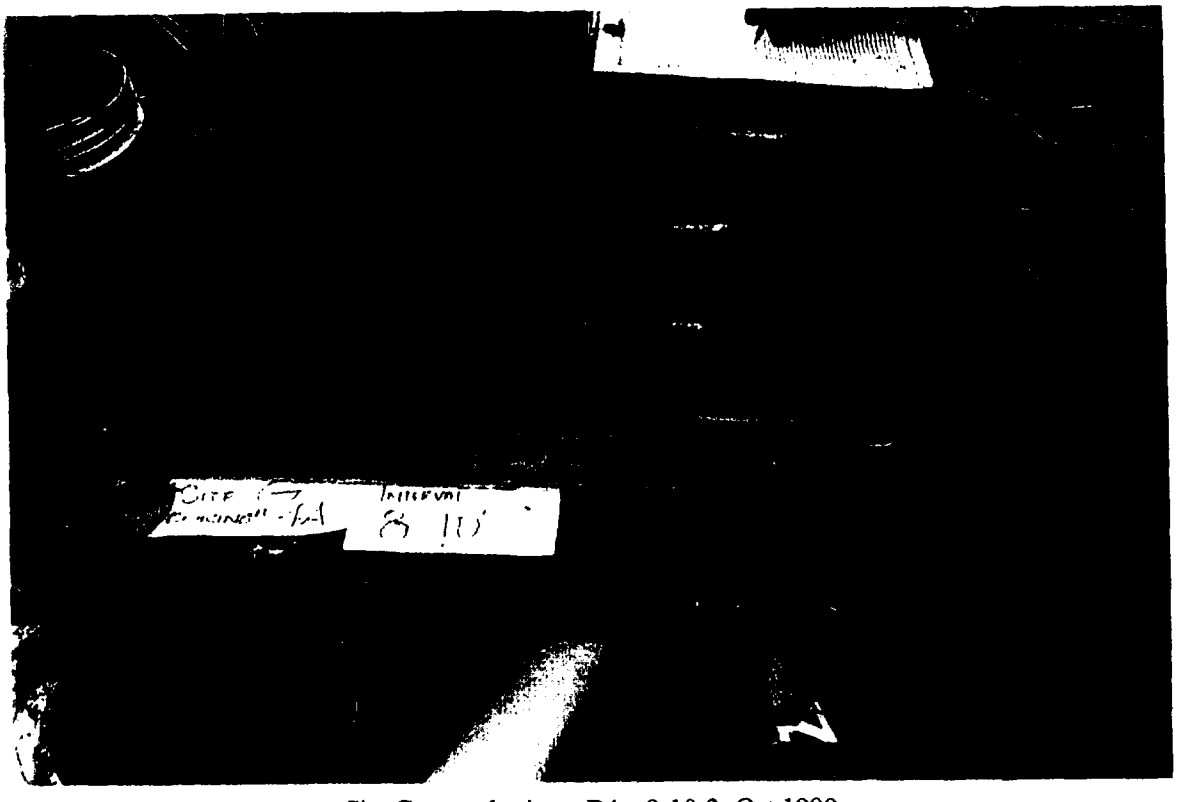
Site G waste borings, B4a, 2-4 ft; Oct 1999



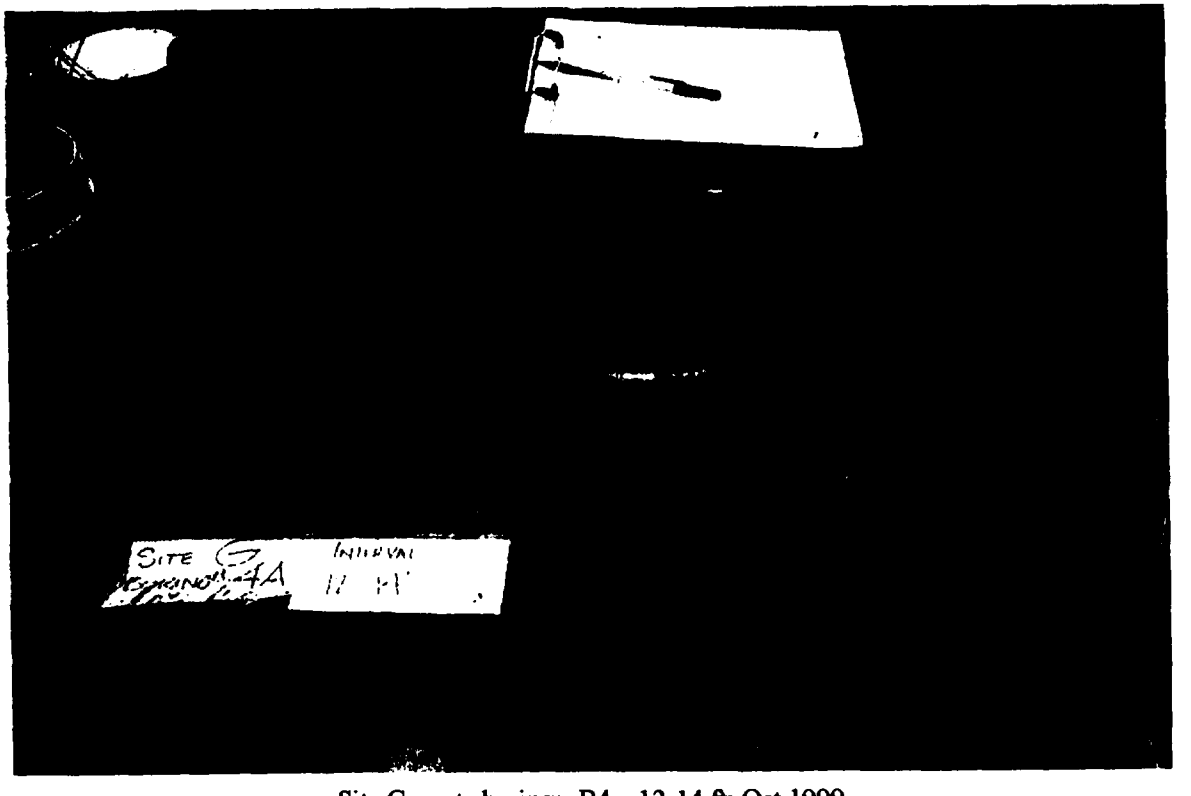
Site G waste borings, B4a, 4-6 ft; Oct 1999



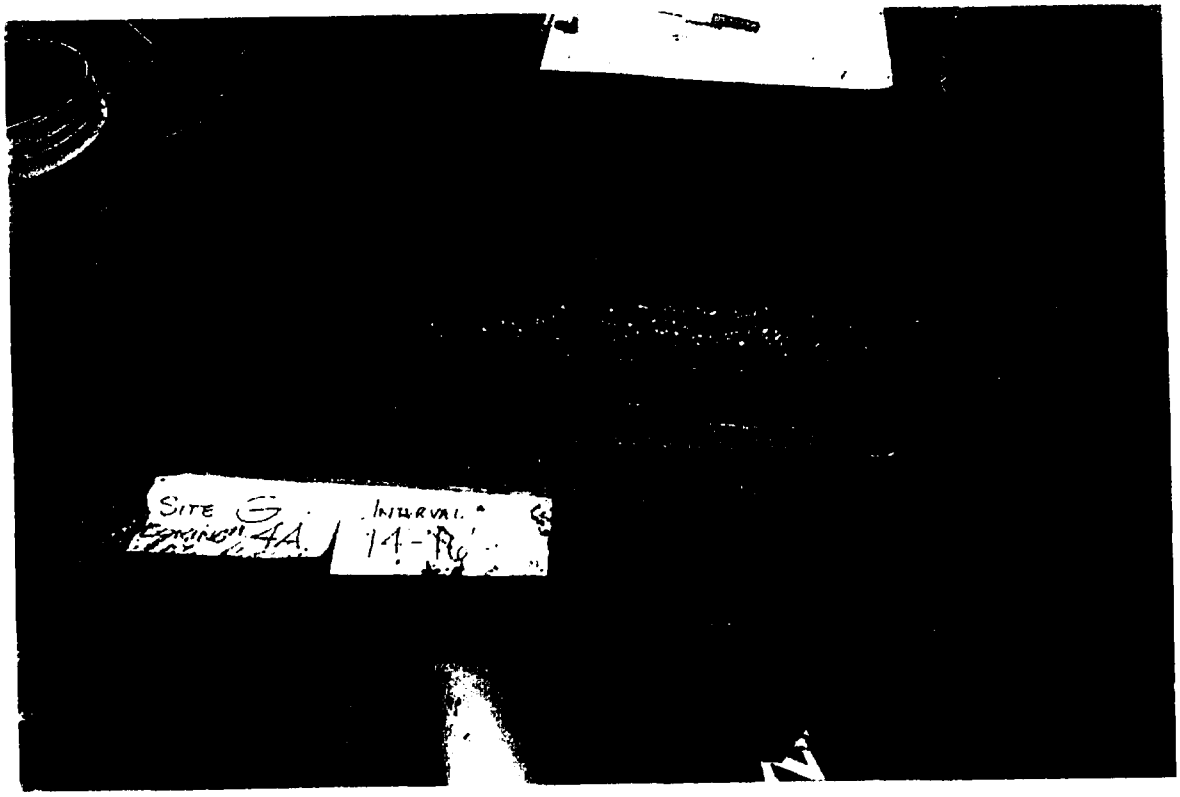
Site G waste borings, B4a, 6-8 ft; Oct 1999



Site G waste borings, B4a, 8-10 ft; Oct 1999



Site G waste borings, B4a, 12-14 ft; Oct 1999



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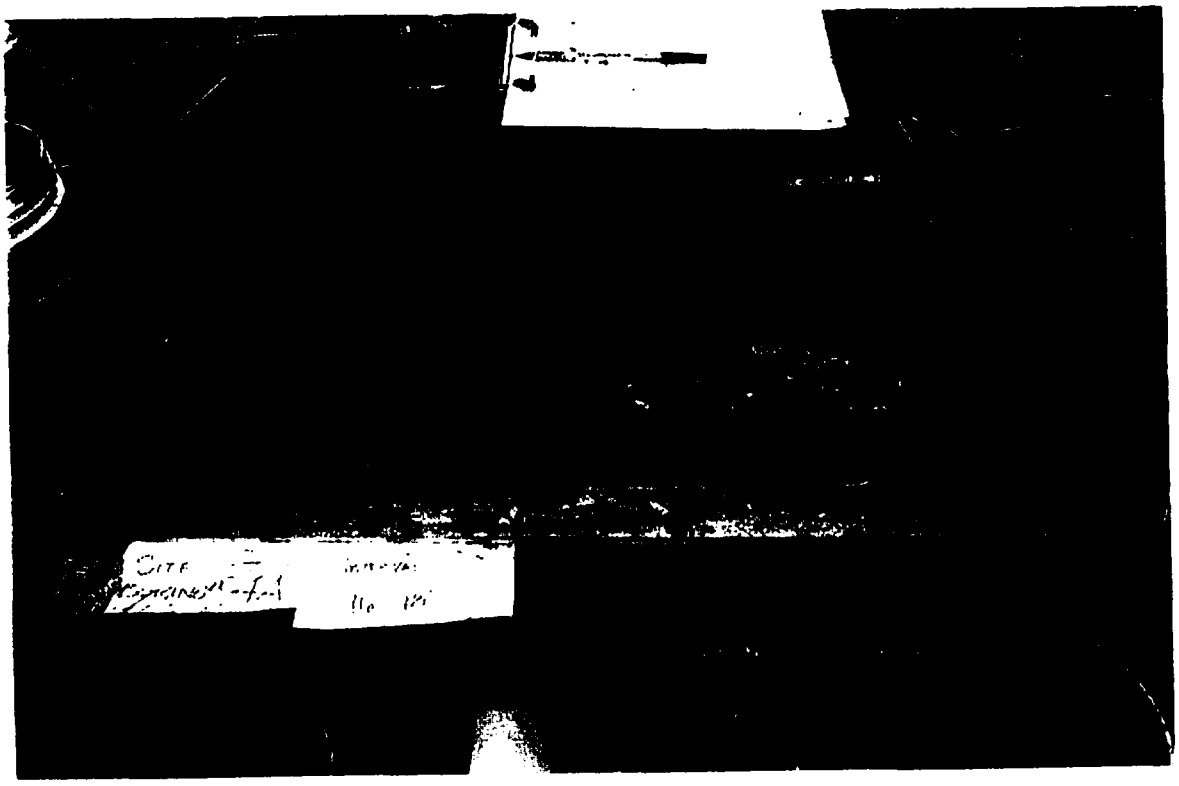

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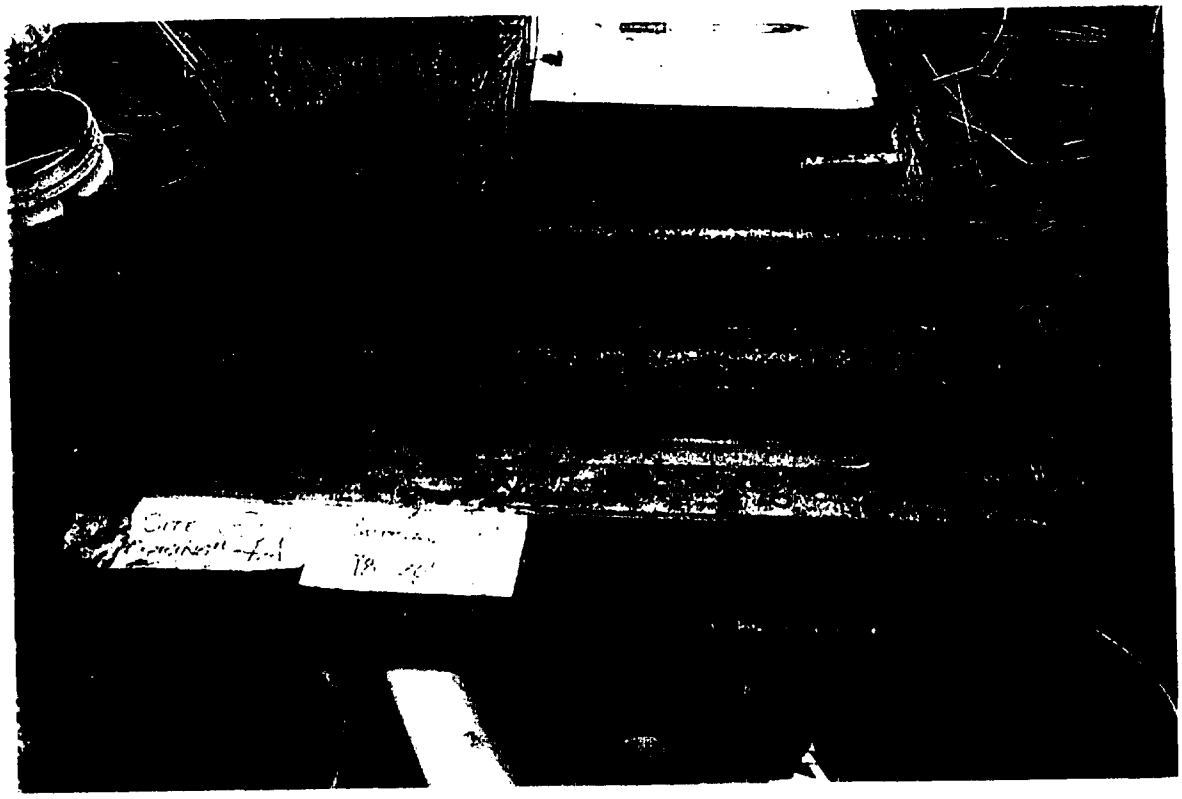
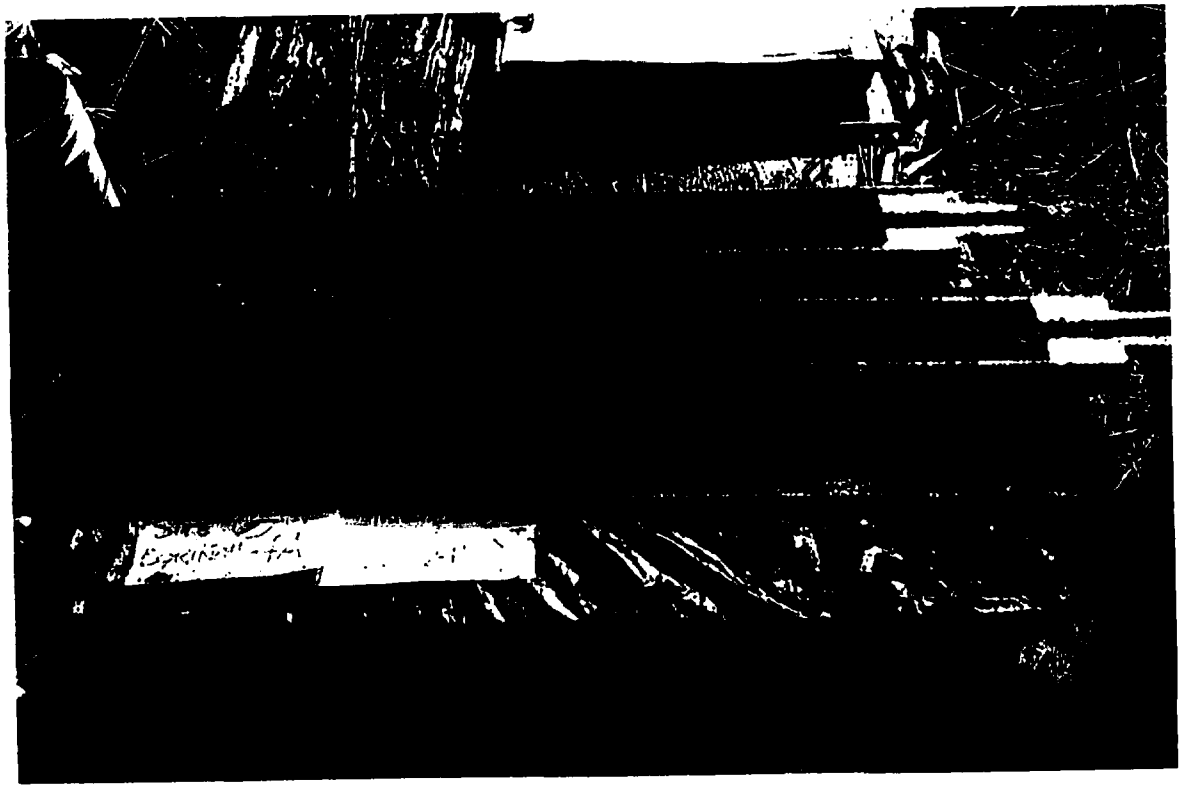
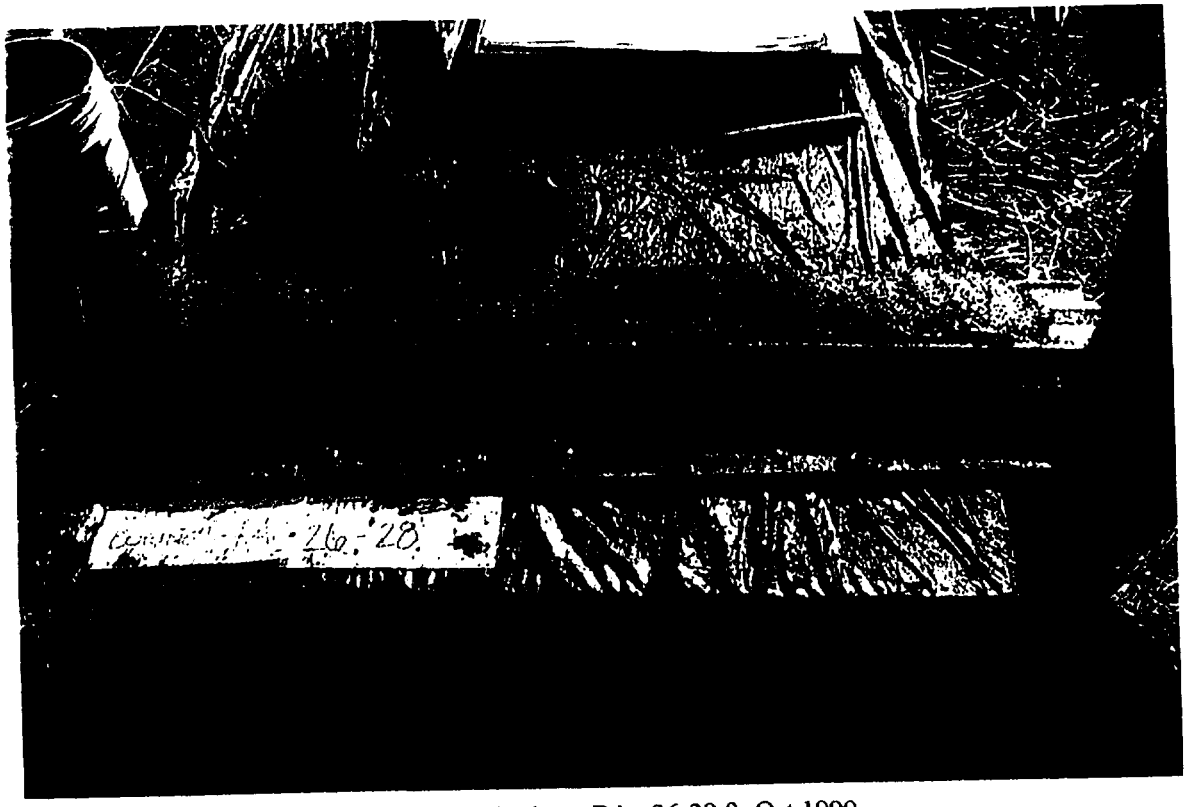


Site G waste borings, B4a, 18-20 ft; Oct 1999

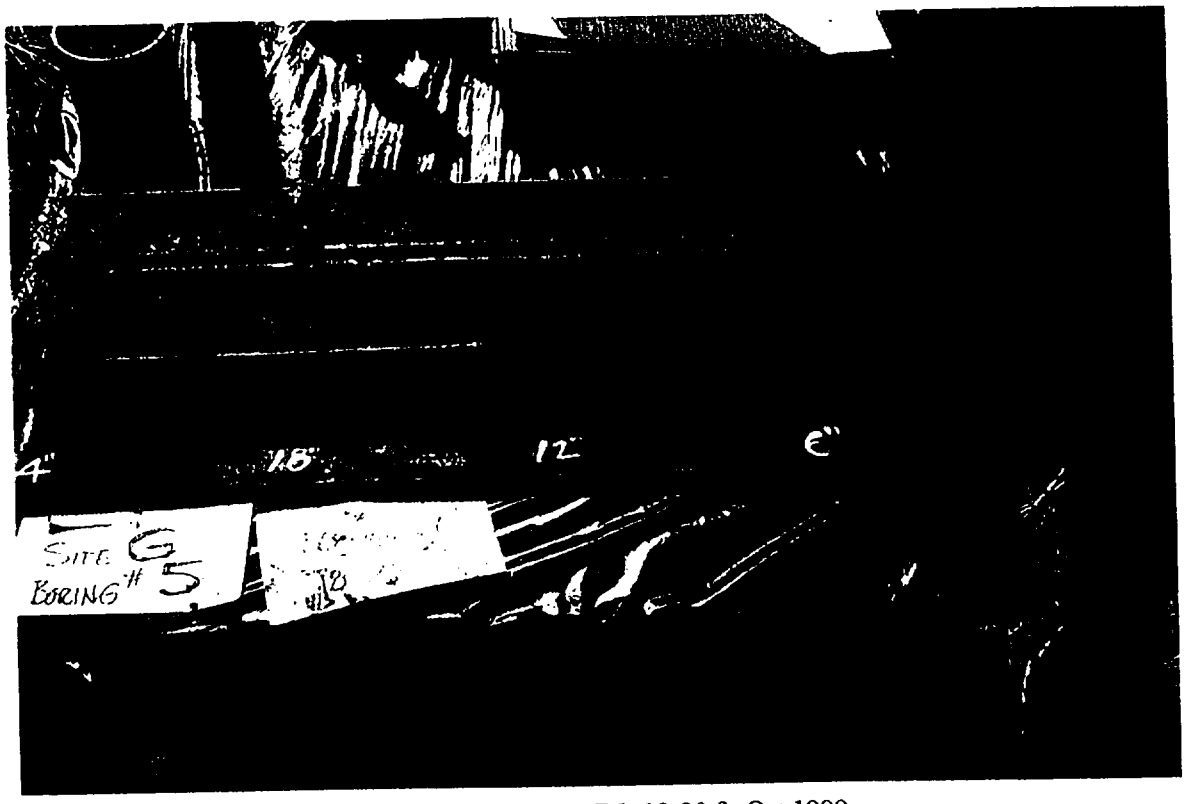


Site G waste borings, B4a, 22-24 ft; Oct 1999

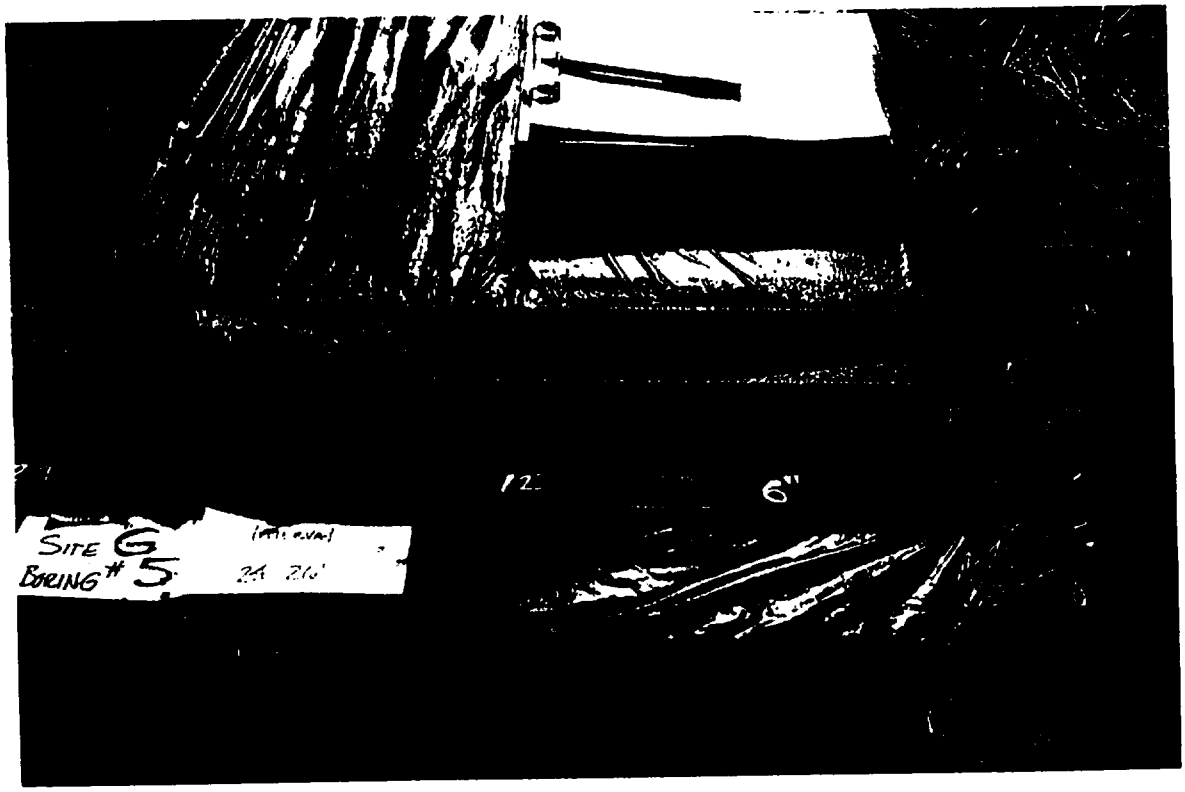


Site G waste borings, B4a, 26-28 ft; Oct 1999

Site G waste borings, B5, 14-16 ft; Oct 1999



Site G waste borings, B5, 18-20 ft; Oct 1999



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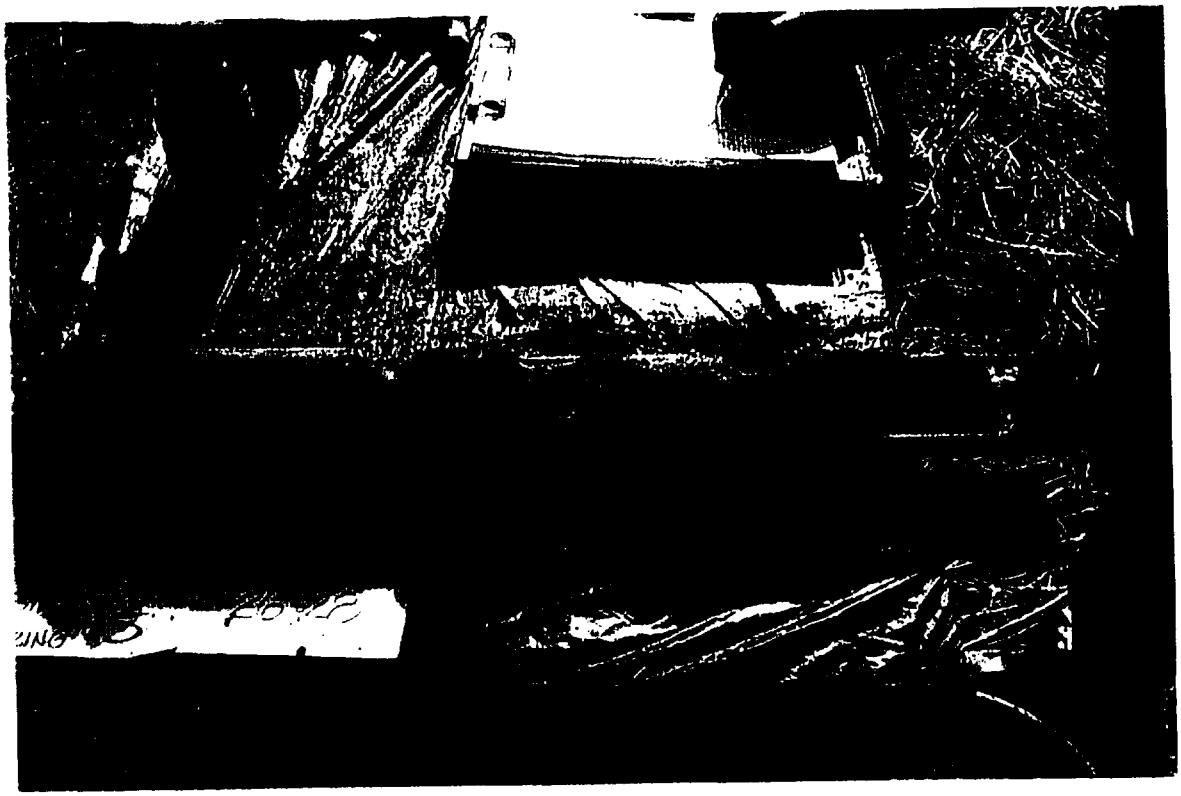
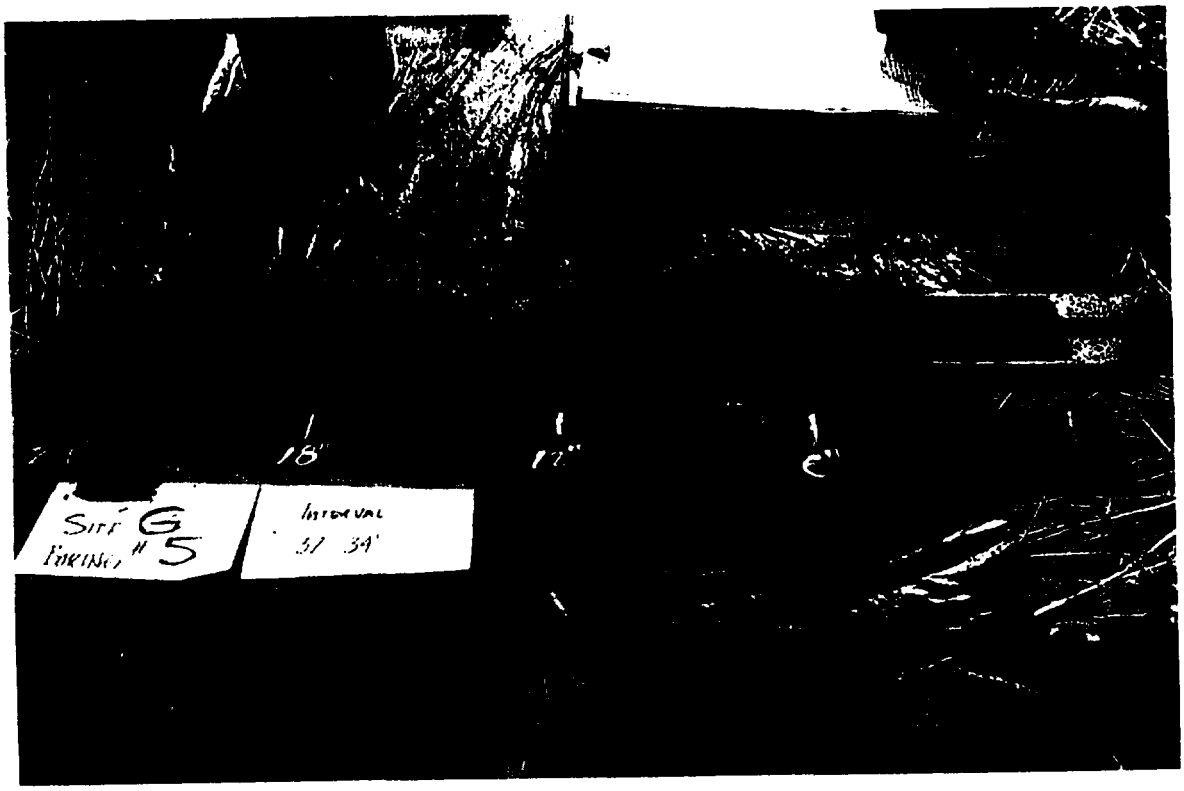


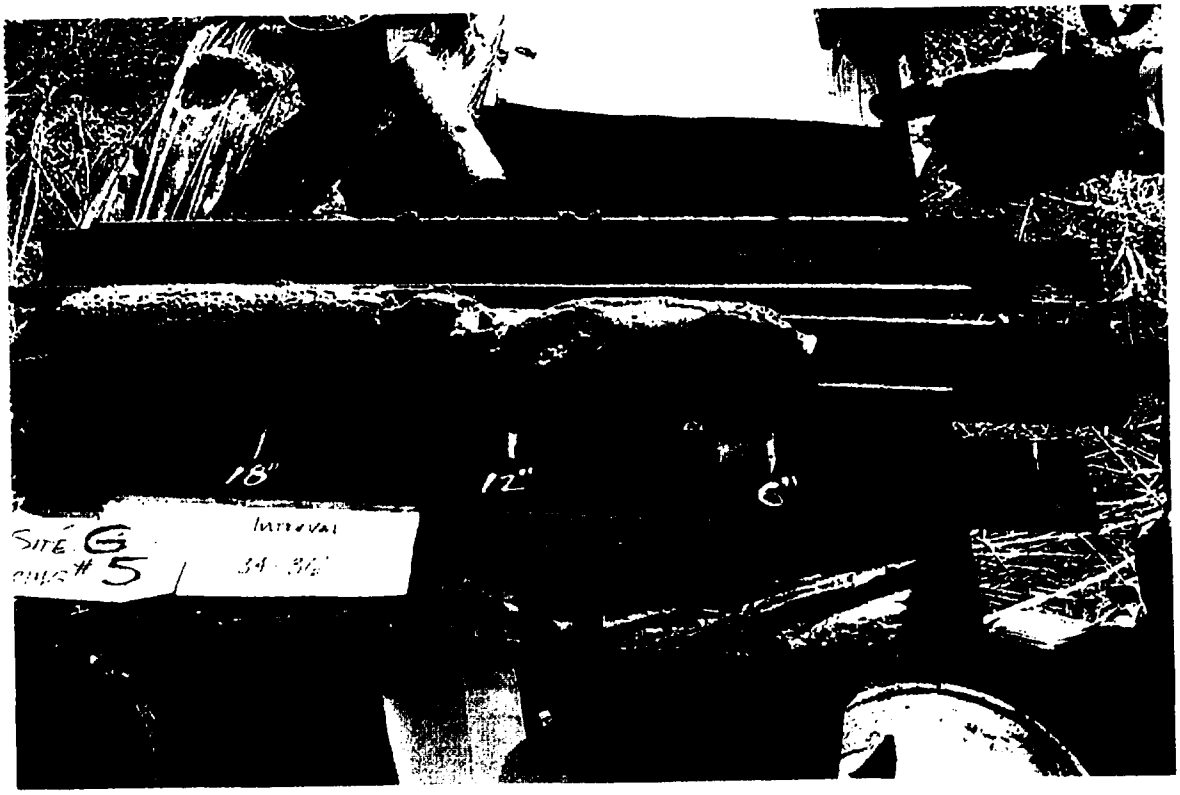
Site G waste borings, B5, 26-28 ft; Oct 1999

Site G waste borings, B5, 28-30 ft; Oct 1999

Site G waste borings, B5, 30-32 ft; Oct 1999



Site G waste borings, B5, 32-34 ft; Oct 1999

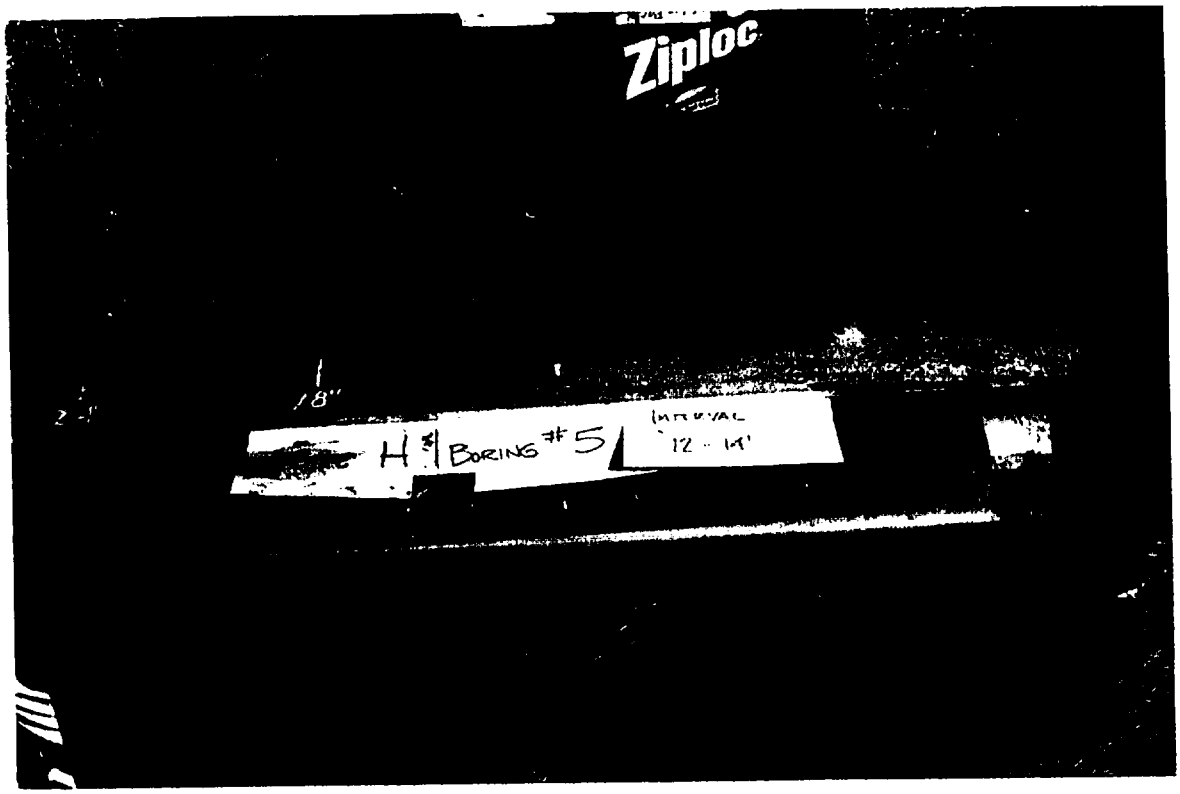


Site G waste borings, B5, 34-36 ft; Oct 1999

Site G waste borings, B5, 36-38 ft; Oct 1999

Site G waste borings, B5, 38-40 ft; Oct 1999

H



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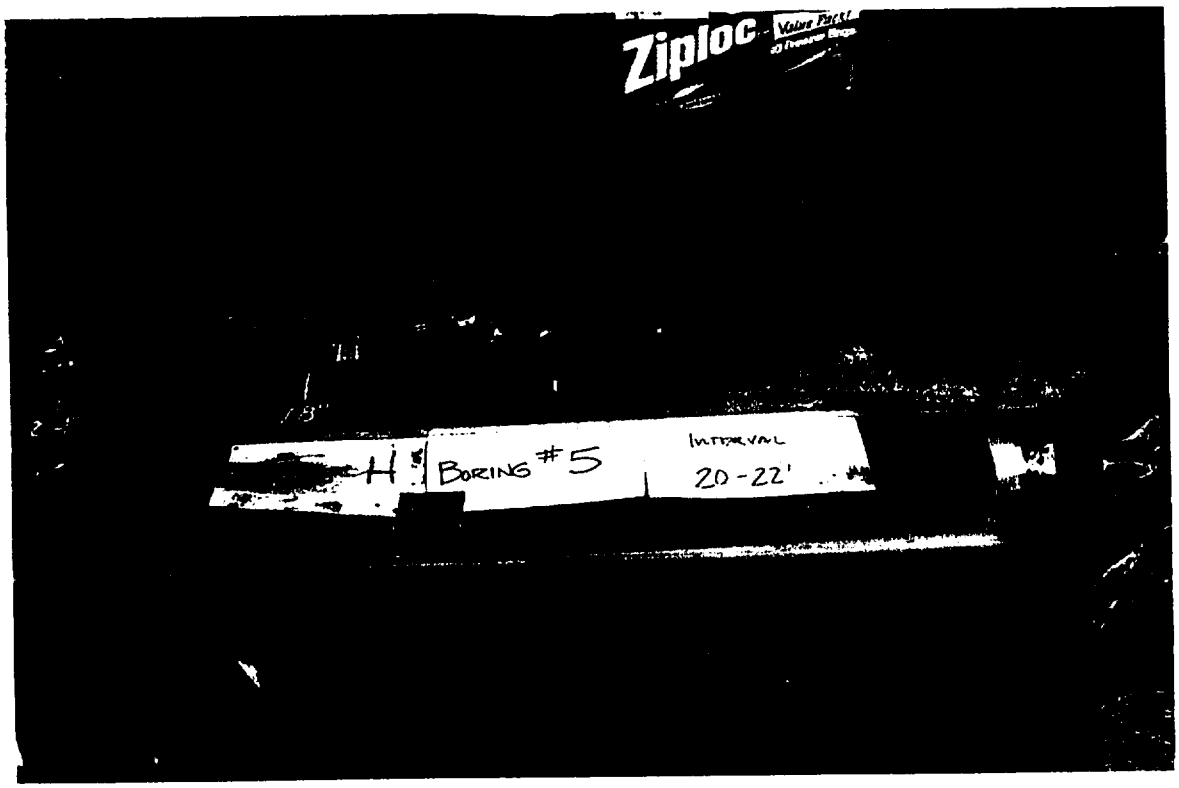
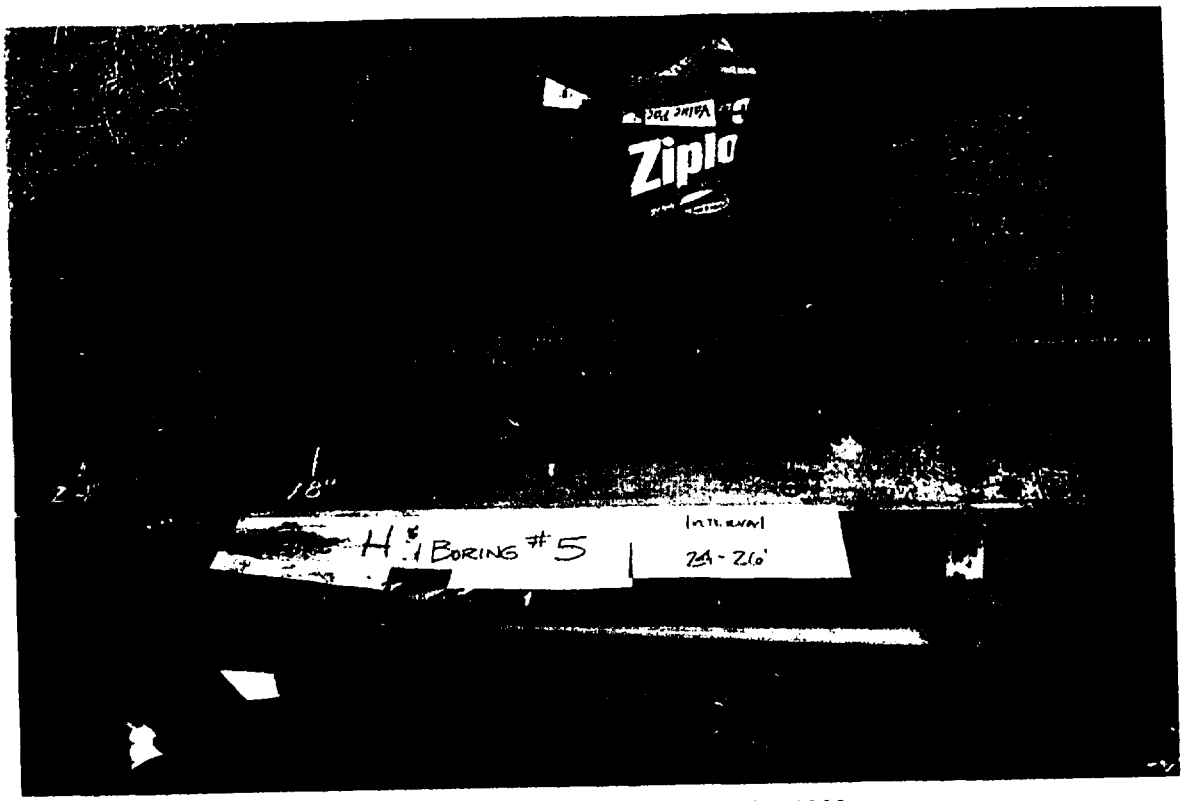
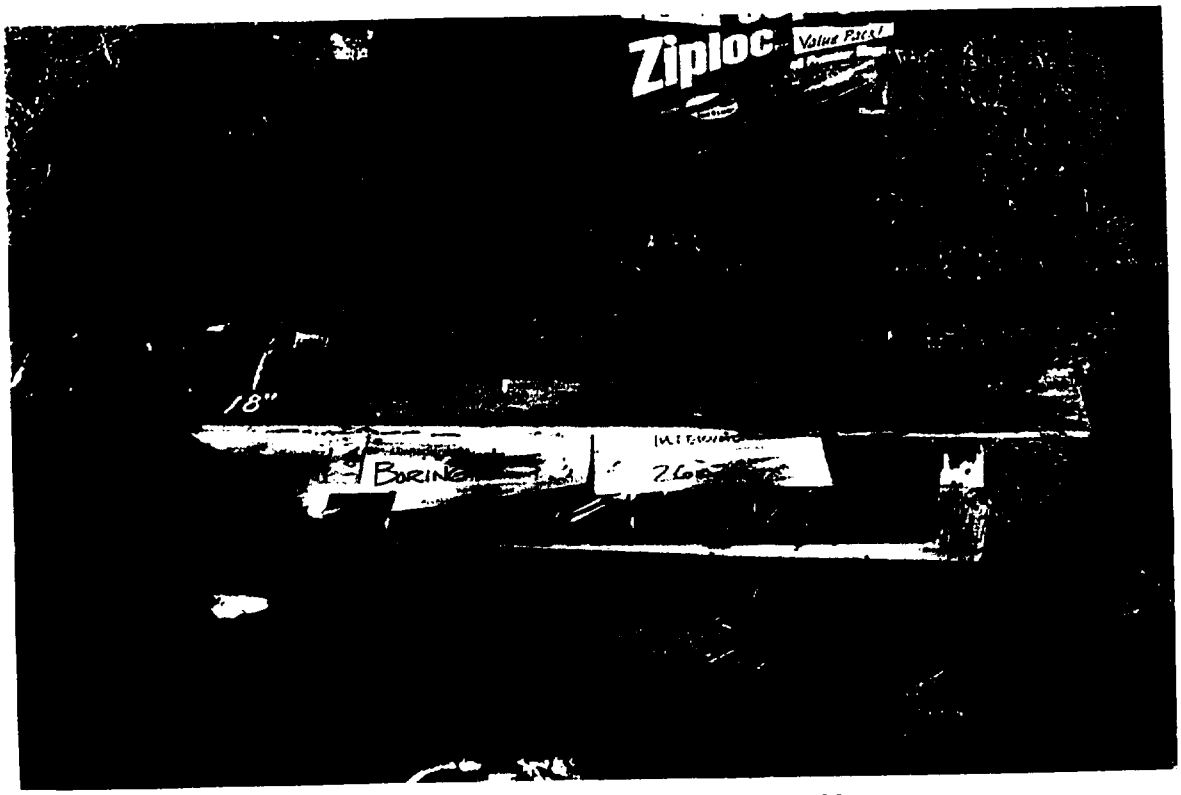


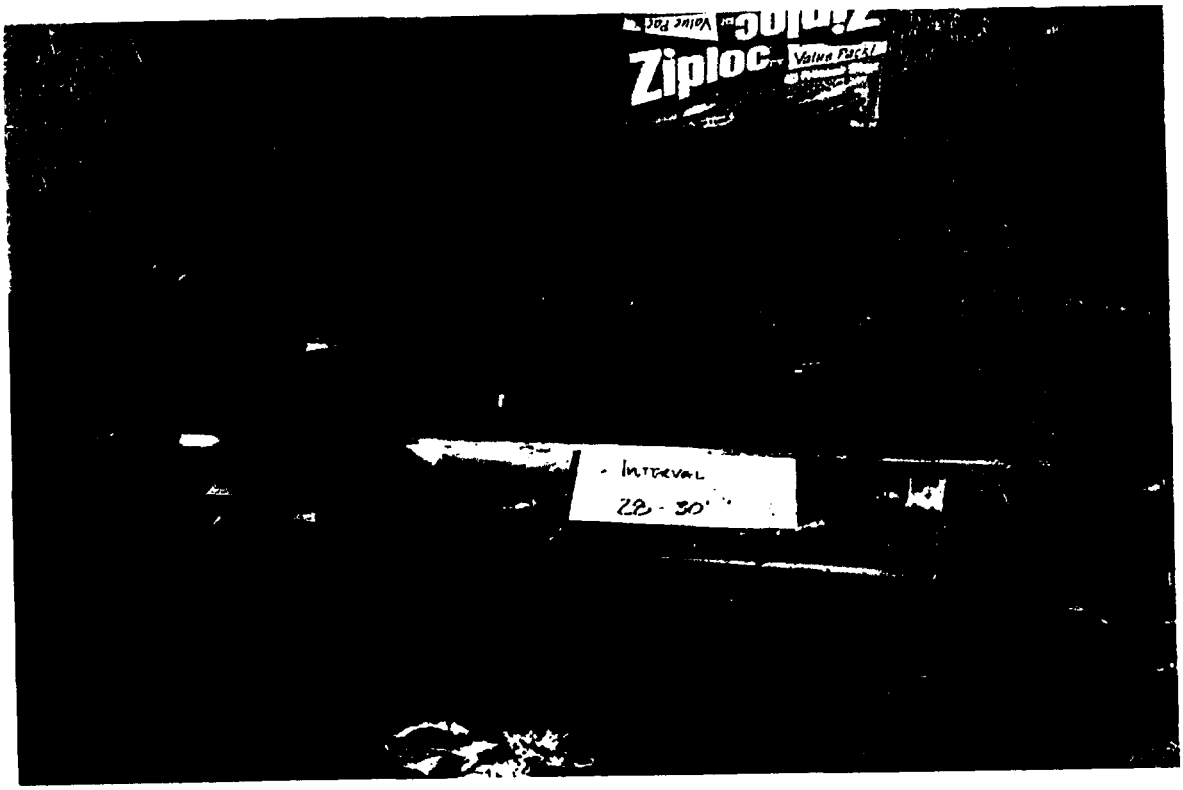
Site H waste borings, B5, 20-22 ft; Oct 1999



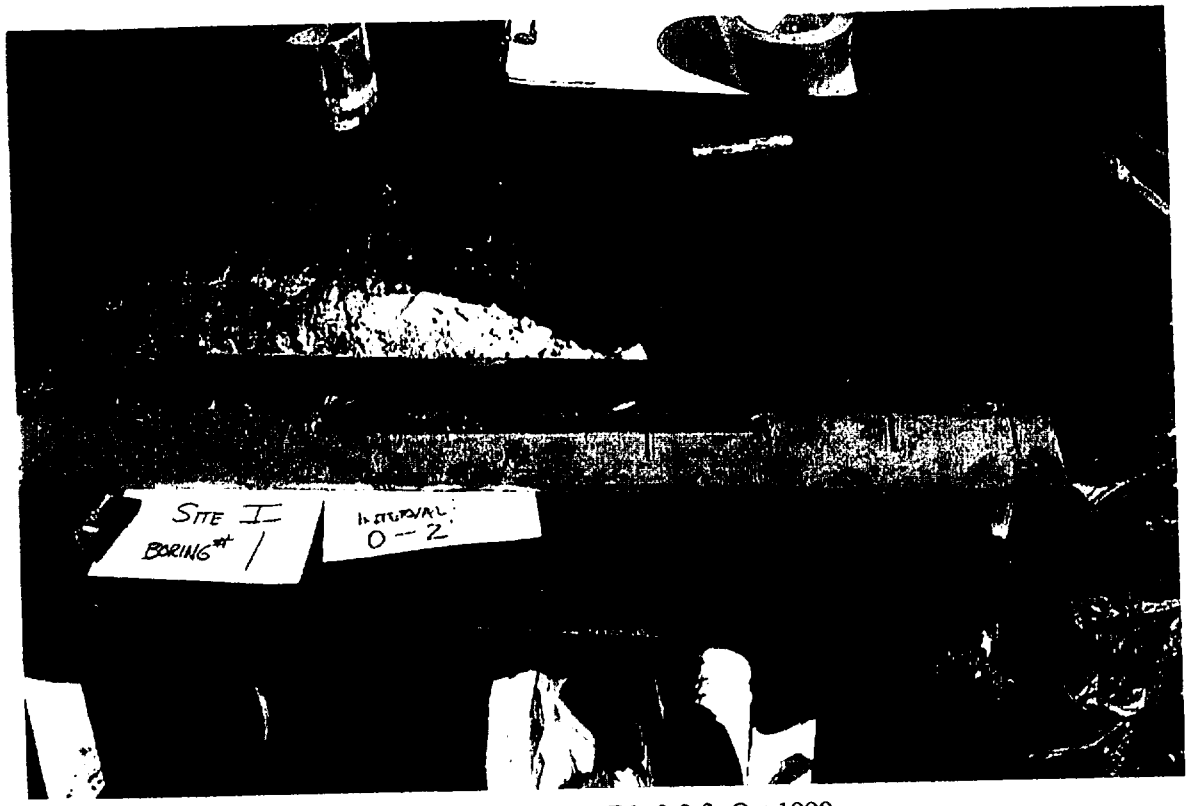
Site H waste borings, B5, 24-26 ft; Oct 1999



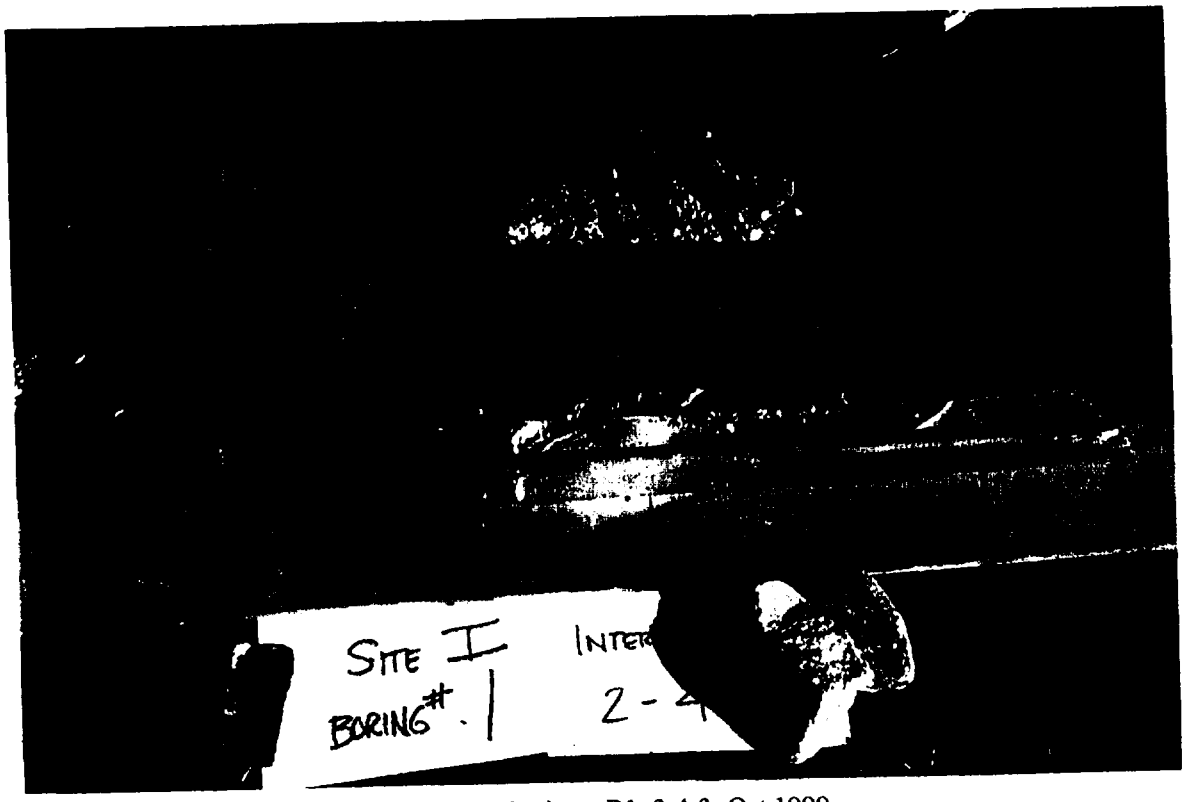
Site H waste borings, B5, 26-28 ft; Oct 1999



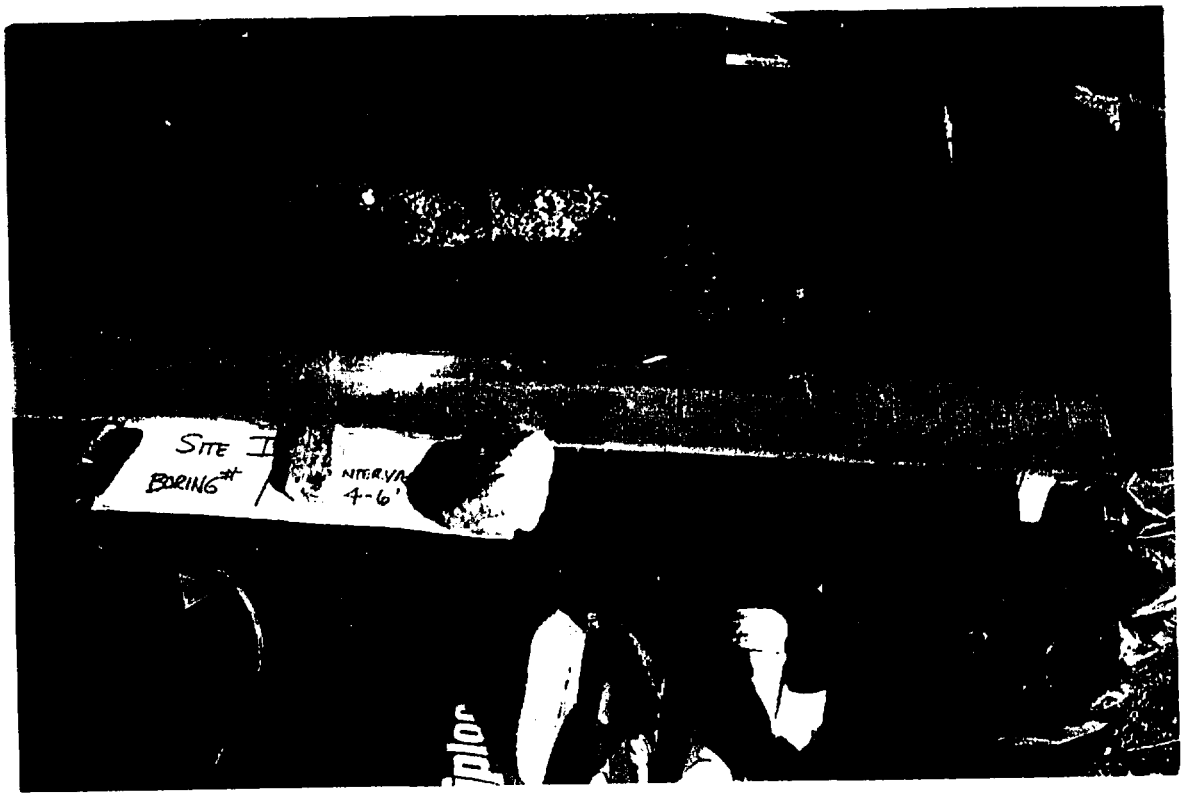
Site H waste borings, B5, 28-30 ft; Oct 1999



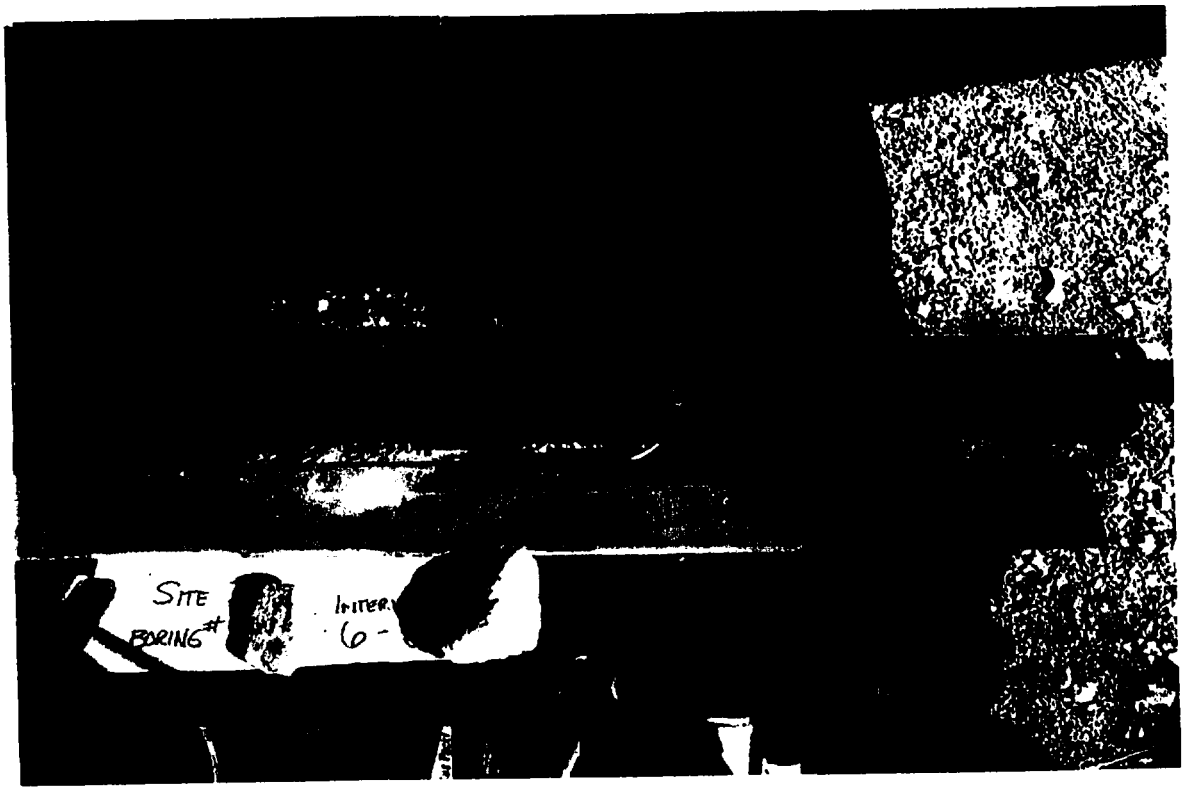
Site I waste borings, B1, 0-2 ft; Oct 1999



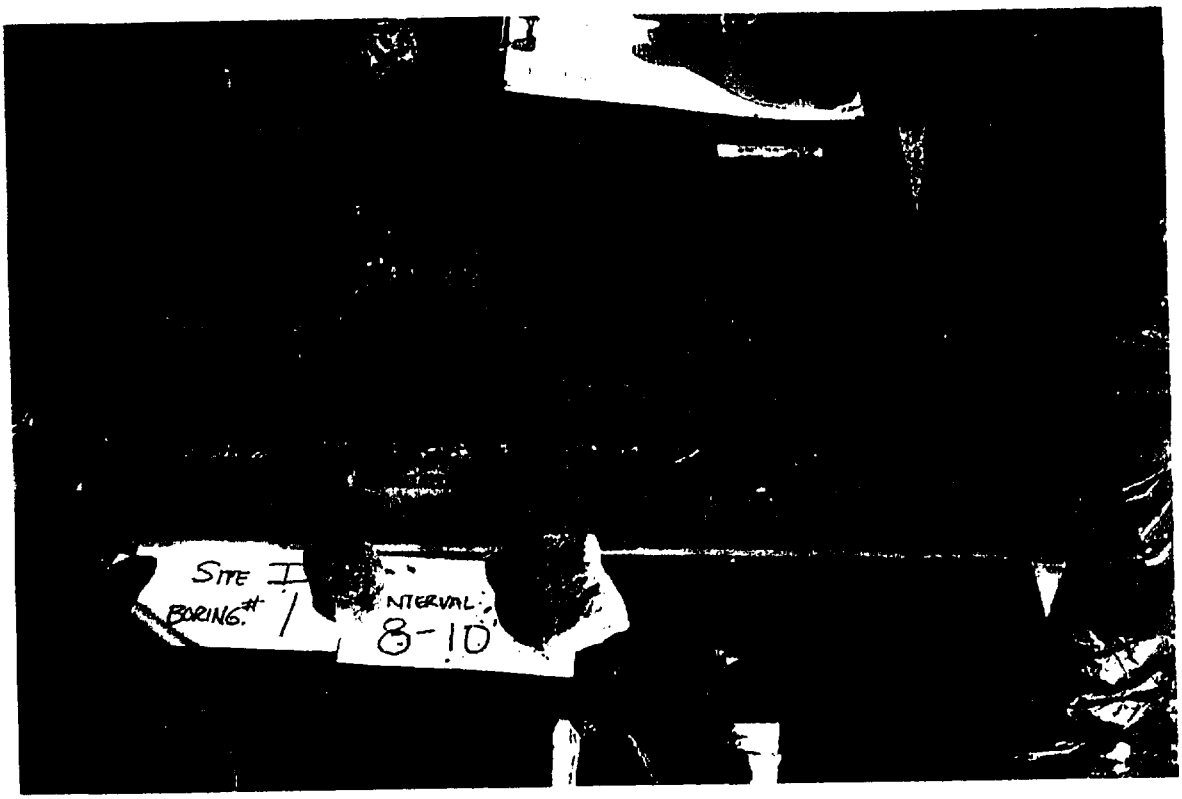
Site I waste borings, B1, 2-4 ft; Oct 1999



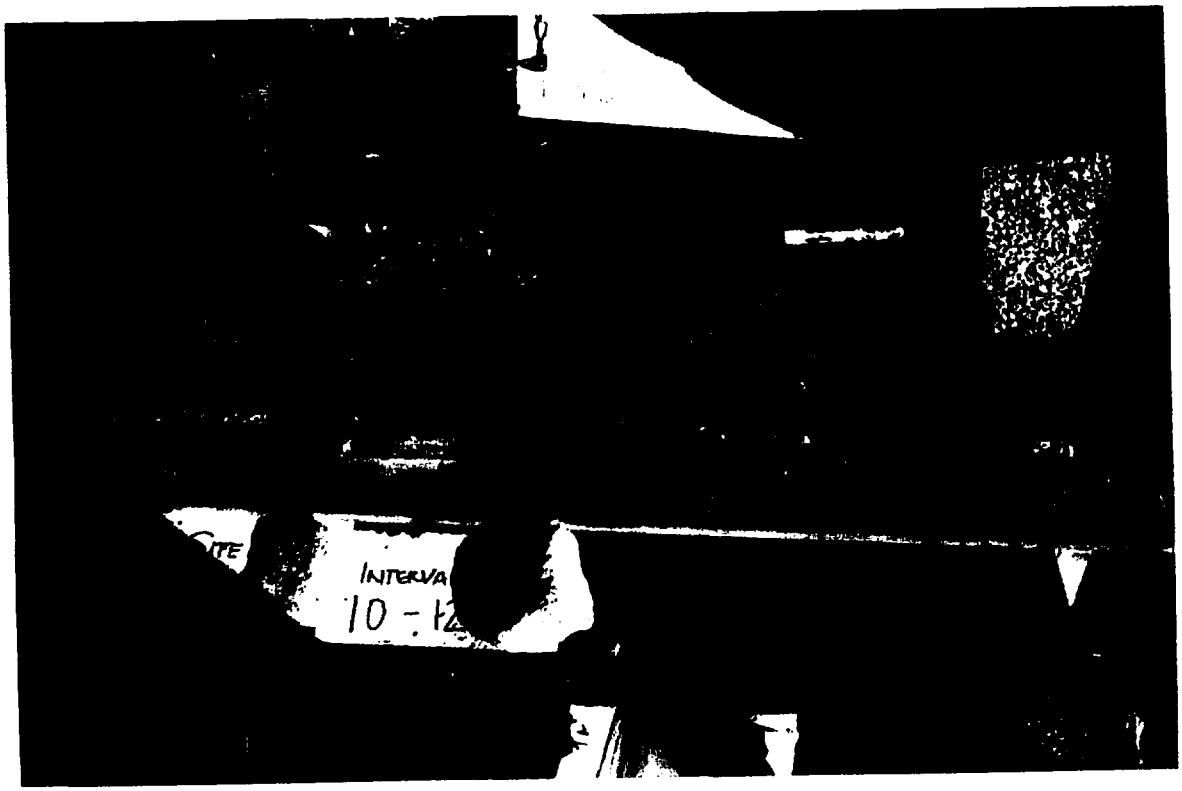
Site I waste borings, B1, 4-6 ft; Oct 1999



Site I waste borings, B1, 6-8 ft; Oct 1999



Site I waste borings, B1, 8-10 ft; Oct 1999



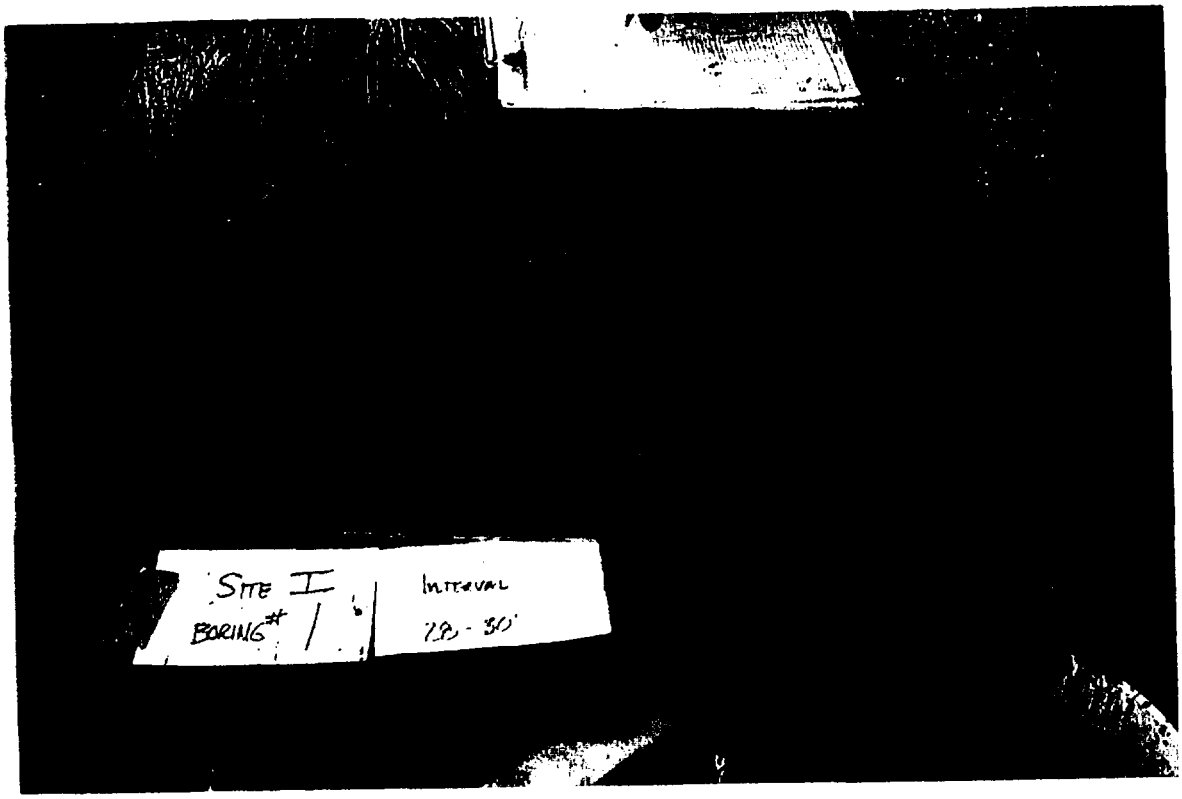
Site I waste borings, B1, 10-12 ft; Oct 1999

Site I waste borings, B1, 14-16 ft; Oct 1999

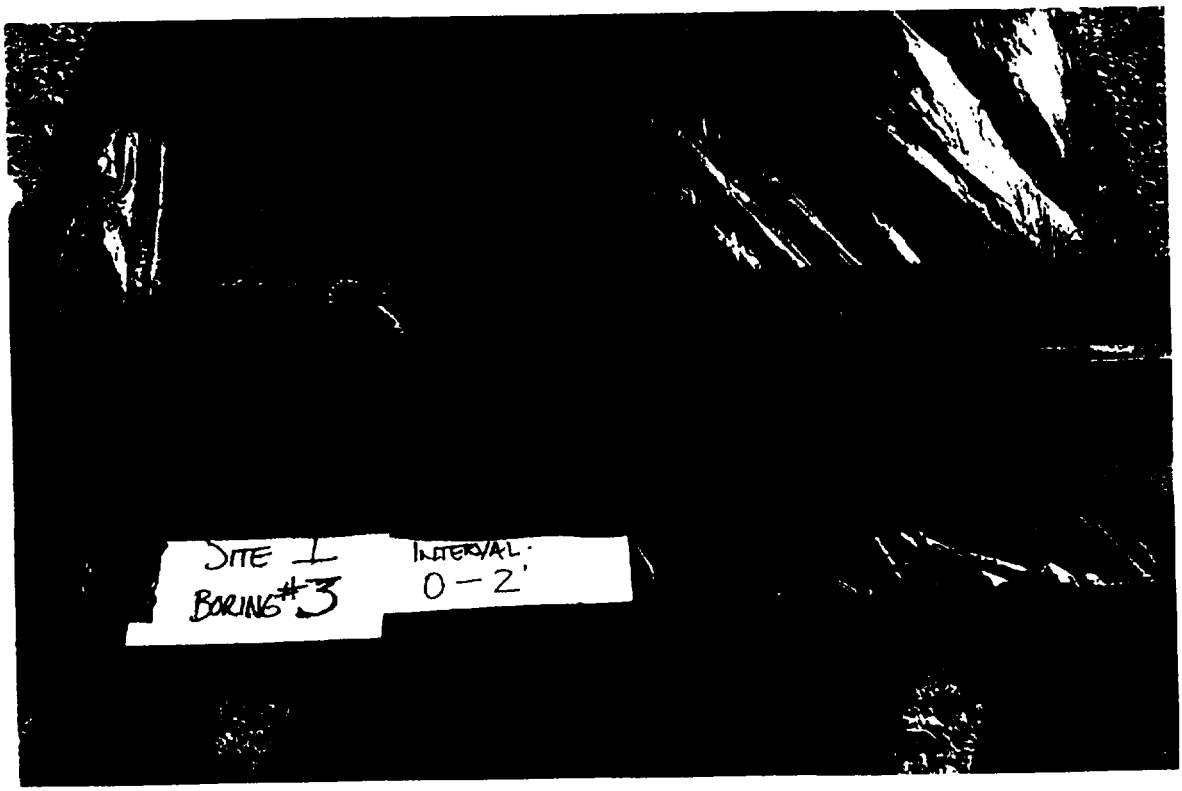
Site I waste borings, B1, 20-22 ft; Oct 1999

Site I waste borings, B1, 24-26 ft; Oct 1999

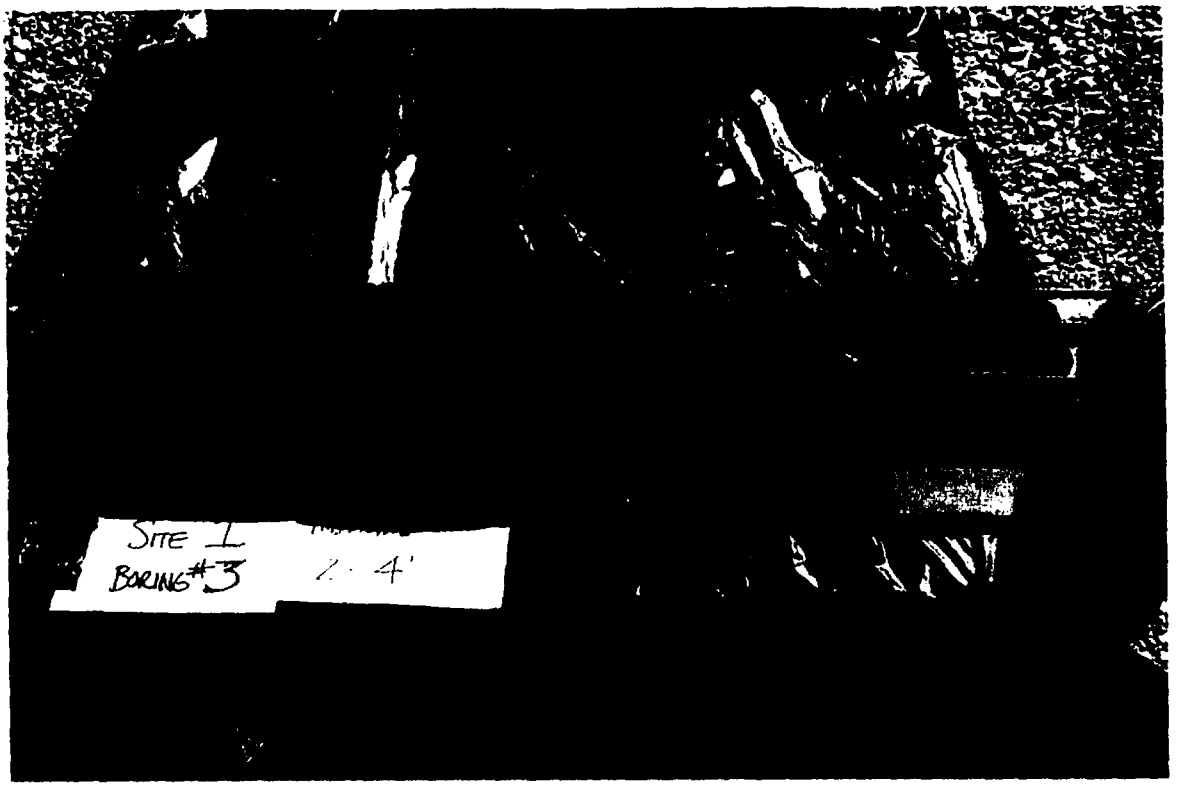
Site I waste borings, B1, 26-28 ft; Oct 1999



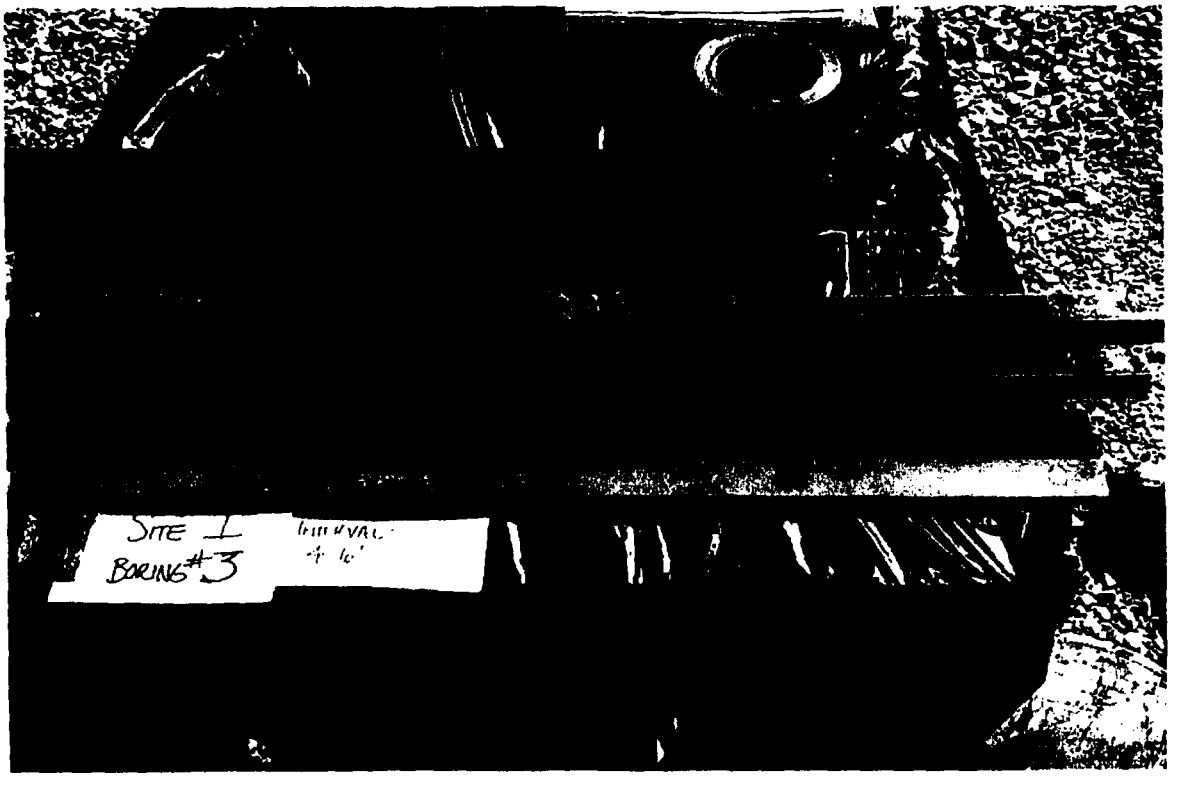
Site I waste borings, B1, 28-30 ft; Oct 1999



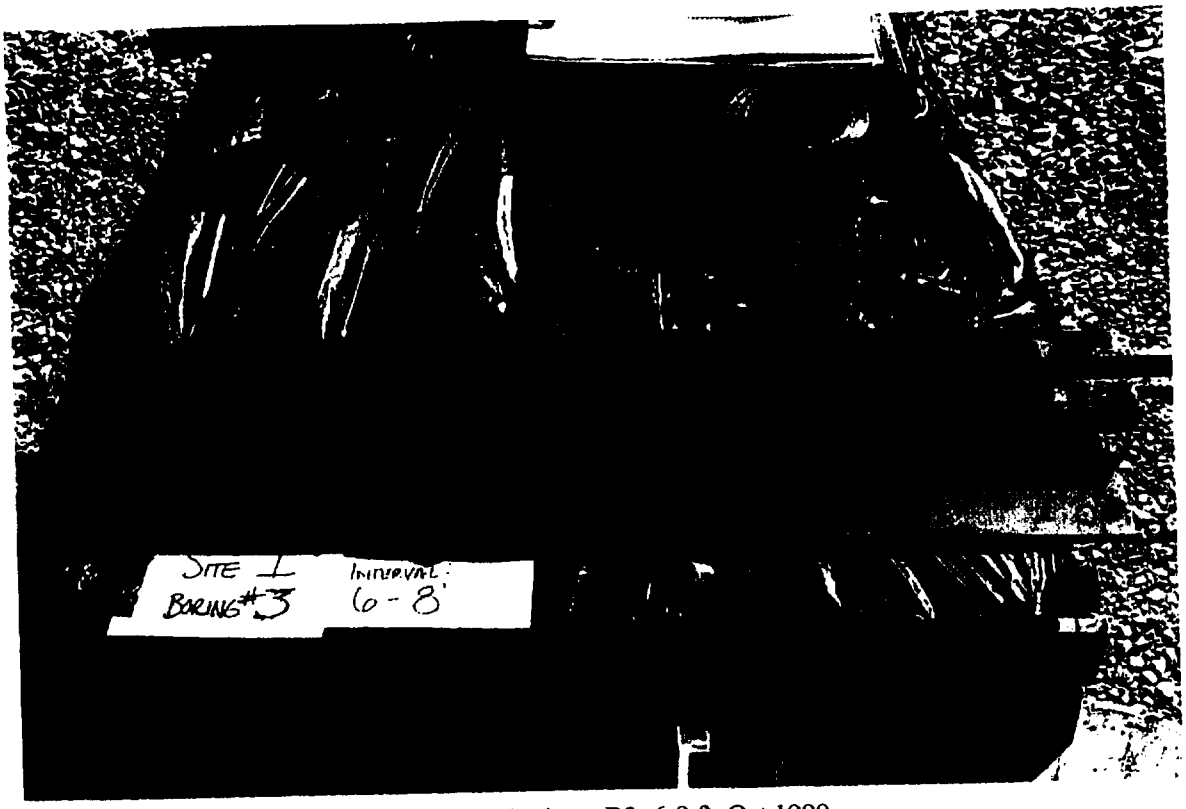
Site I waste borings, B3, 0-2 ft; Oct 1999



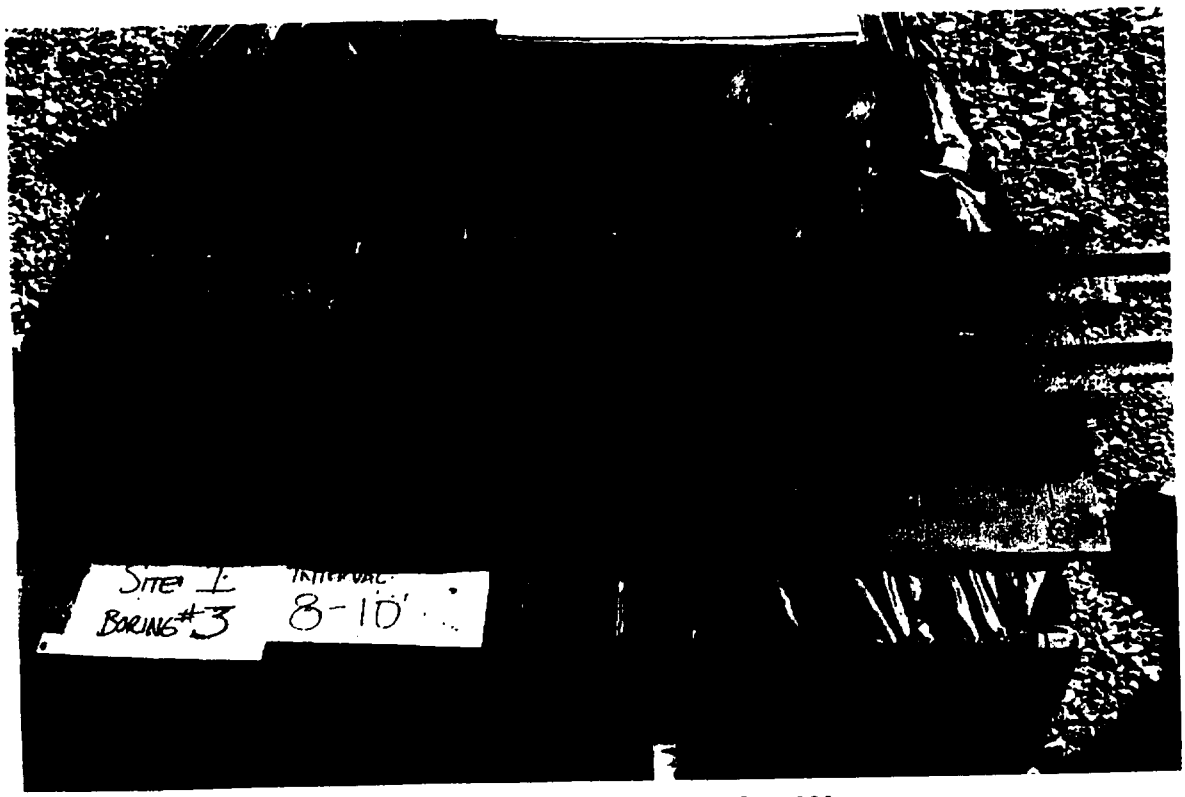
Site I waste borings, B3, 2-4 ft; Oct 1999



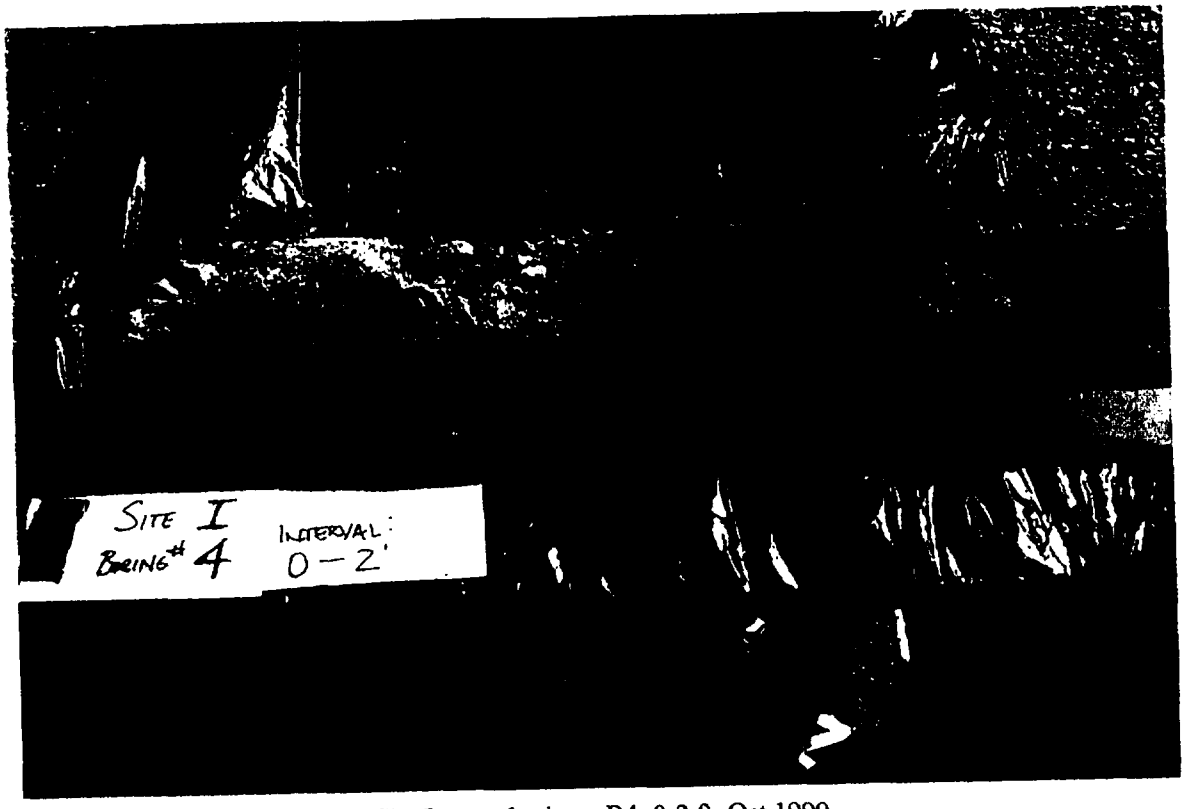
Site I waste borings, B3, 4-6 ft; Oct 1999



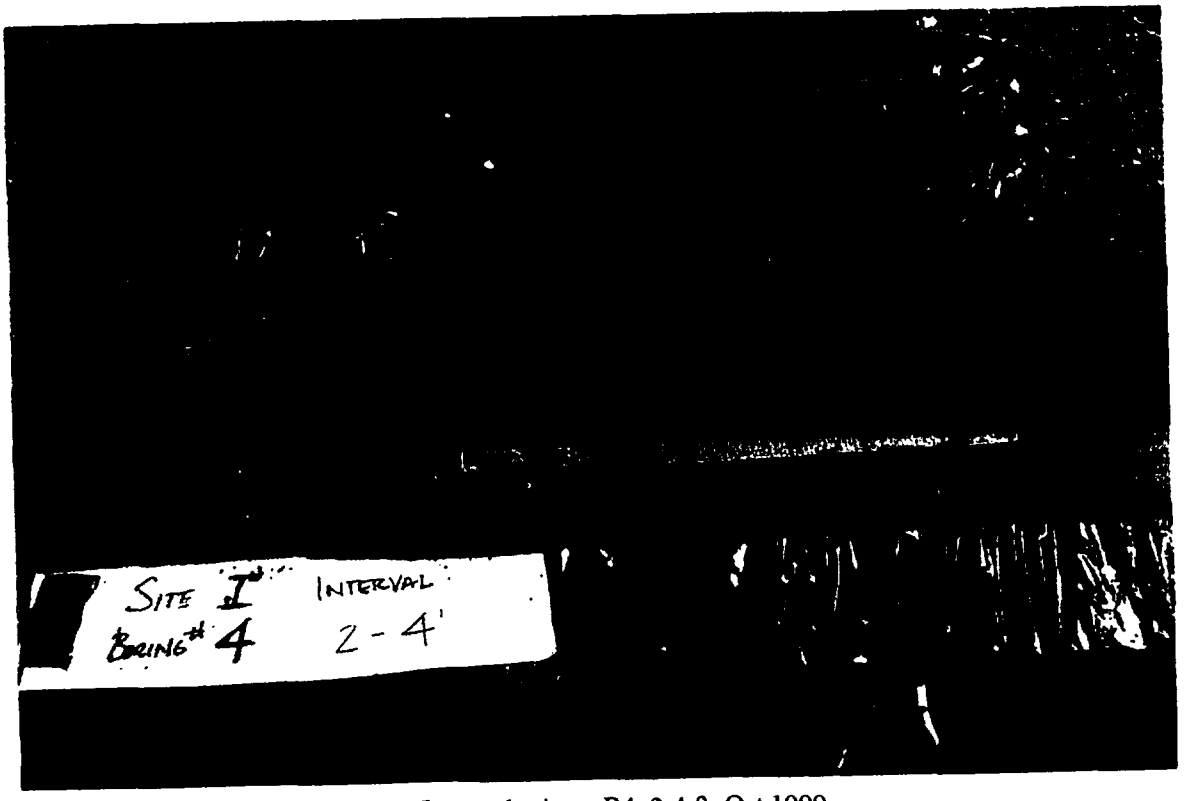
Site I waste borings, B3, 6-8 ft; Oct 1999



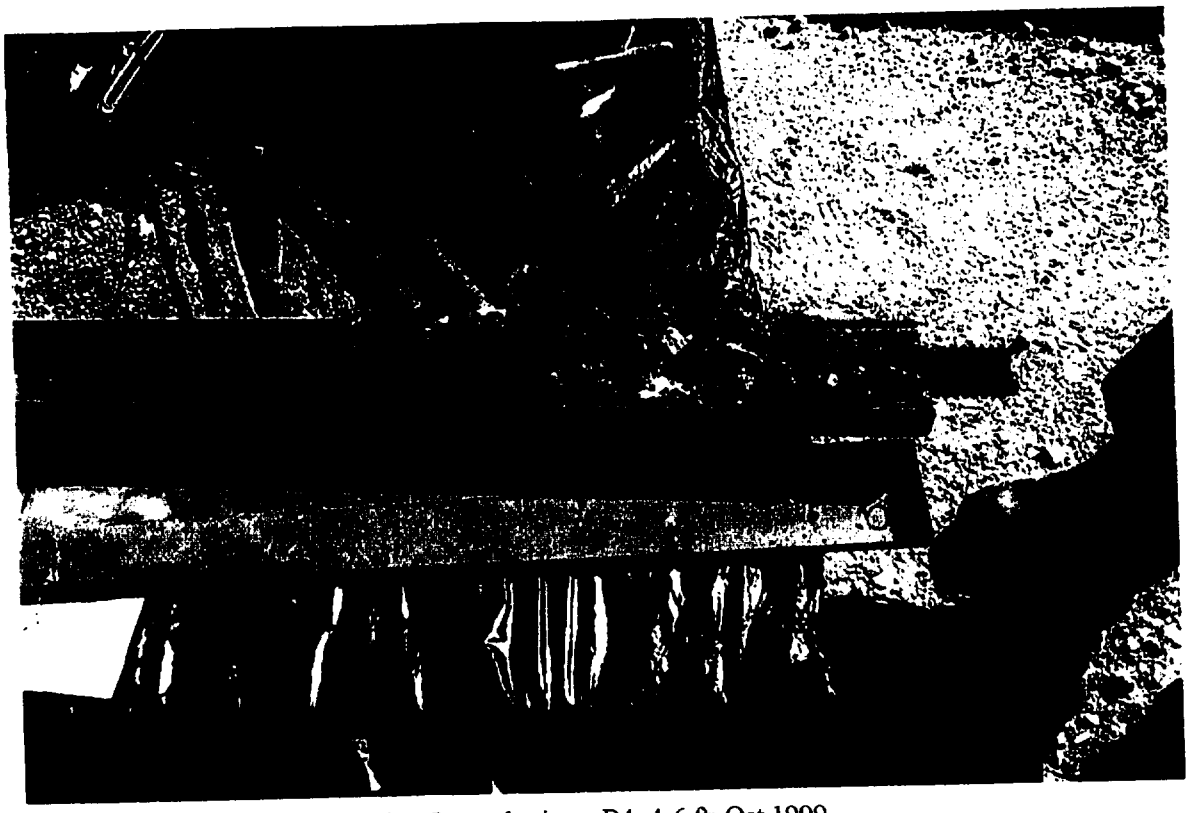
Site I waste borings, B3, 8-10 ft; Oct 1999



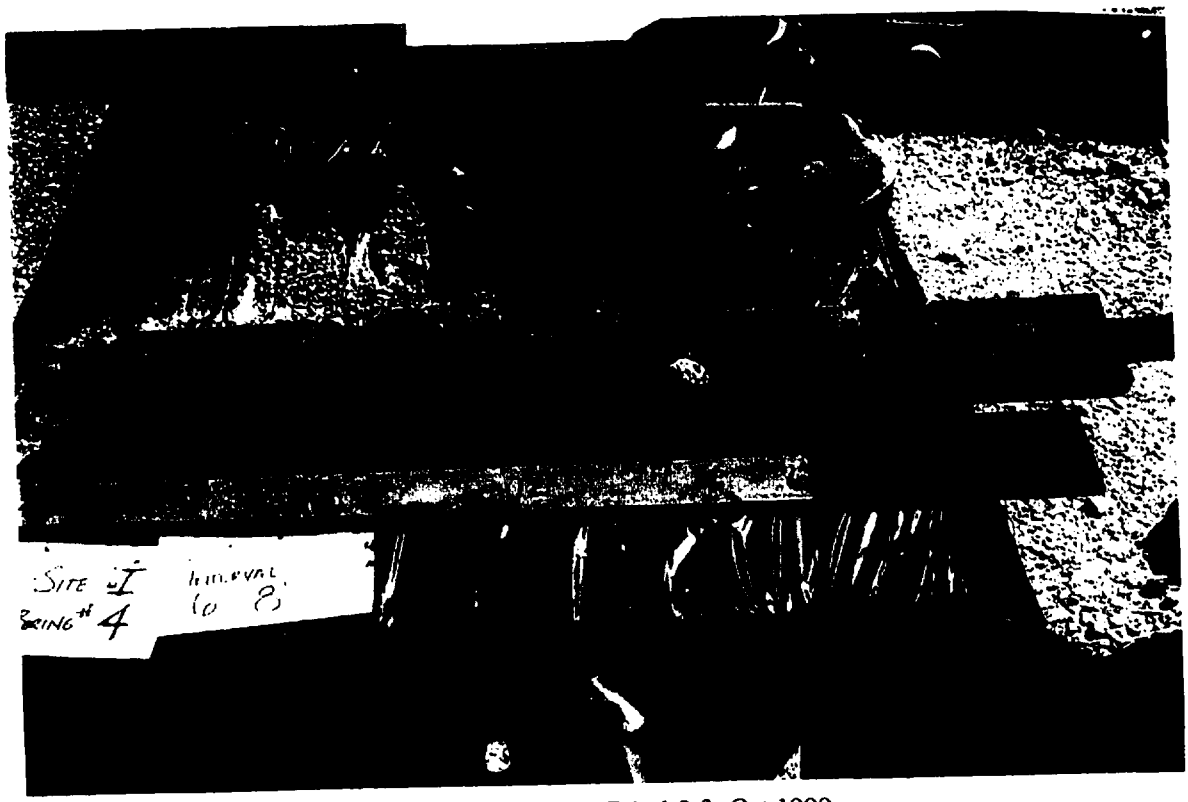
Site I waste borings, B4, 0-2 ft; Oct 1999



Site I waste borings, B4, 2-4 ft; Oct 1999



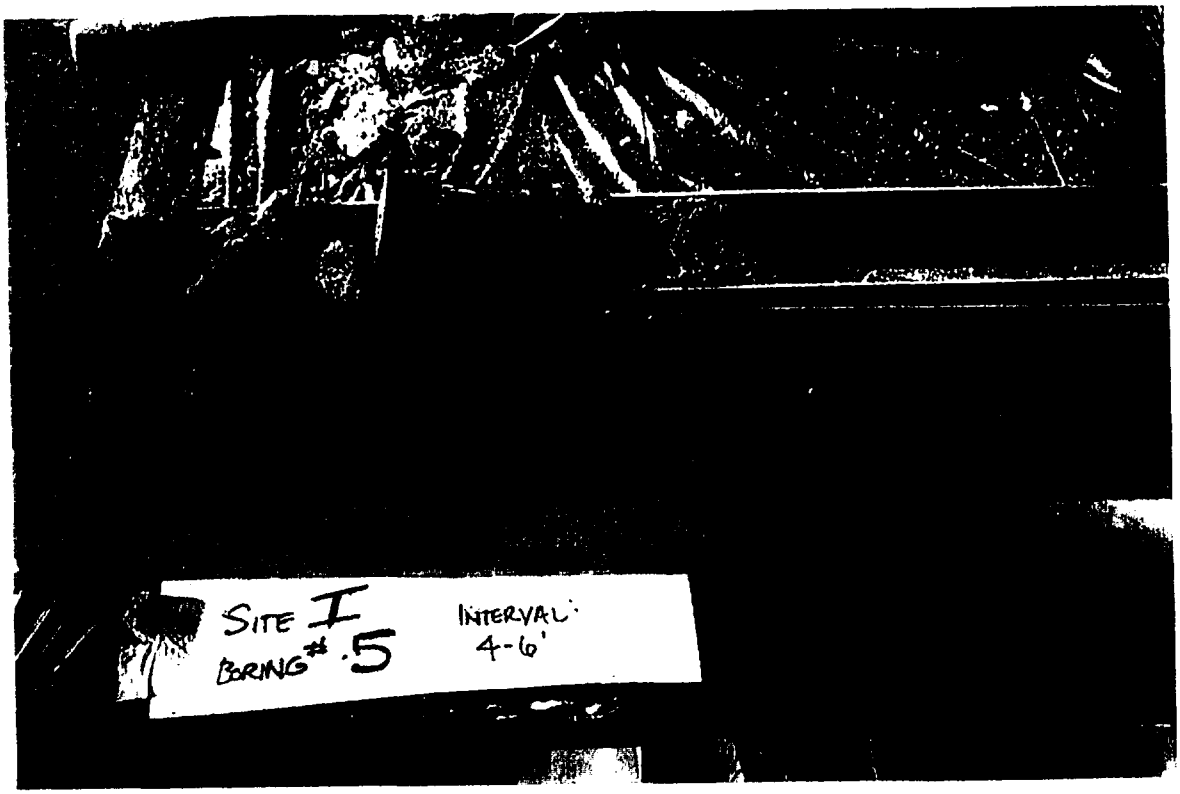
Site I wate borings, B4, 4-6 ft; Oct 1999



Site I waste borings, B4, 6-8 ft; Oct 1999

Site I waste borings, B4, 8-10 ft; Oct 1999

Site I waste borings, B5, 0-2 ft; Oct 1999



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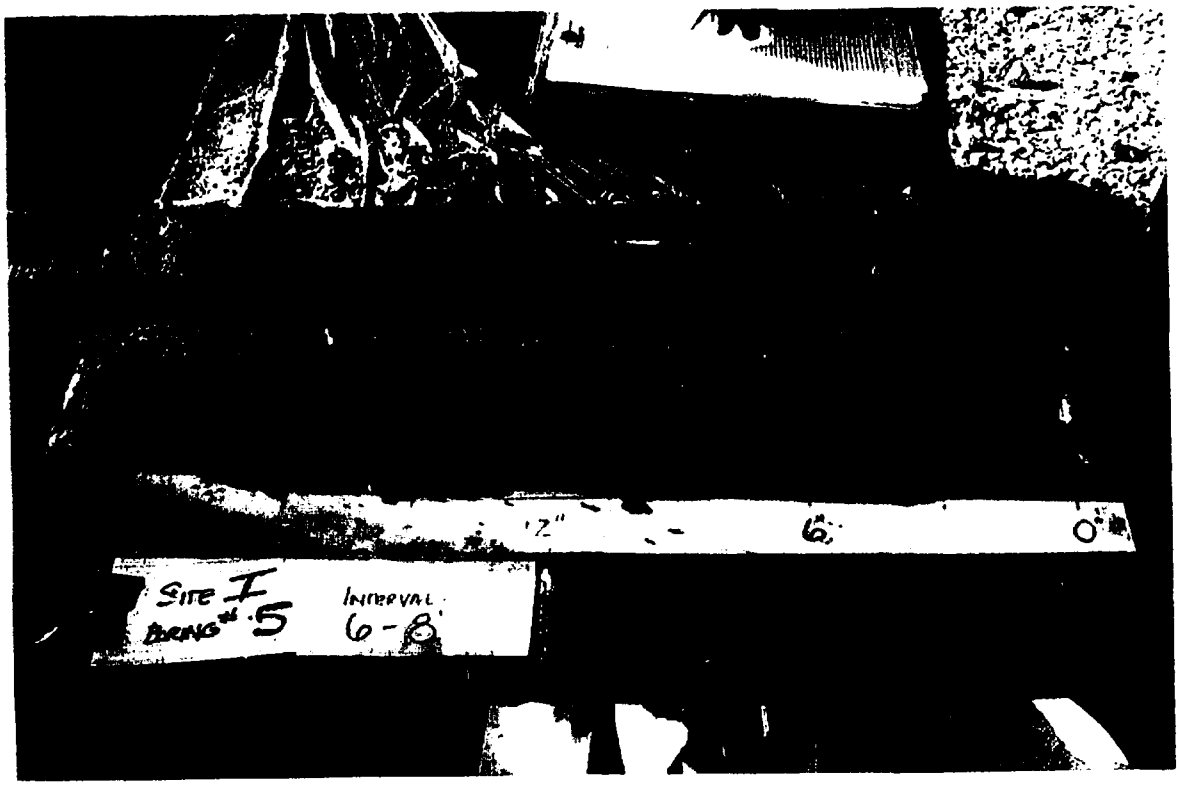

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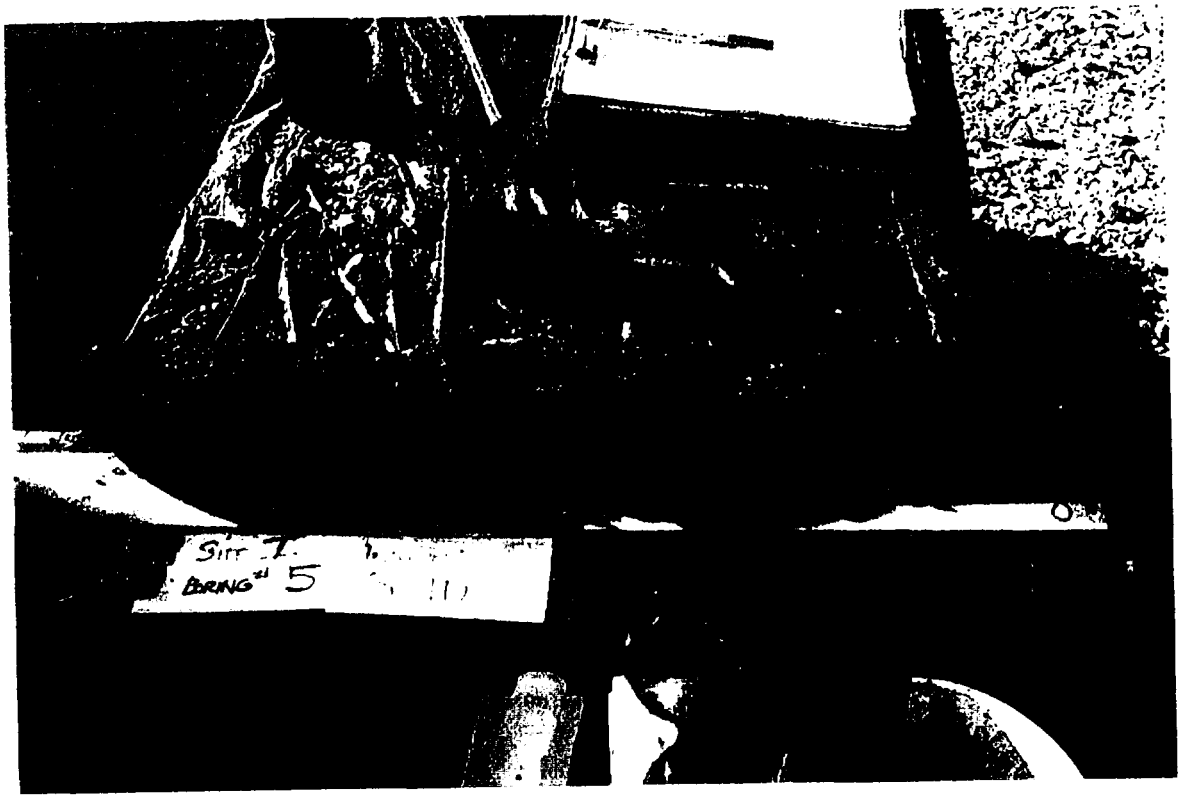
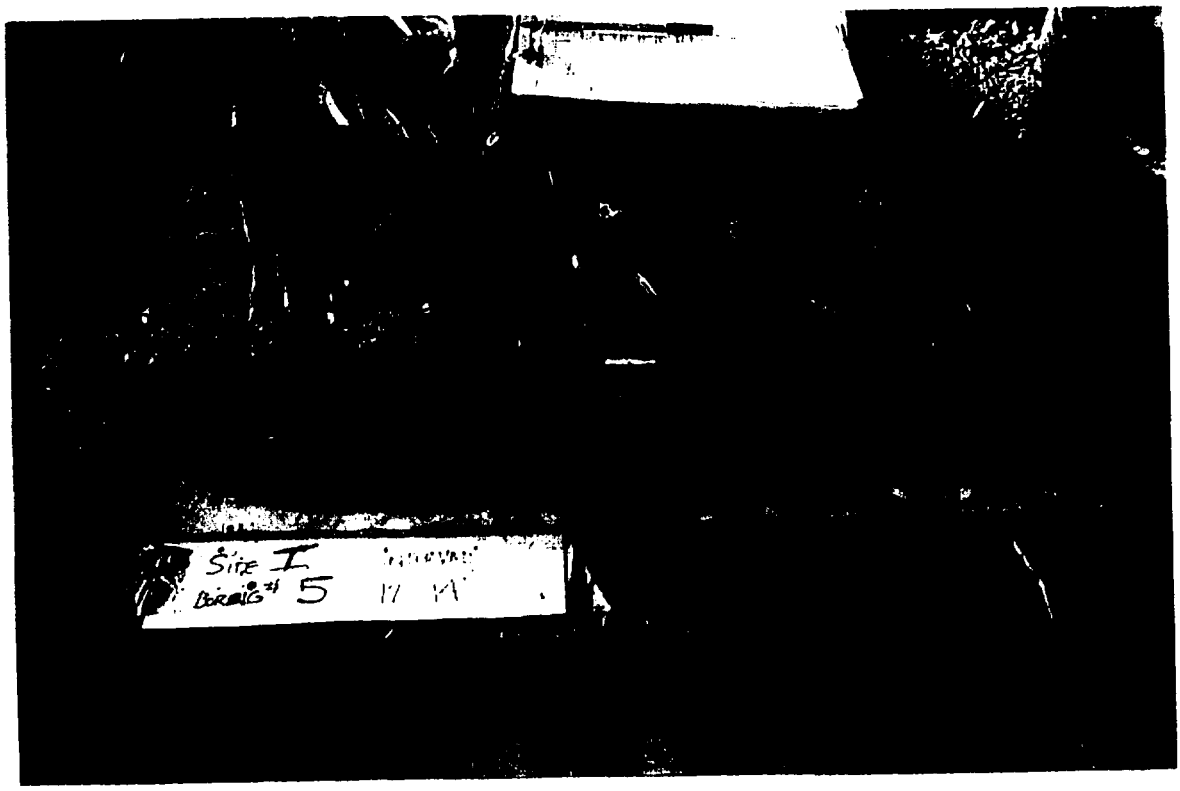
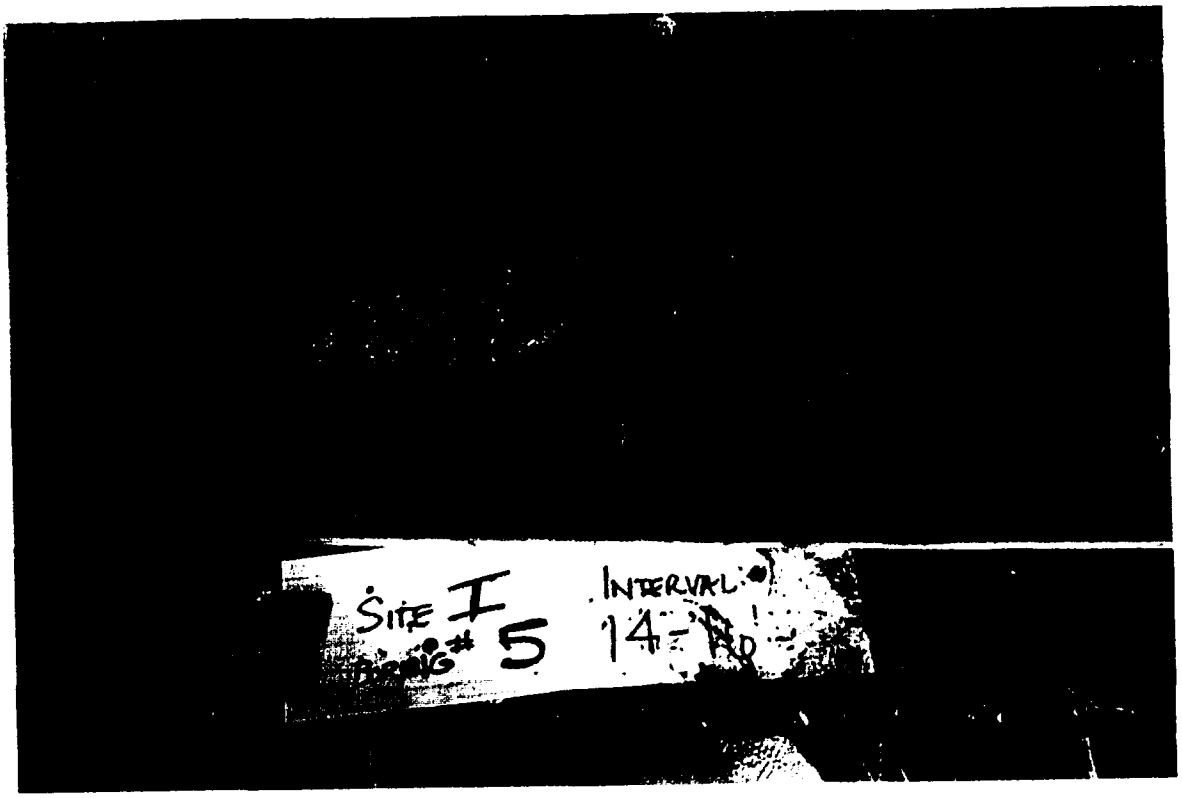


Site I waste borings, B5, 8-10 ft; Oct 1999

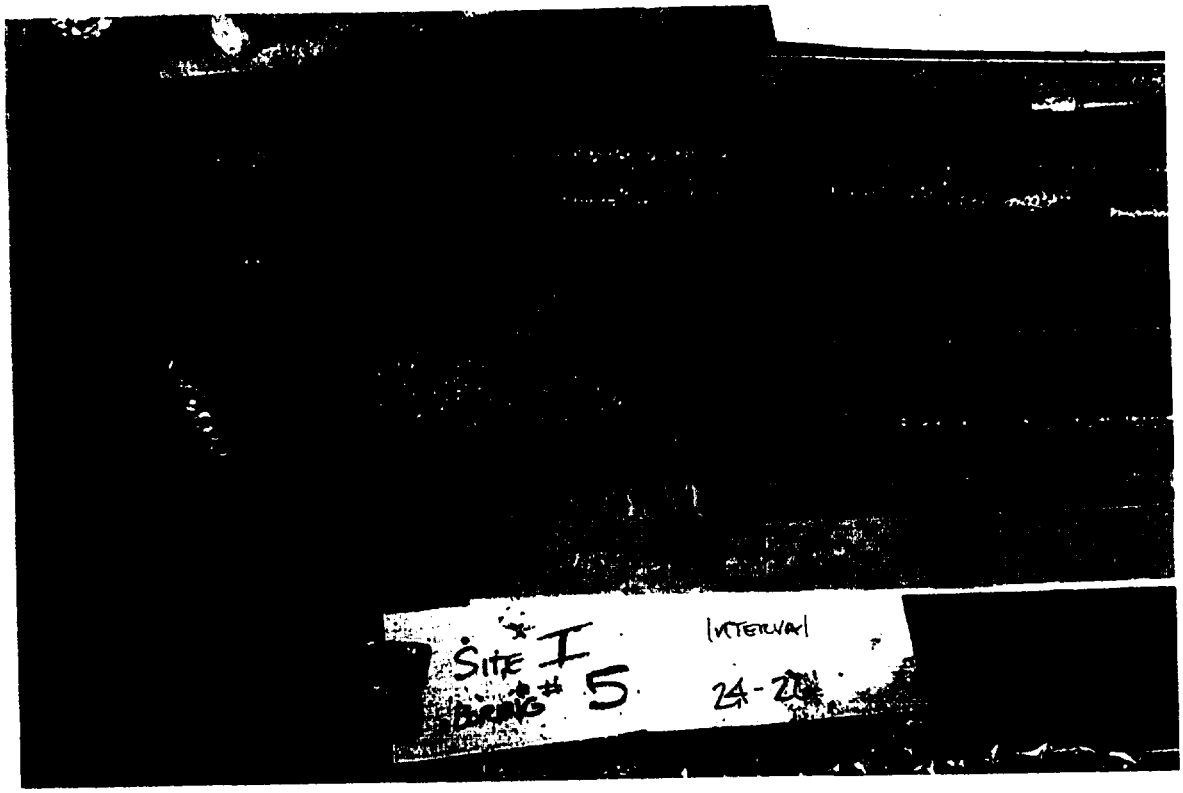


Site I waste borings, B5, 12-14 ft; Oct 1999

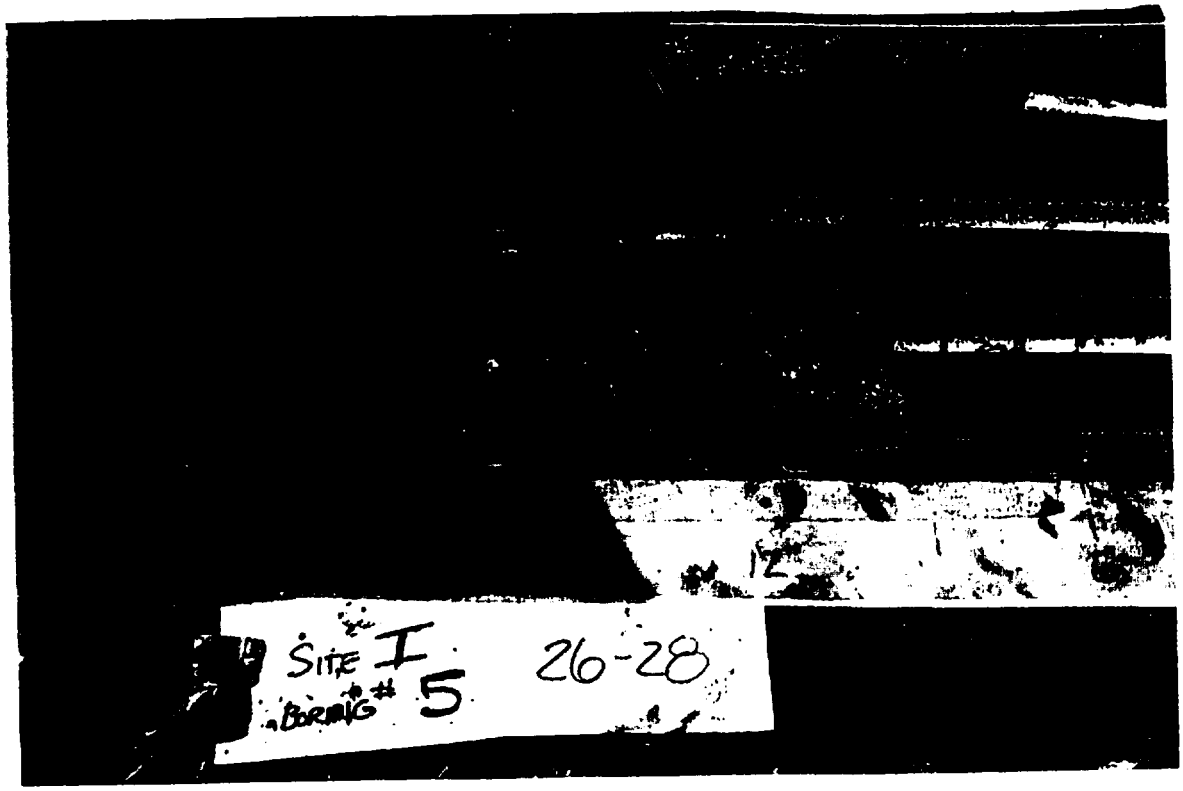


Site I waste borings, B5, 14-16 ft; Oct 1999

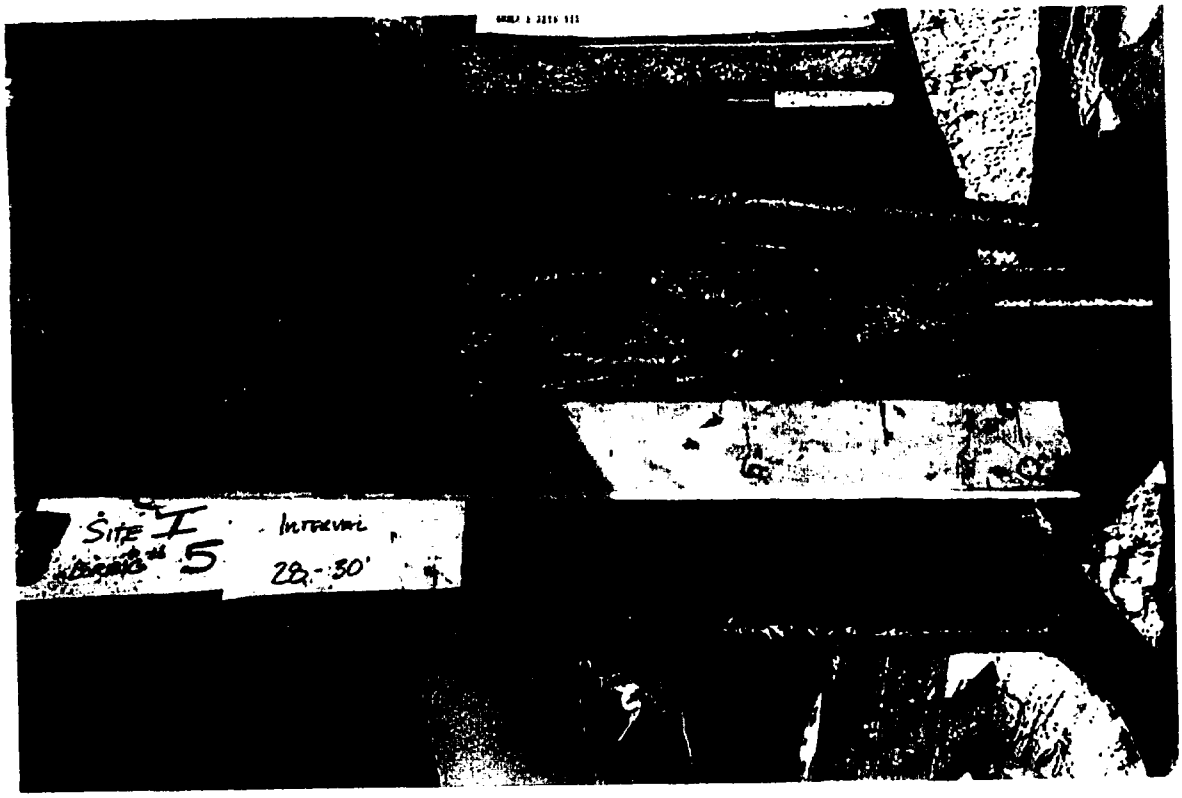
Site I waste borings, B5, 20-22 ft; Oct 1999



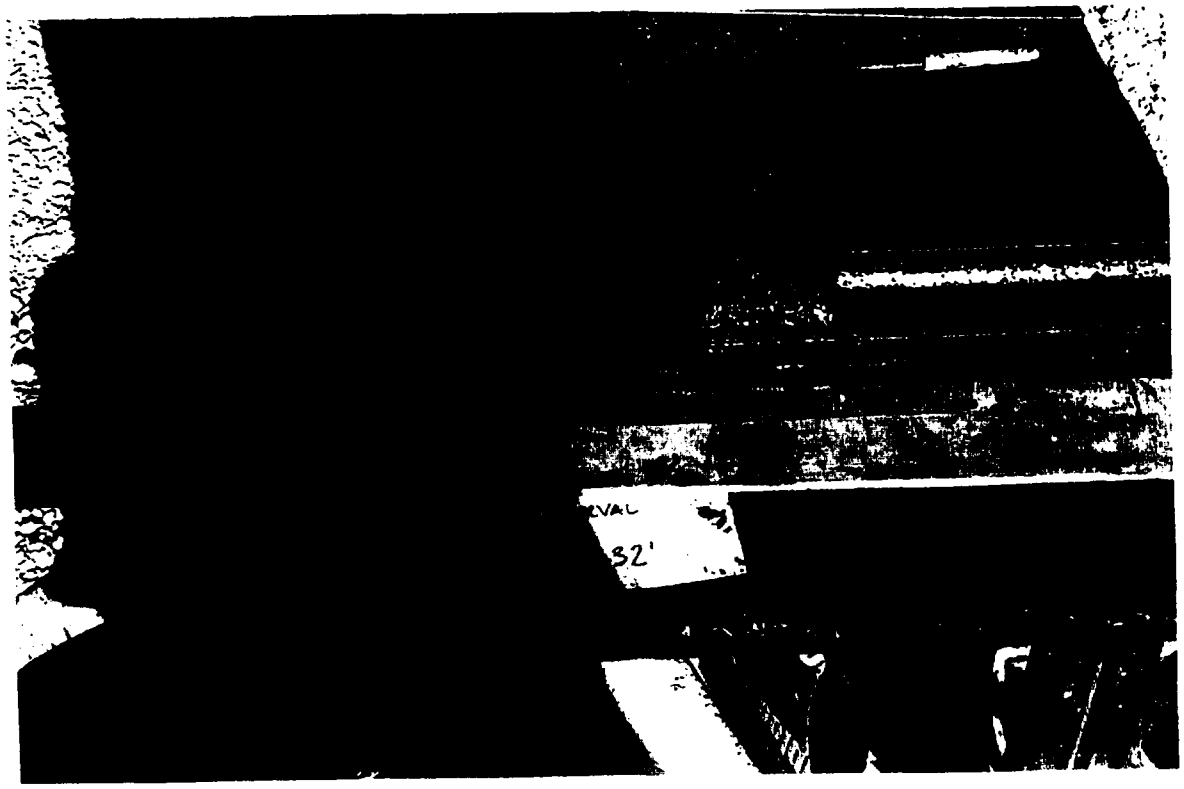
Site I waste borings, B5, 24-26 ft; Oct 1999



Site I waste borings, B5, 26-28 ft; Oct 1999

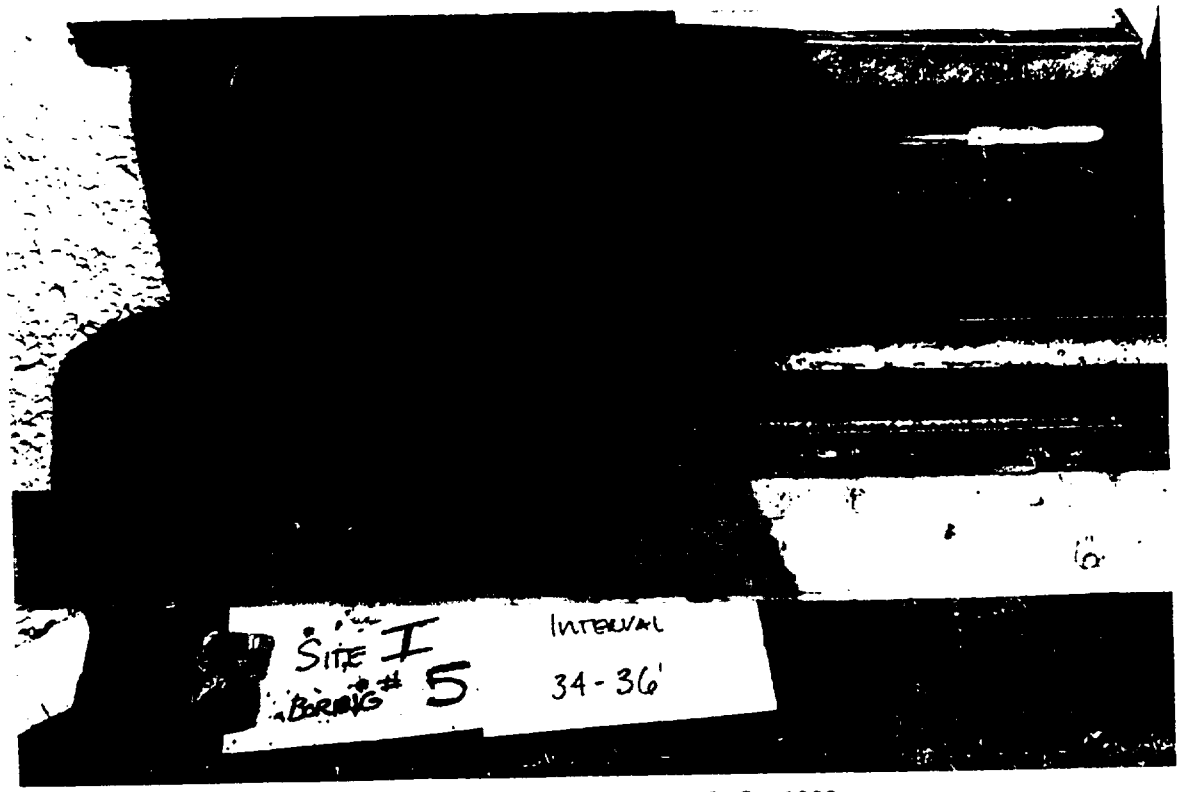


Site I waste borings, B5, 28-30 ft; Oct 1999



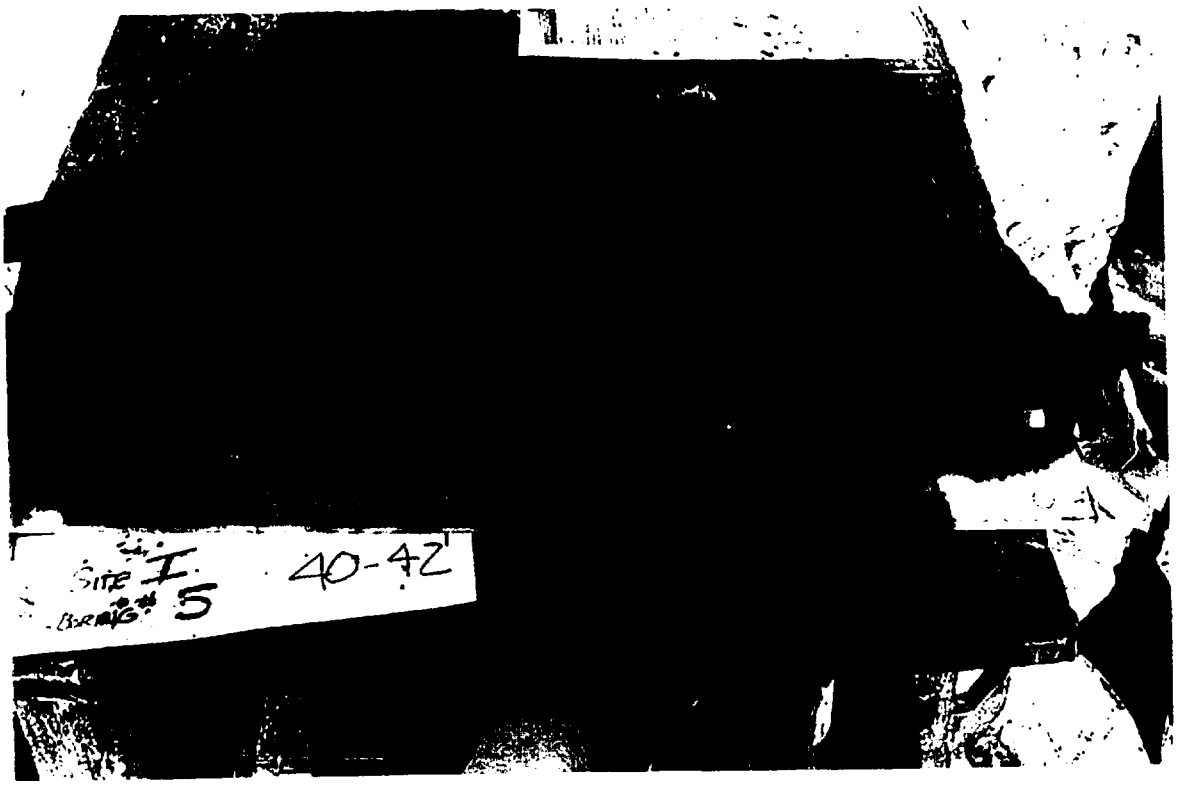
Site I waste borings, B5, 30-32 ft; Oct 1999

Site I waste borings, B5, 32-34 ft; Oct 1999

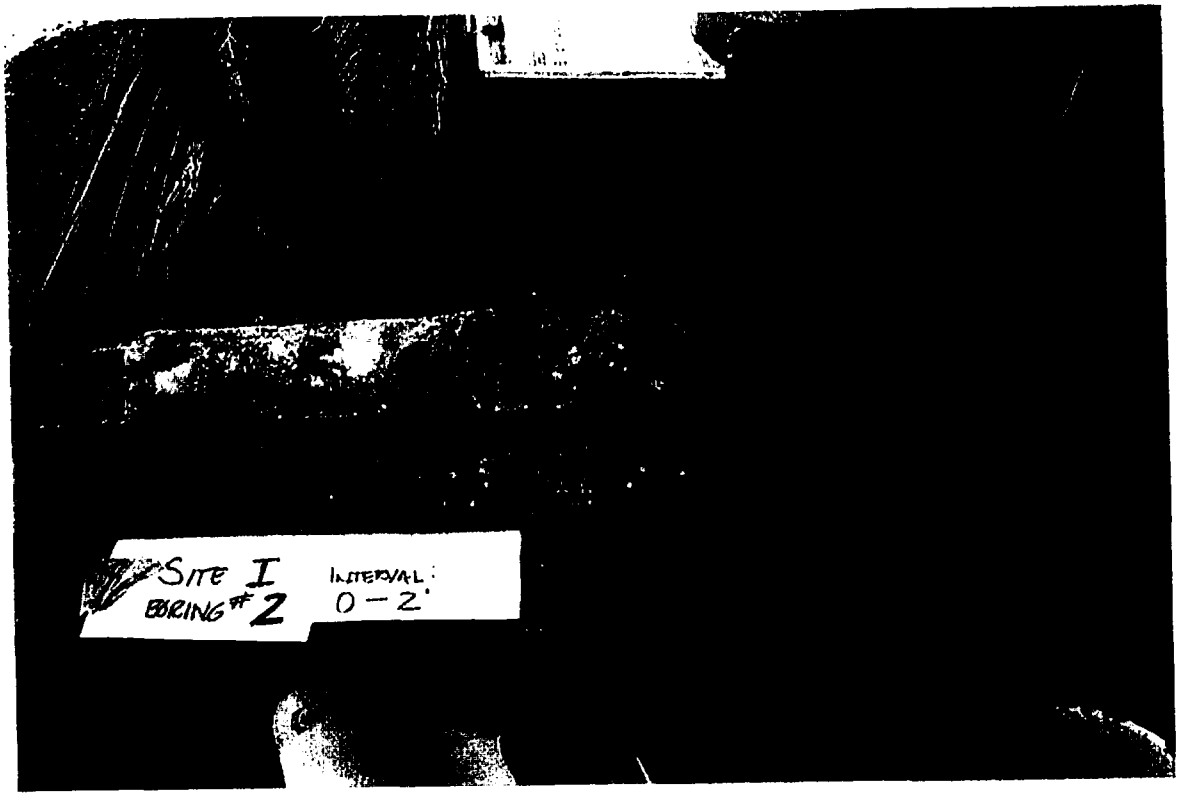


Site I waste borings, B5, 34-36 ft; Oct 1999

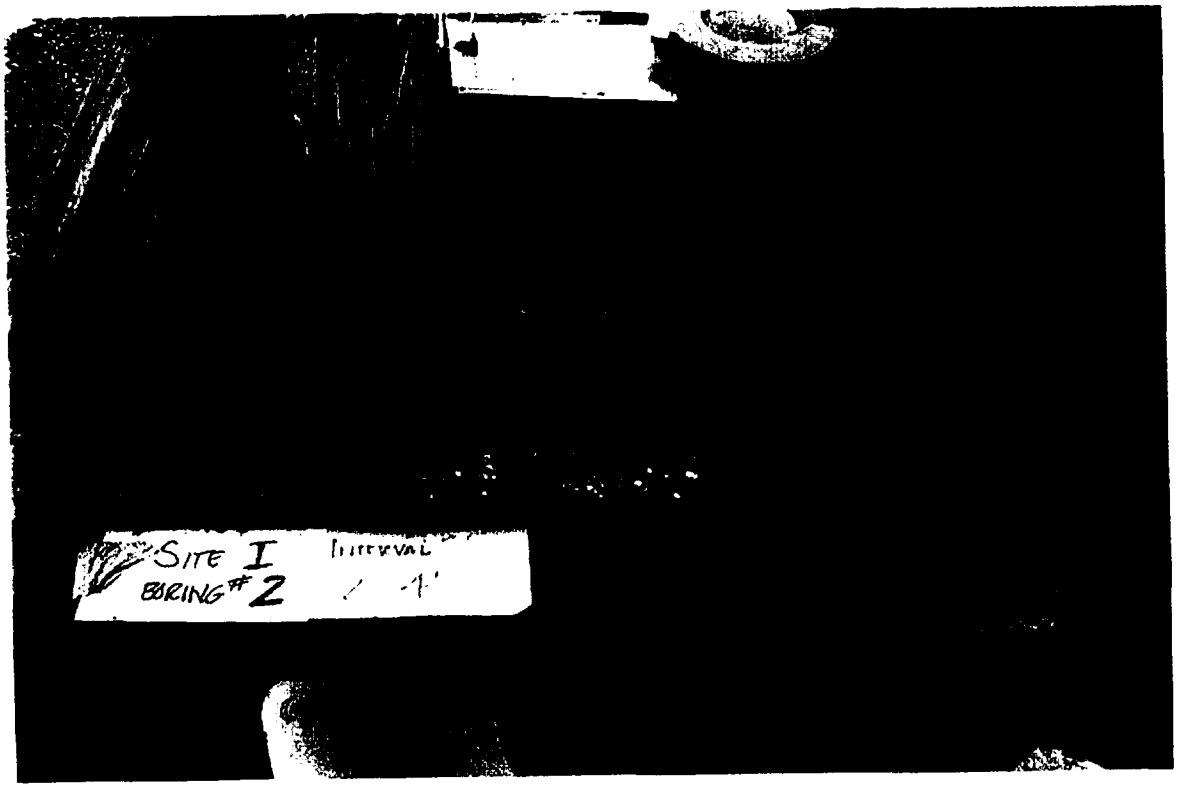
Site I waste borings, B5, 38-40 ft; Oct 1999



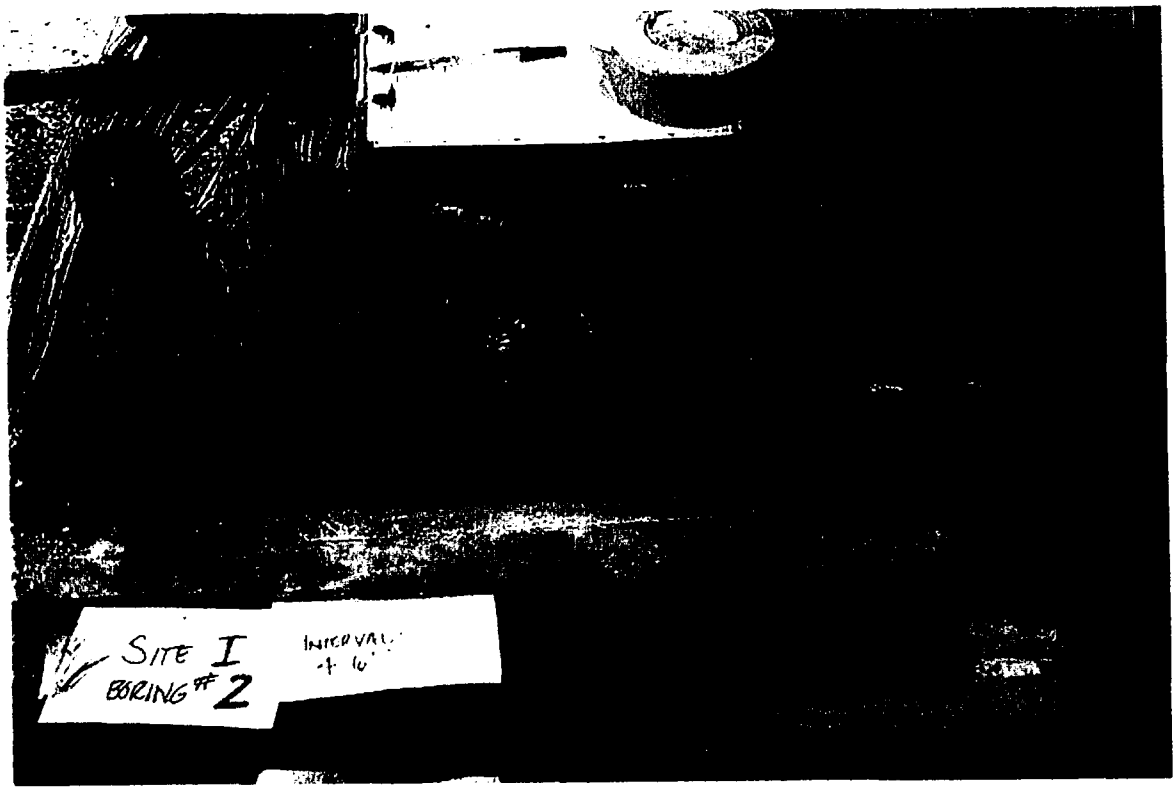
Site I waste borings, B5, 40-42 ft; Oct 1999



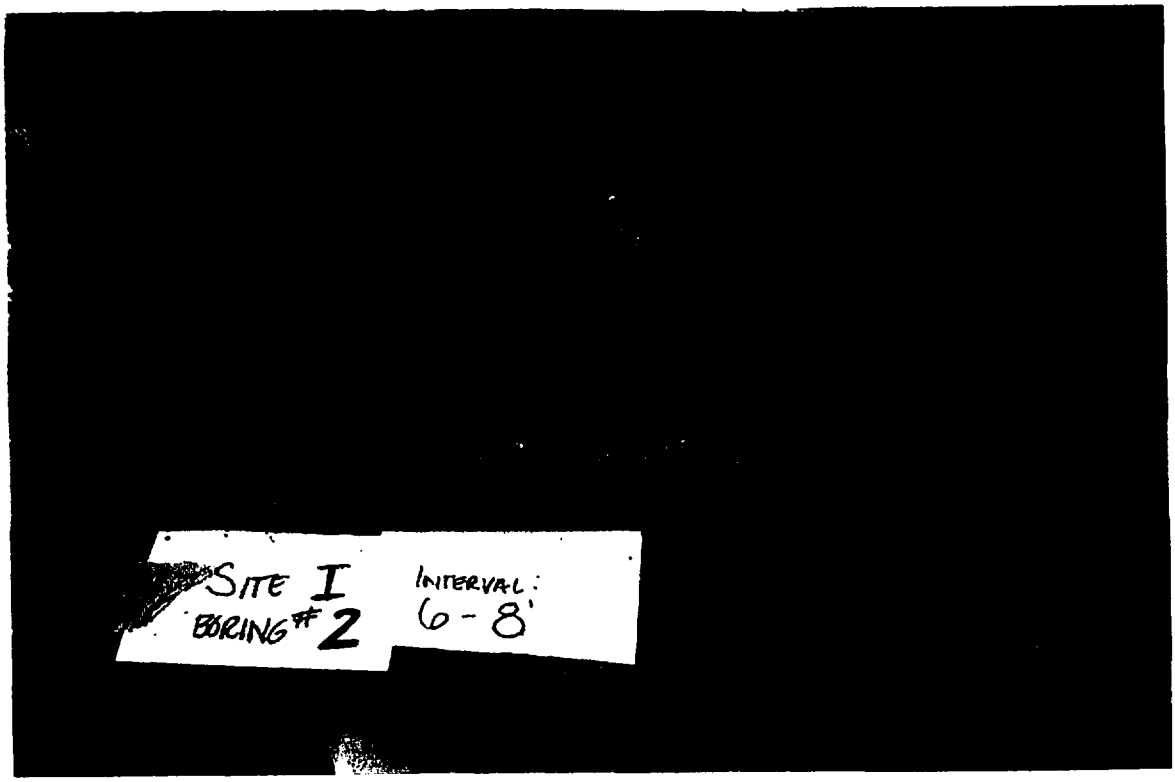
Site I waste borings, B2, 0-2 ft; Oct 1999



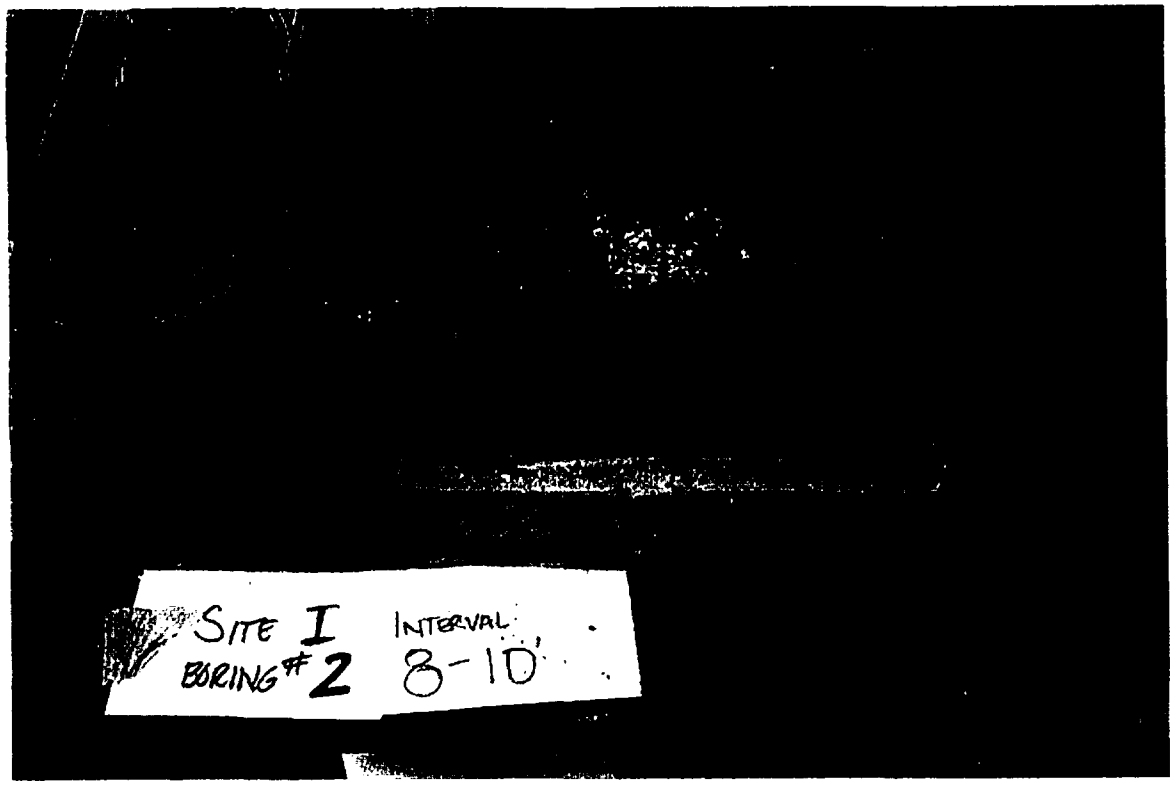
Site I waste borings, B2, 2-4 ft; Oct 1999



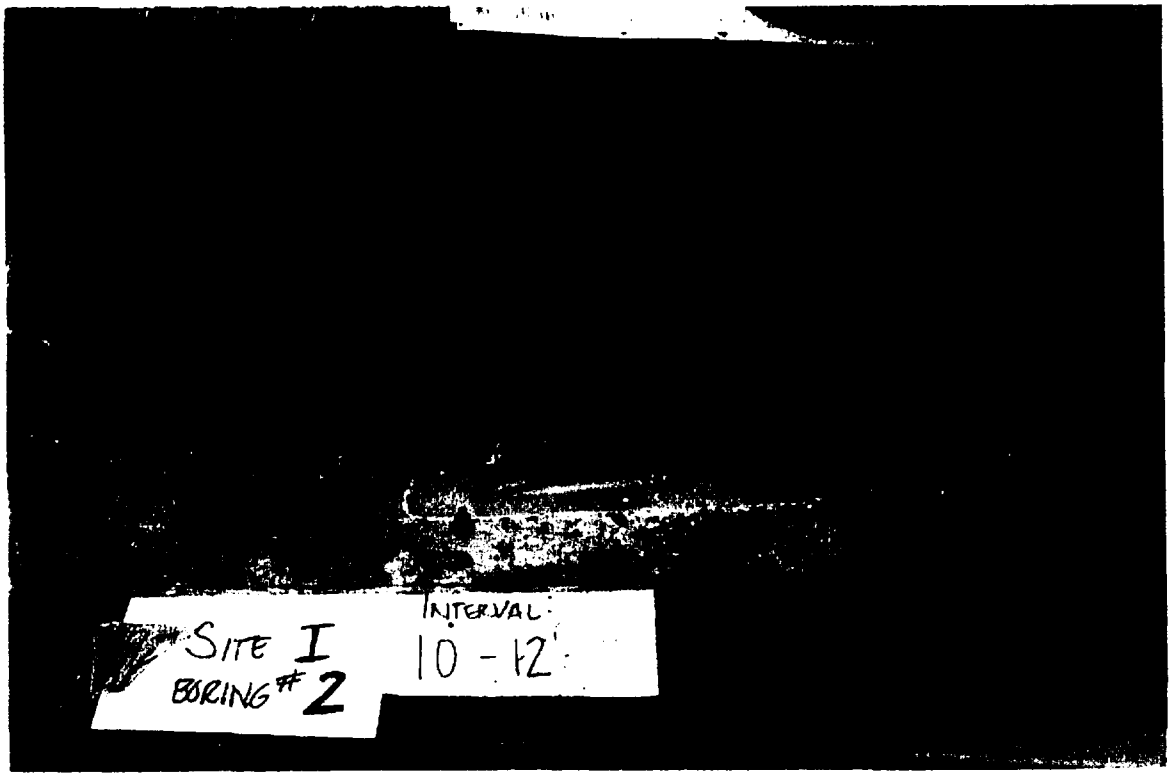
Site I waste borings, B2, 4-6 ft; Oct 1999



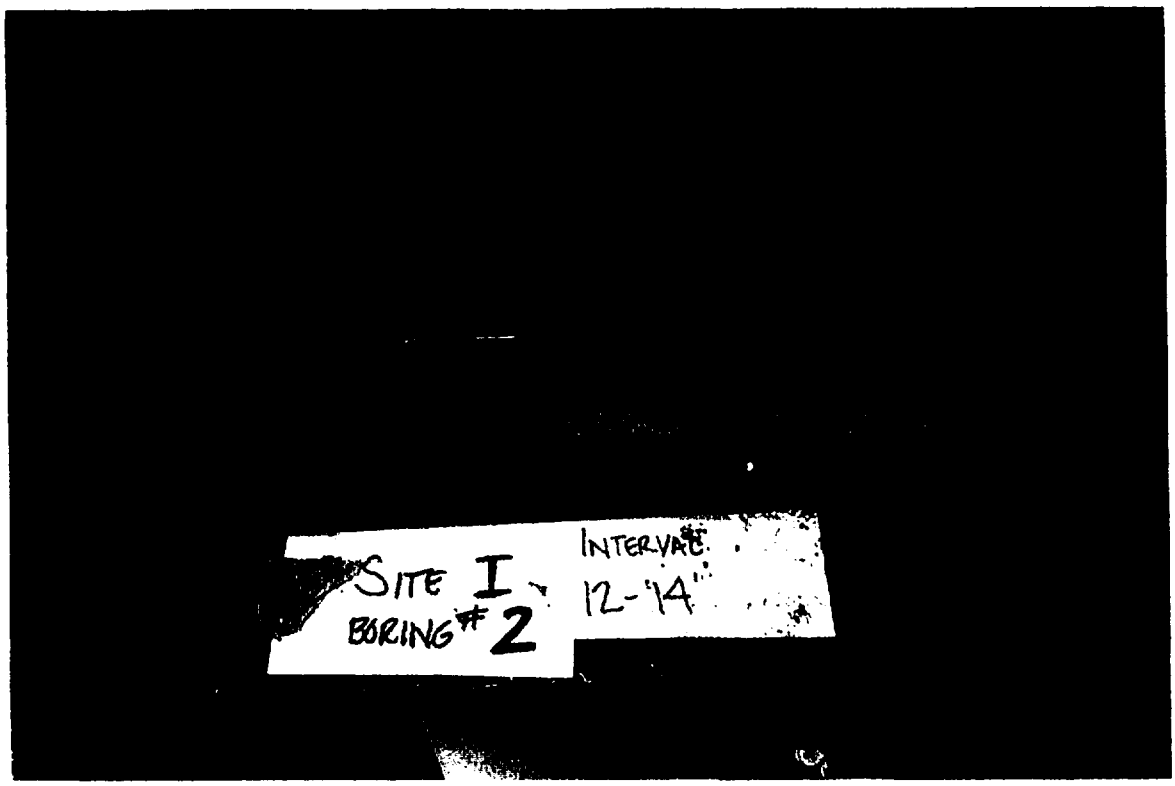
Site I waste borings, B2, 6-8 ft; Oct 1999



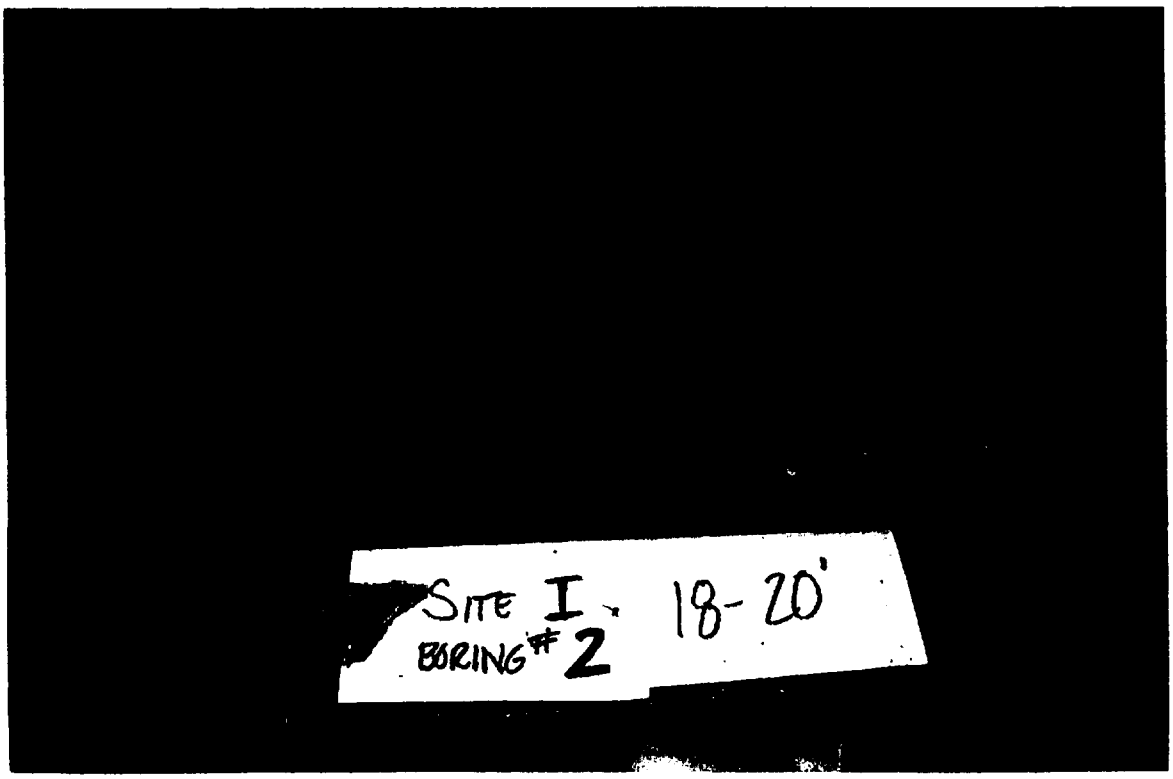
Site I waste borings, B2, 8-10 ft; Oct 1999



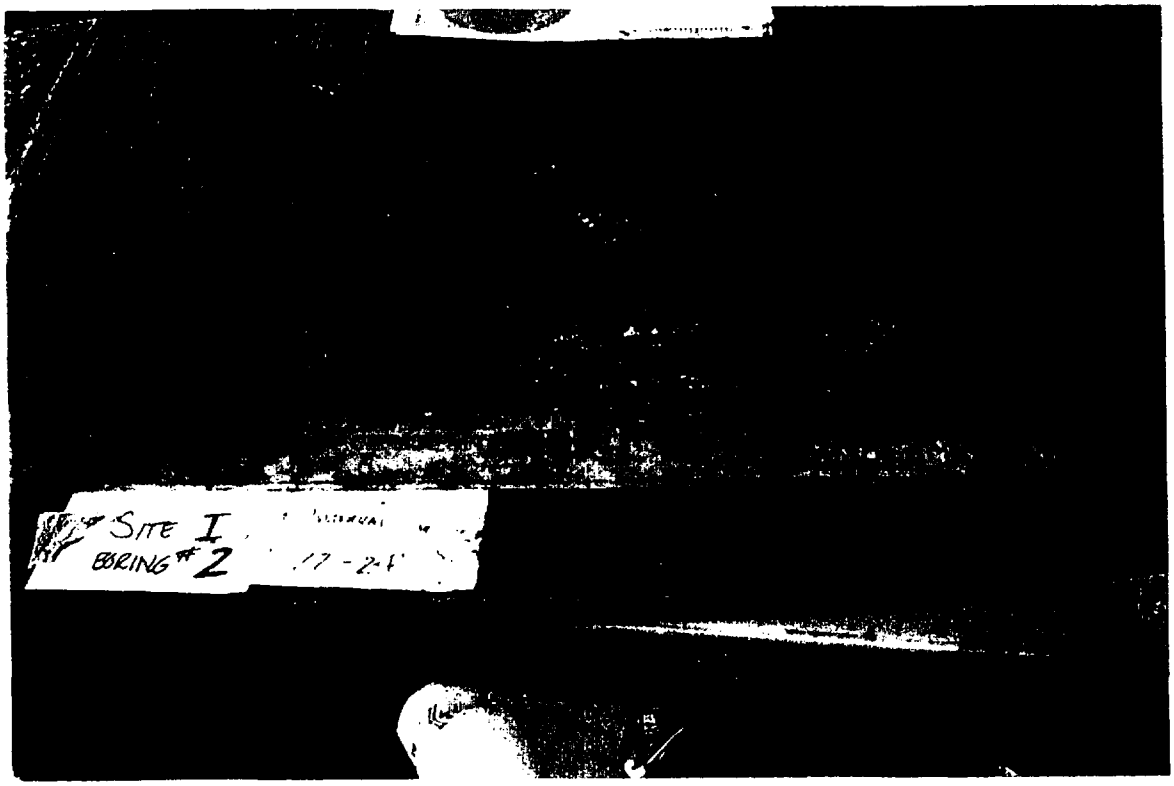
Site I waste borings, B2, 10-12 ft; Oct 1999



Site I waste borings, B2, 12-14 ft; Oct 1999

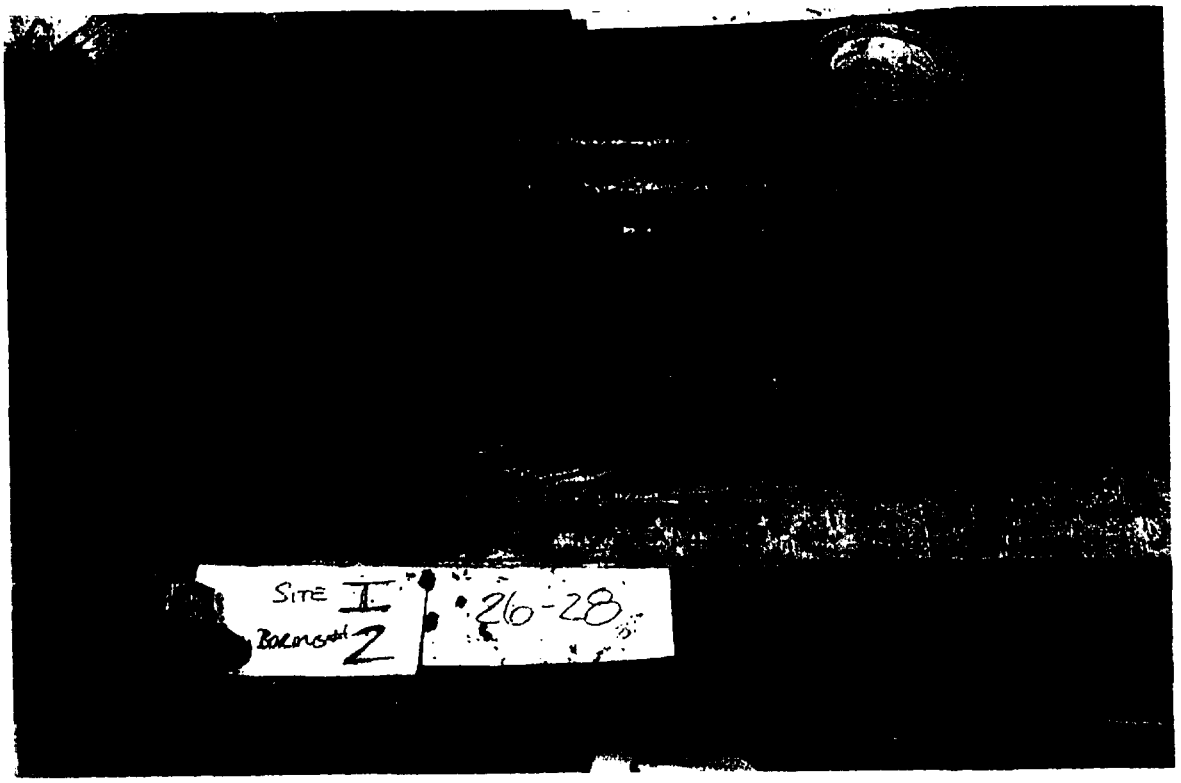


Site I waste borings, B2, 18-20 ft; Oct 1999

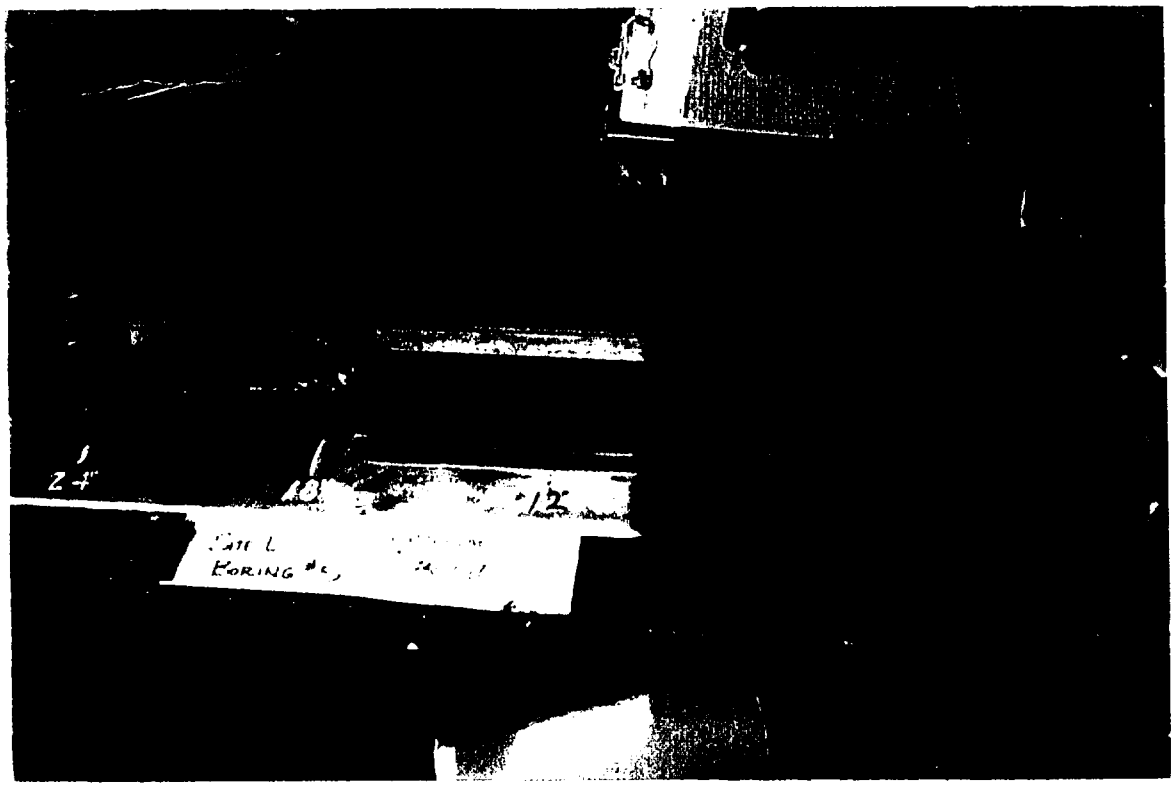


Site I waste borings, B2, 22-24 ft; Oct 1999

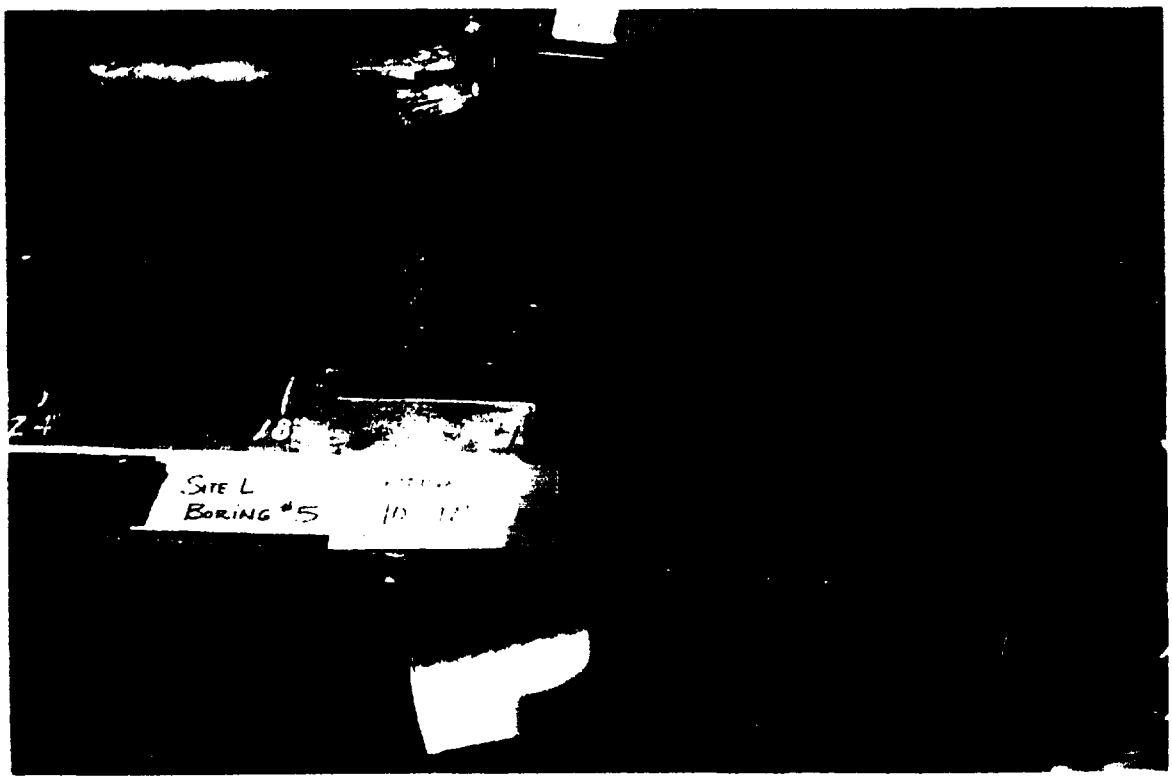
Site I waste borings, B2, 24-26 ft; Oct 1999



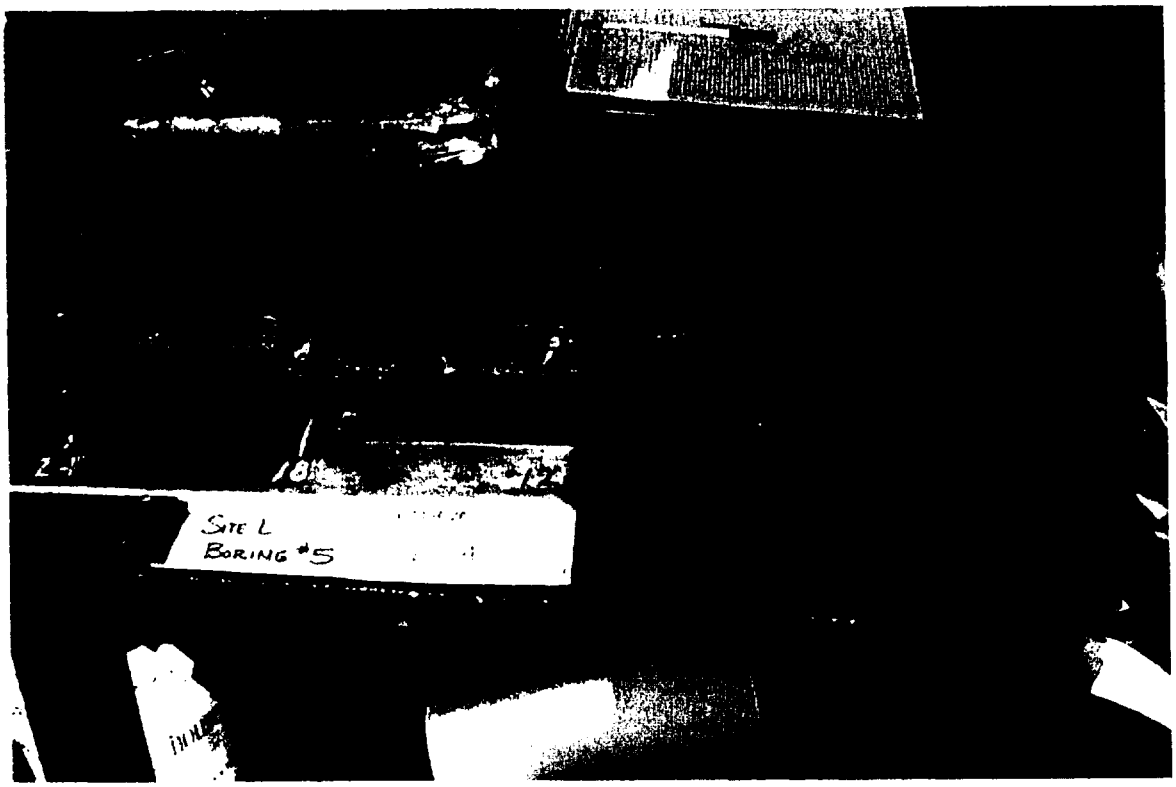
Site I, waste borings, B2, 26-28 ft; Oct 1999



Site L, waste borings, B5, 8-10 ft; Oct 1999

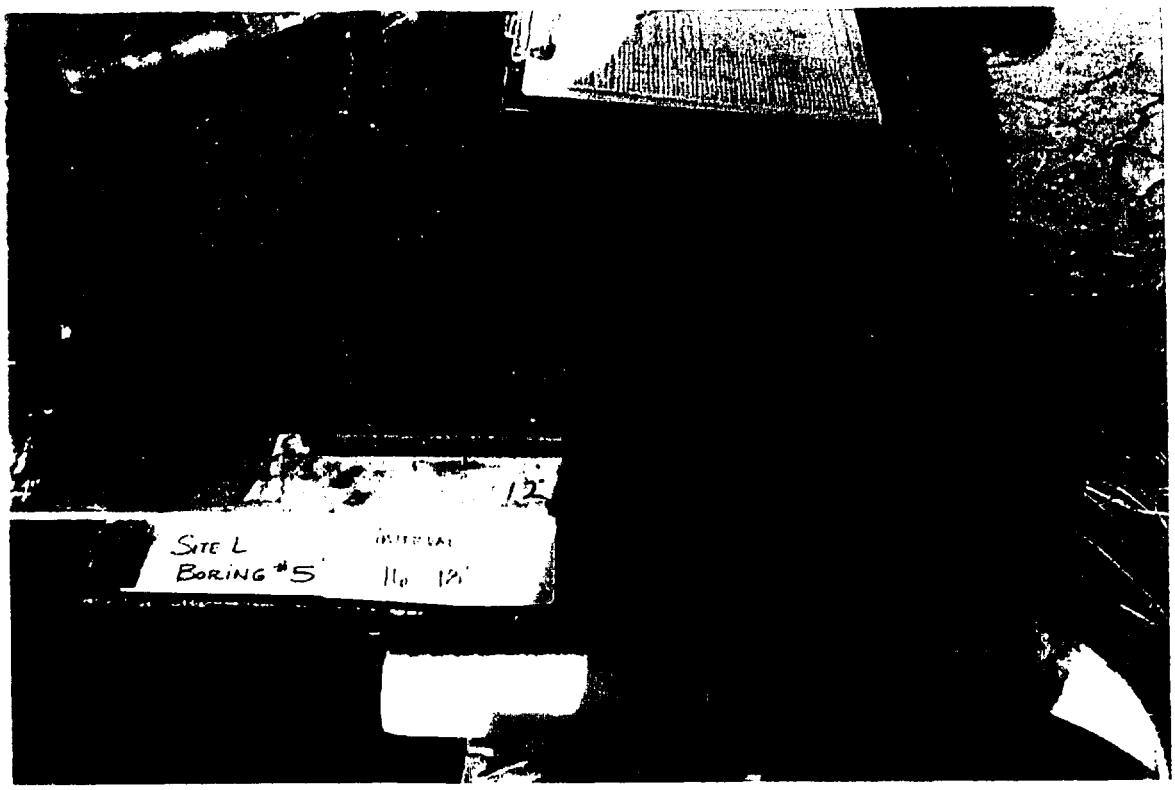


Site L, waste borings, B5, 10-12 ft; Oct 1999

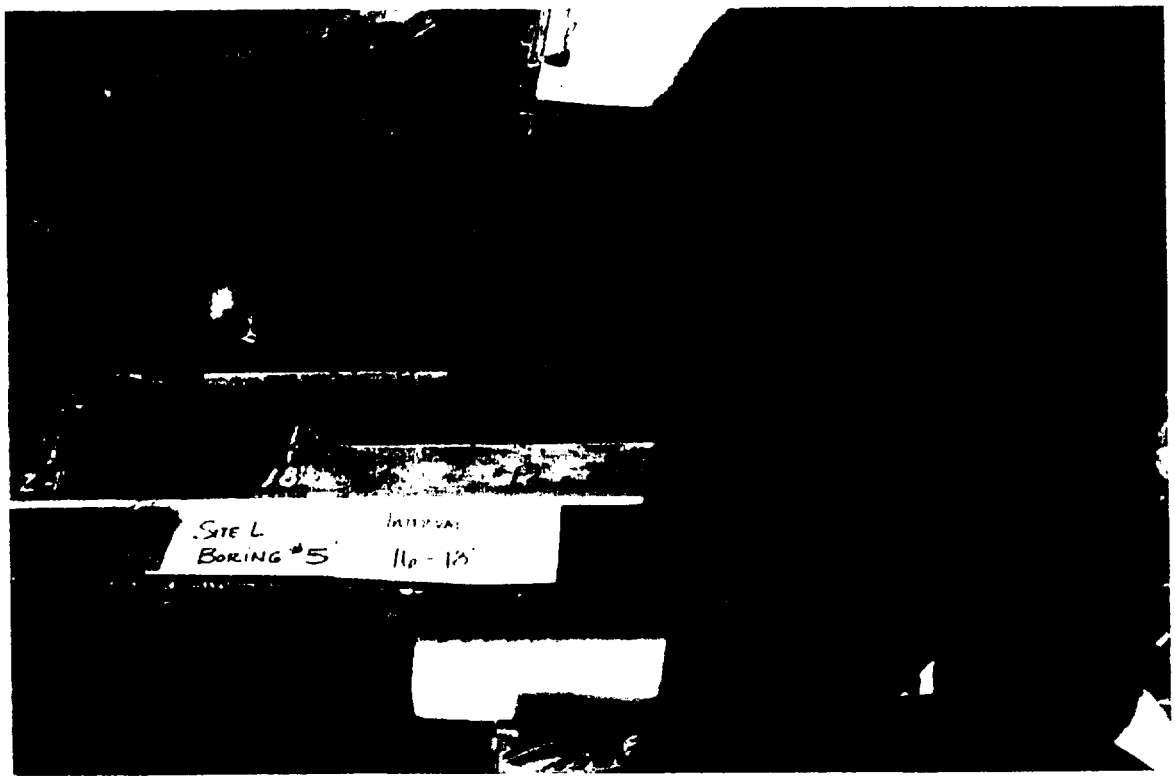


Site L, waste borings, B5, 12-14 ft; Oct 1999

Site L, waste borings, B5, 14-16 ft; Oct 1999



Site L, waste borings, B5, 16-18 ft; Oct 1999



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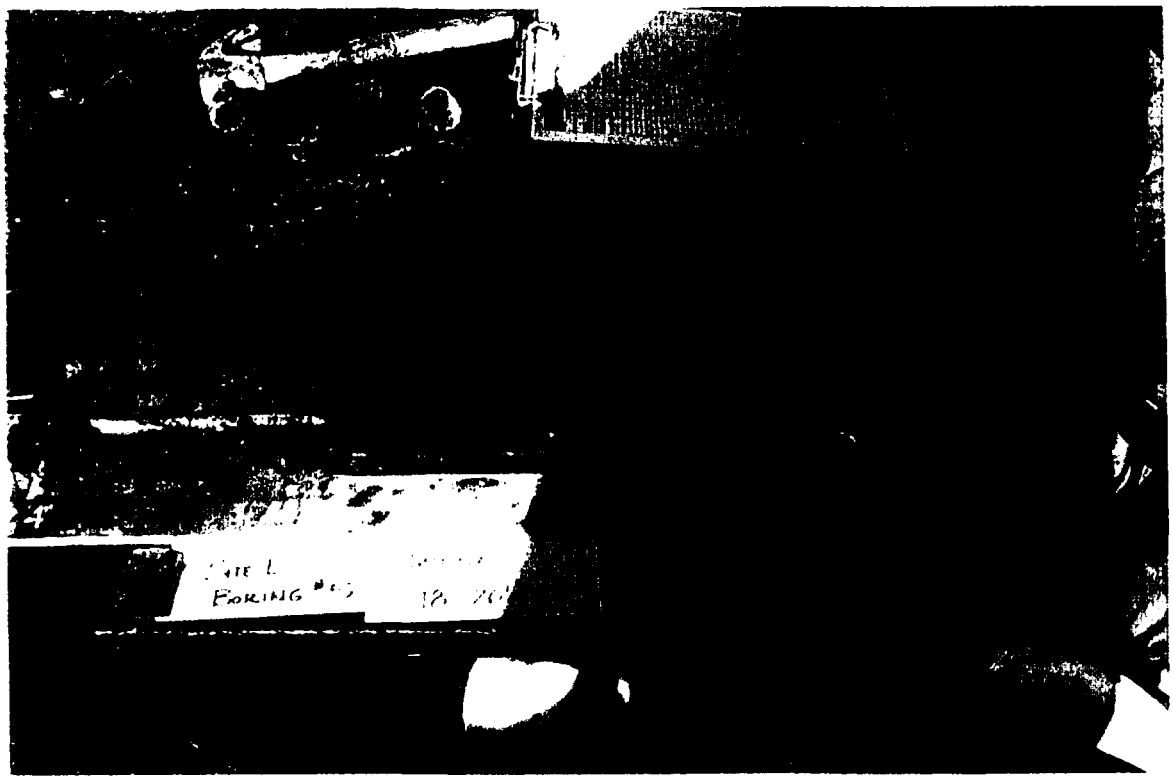
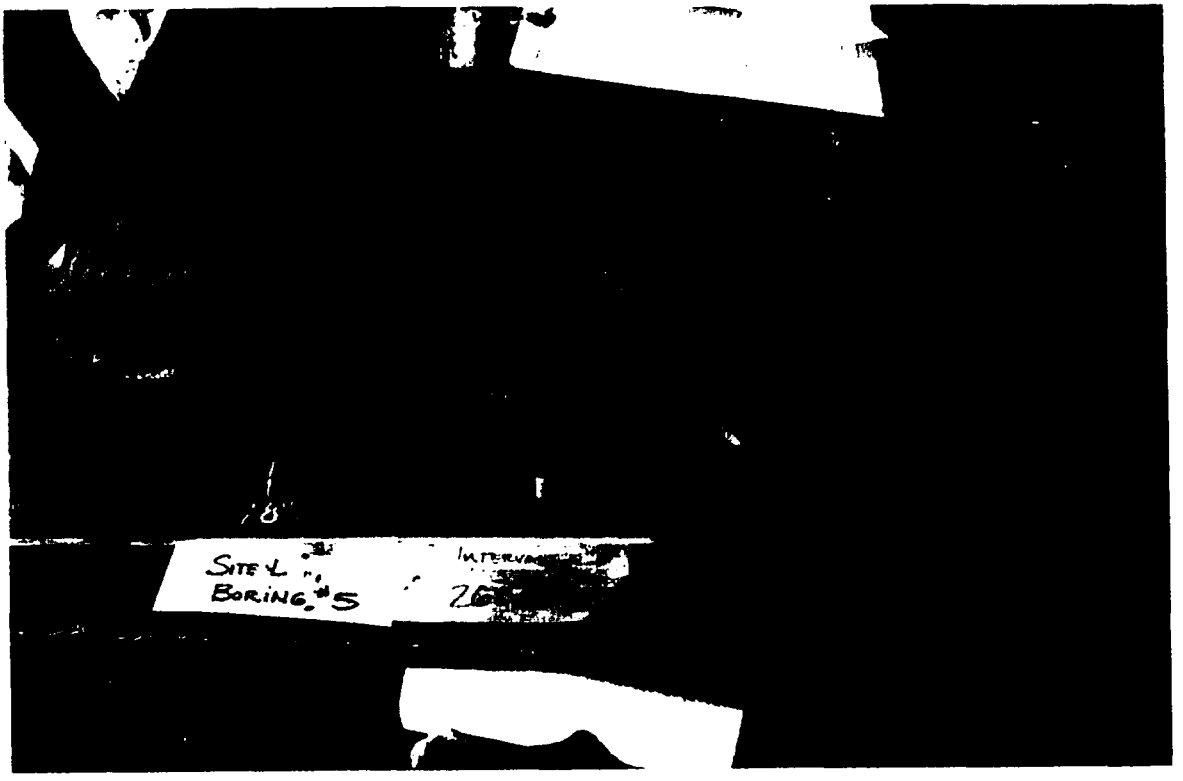


Site L, waste borings, B5, 18-20 ft; Oct 1999

Site L, waste borings, B5, 20-22 ft; Oct 1999

Site L, waste borings, B5, 22-24 ft; Oct 1999

Site L, waste borings, B5, 24-26 ft; Oct 1999



Site L, waste borings, B5, 26-28 ft; Oct 1999

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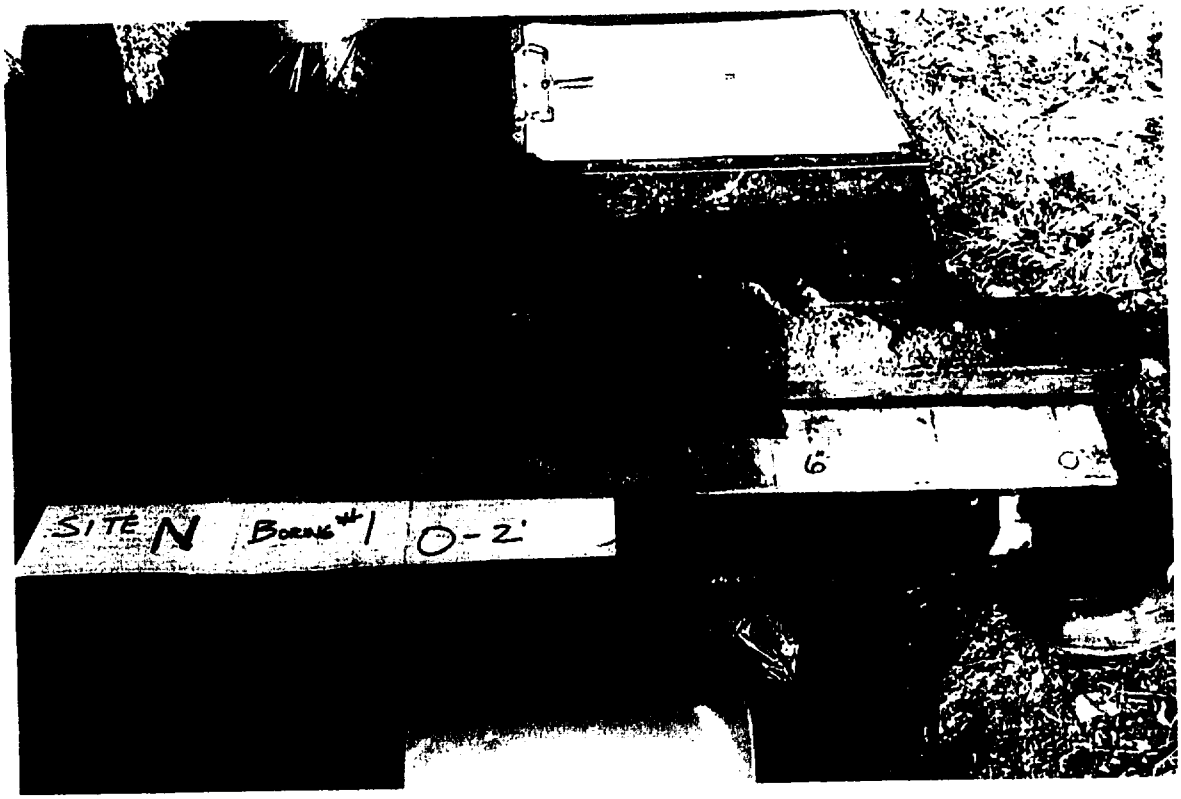
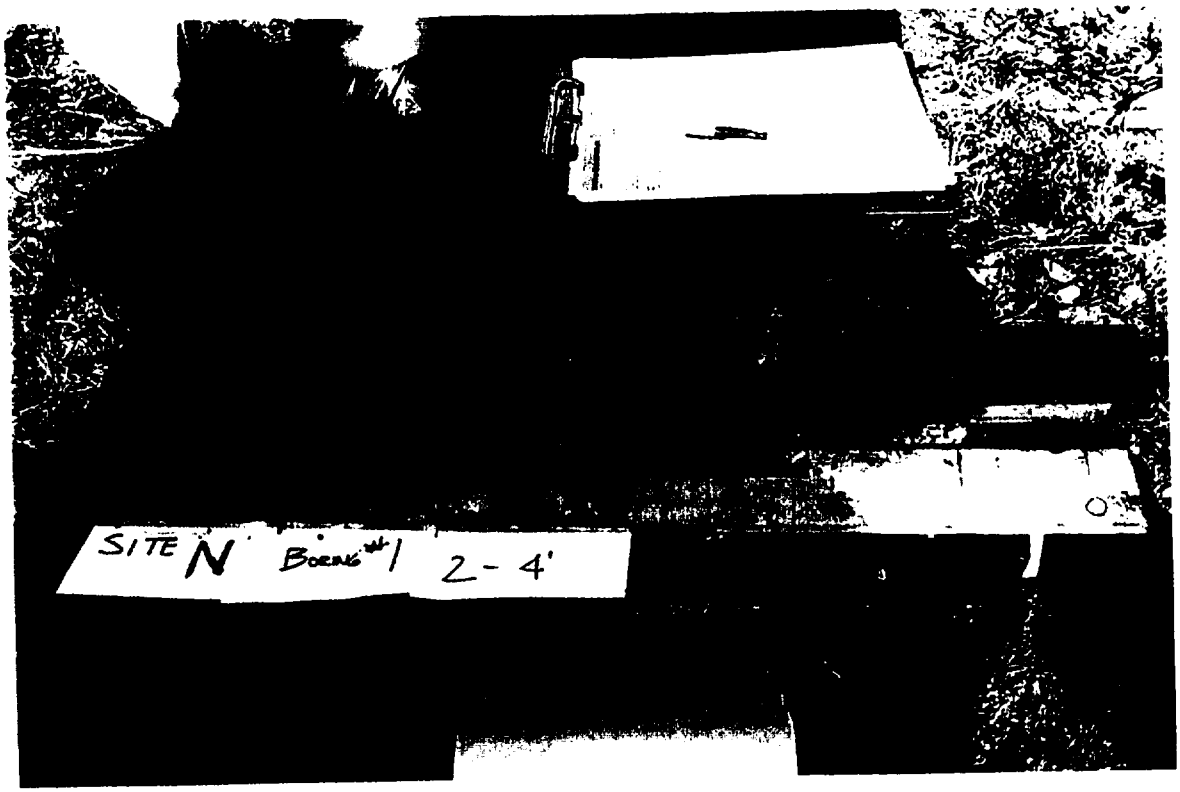
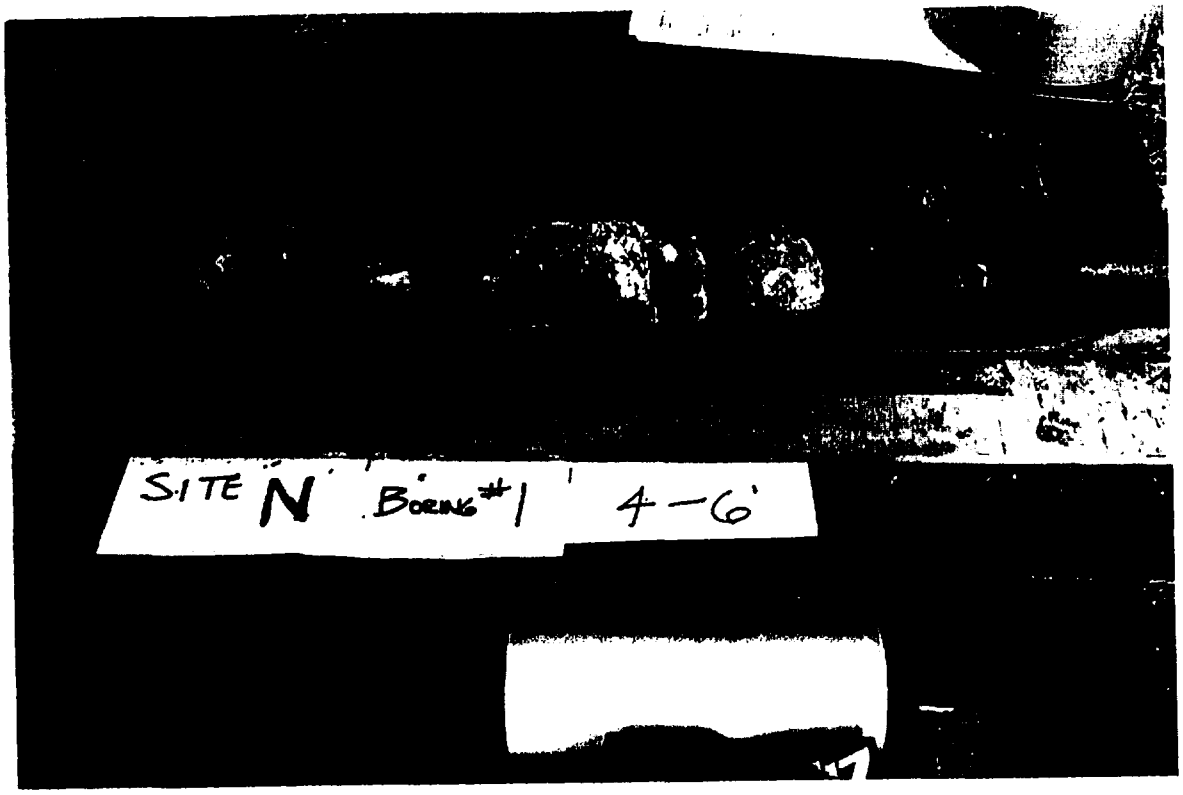


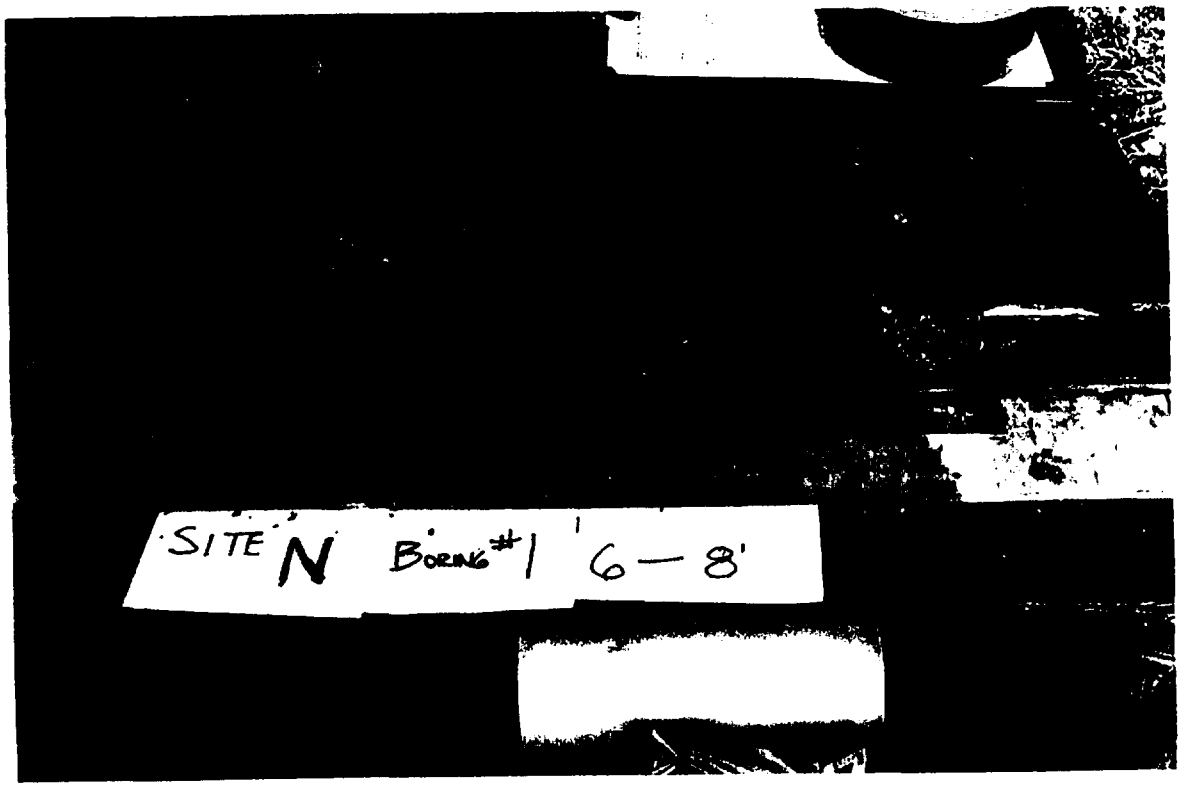
Site N waste borings, B1, 0-2 ft; Nov 1999



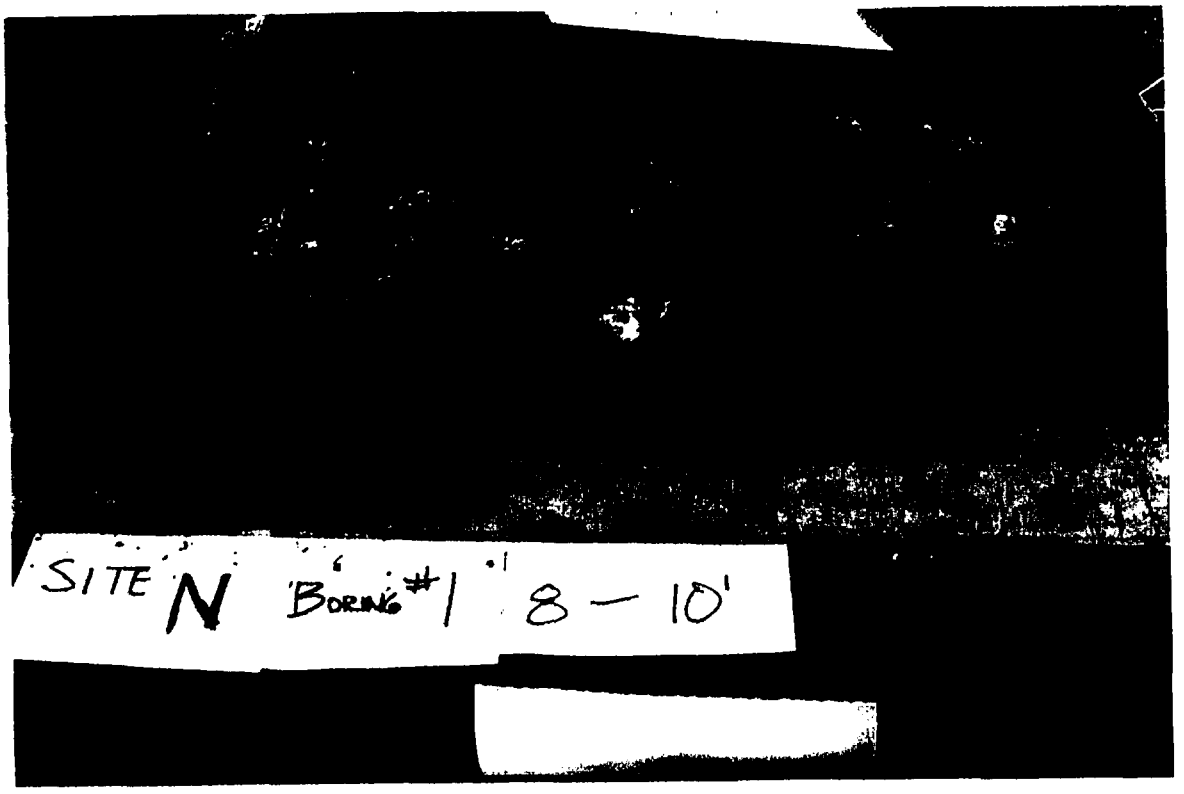
Site N waste borings, B1, 2-4 ft; Nov 1999



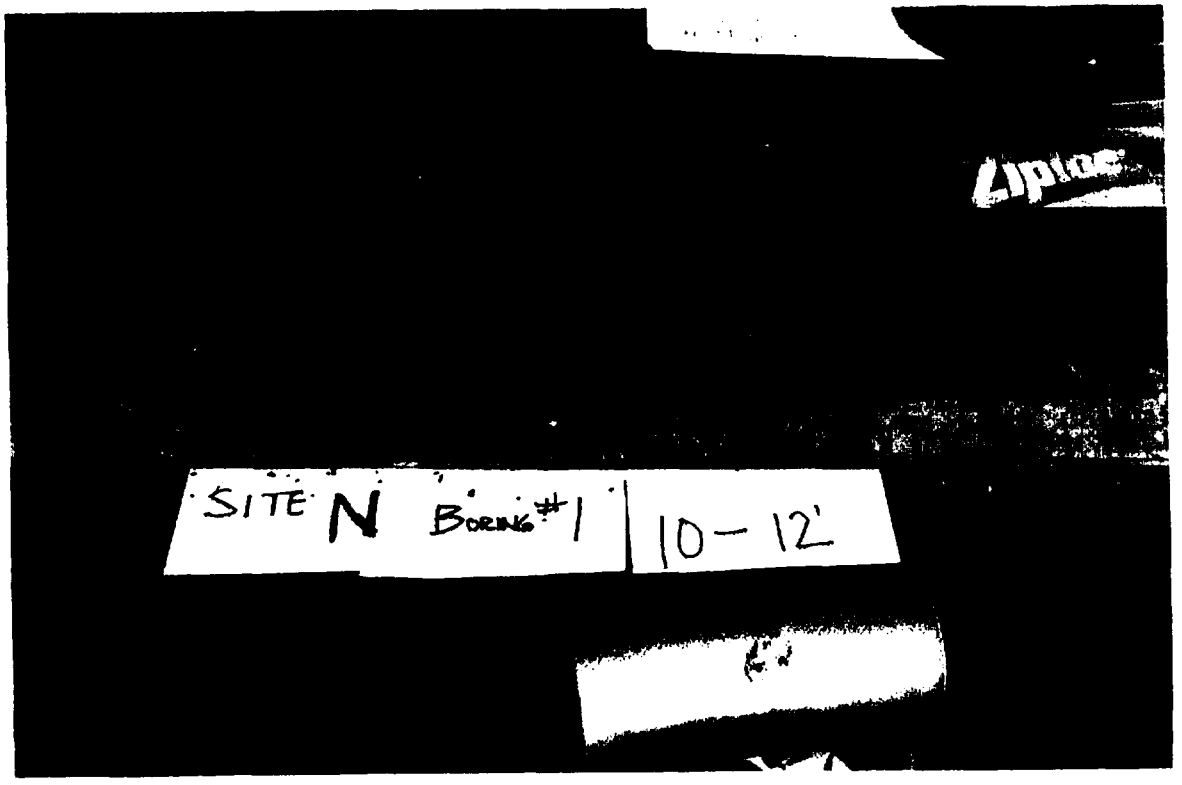
Site N waste borings, B1, 4-6 ft; Nov 1999



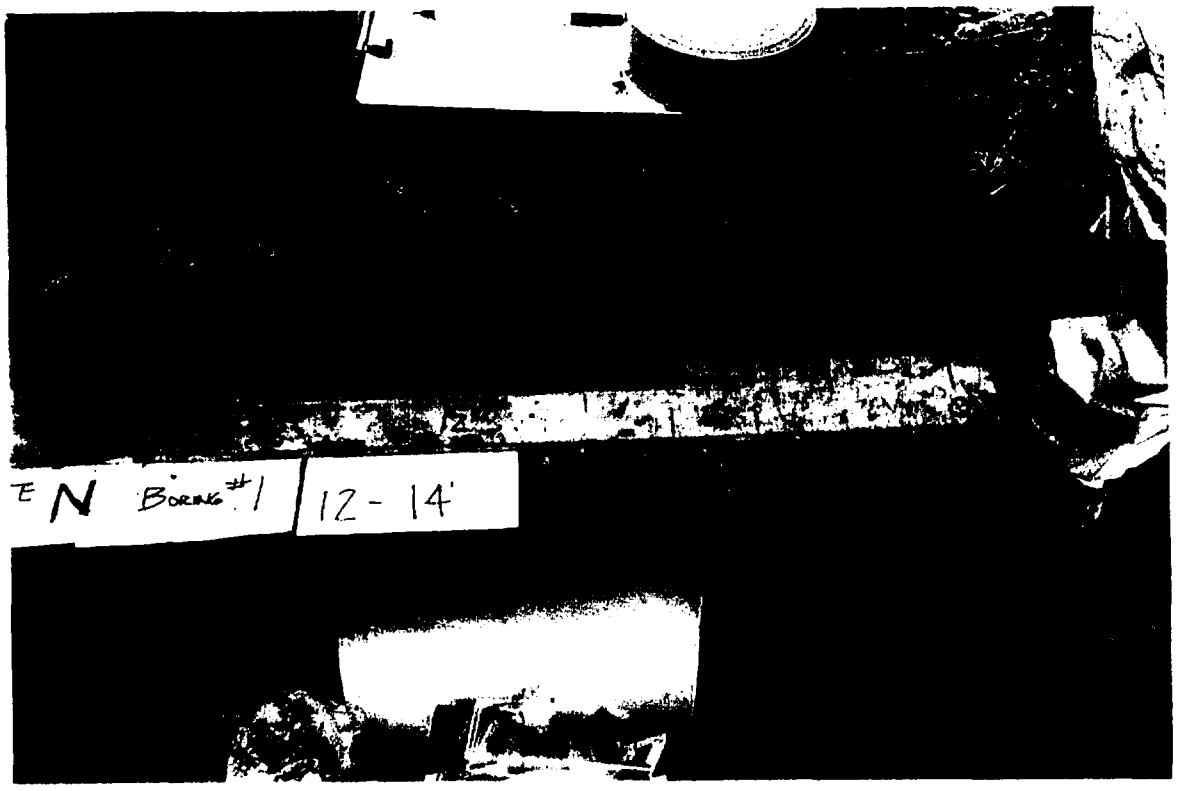
Site N waste borings, B1, 6-8 ft; Nov 1999



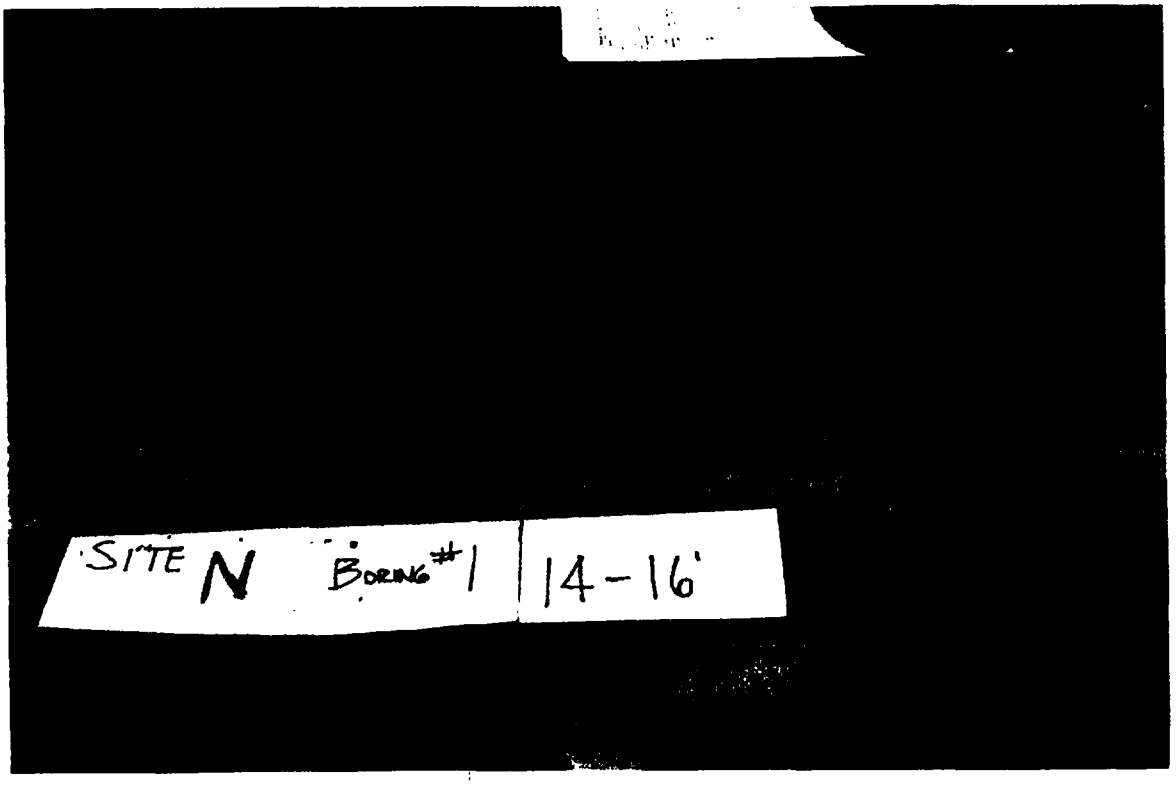
Site N waste borings, B1, 8-10 ft; Nov 1999



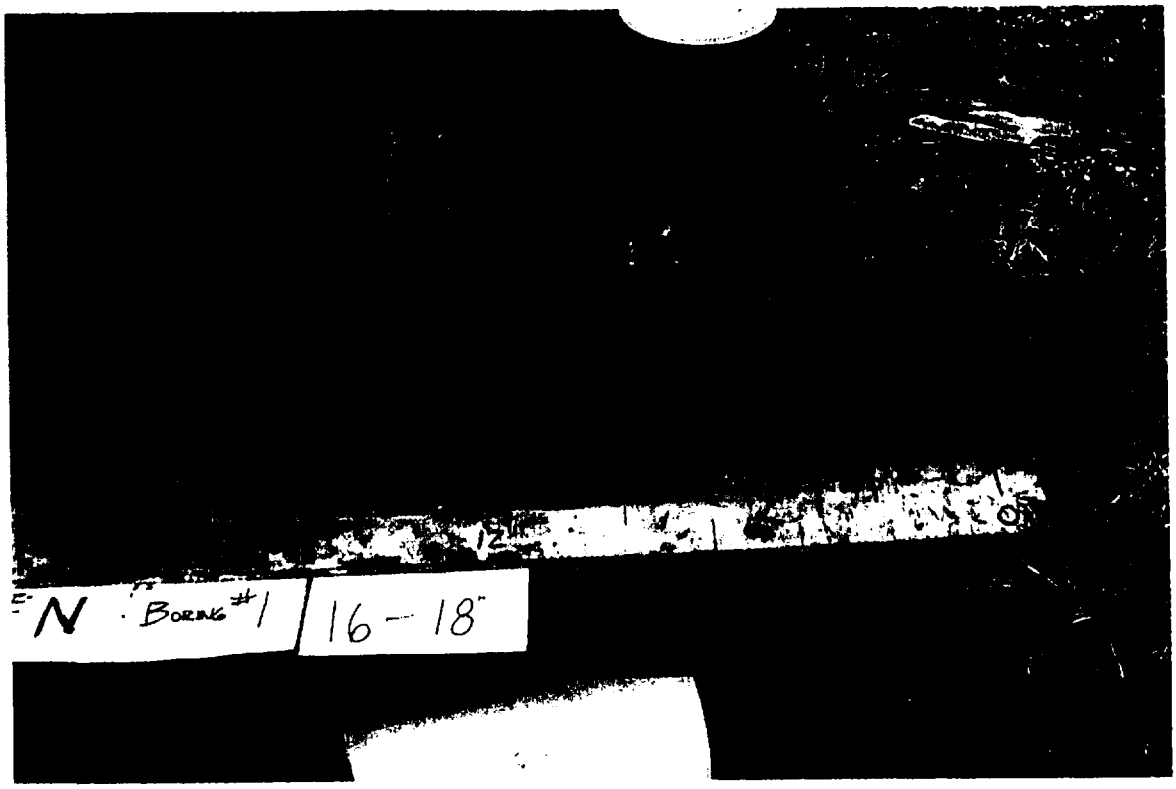
Site N waste borings, B1, 10-12 ft; Nov 1999



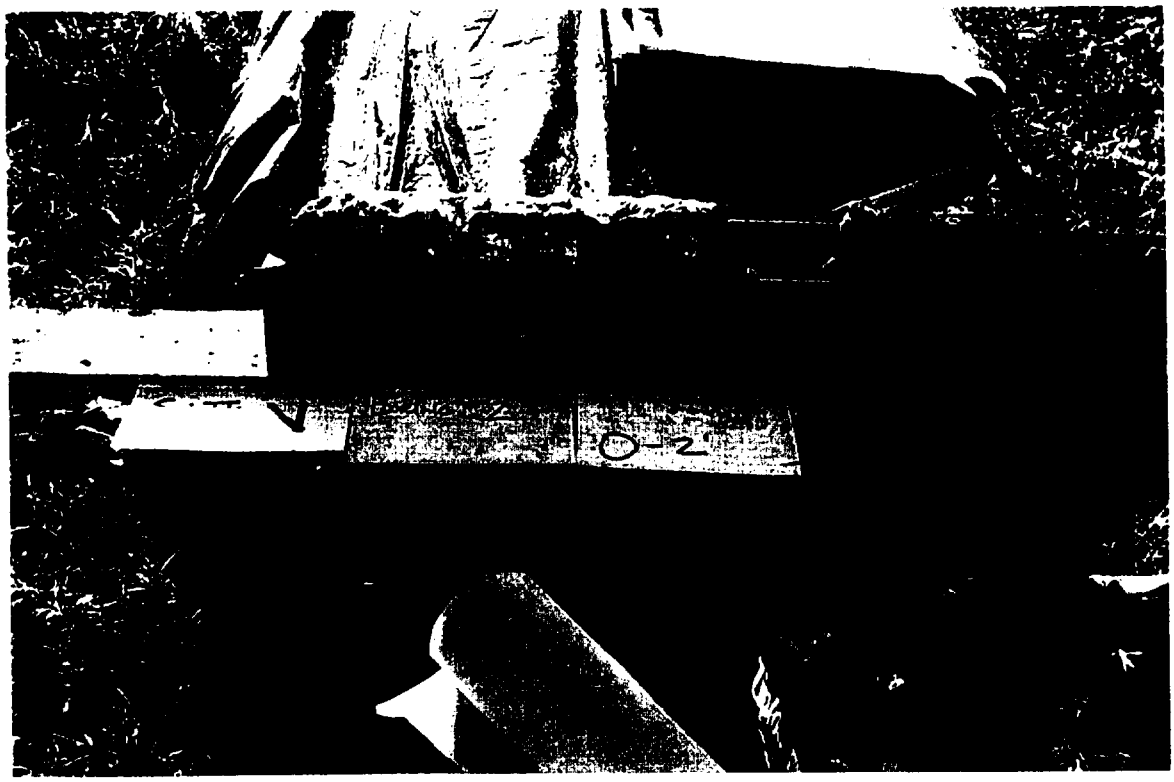
Site N waste borings, B1, 12-14 ft; Nov 1999



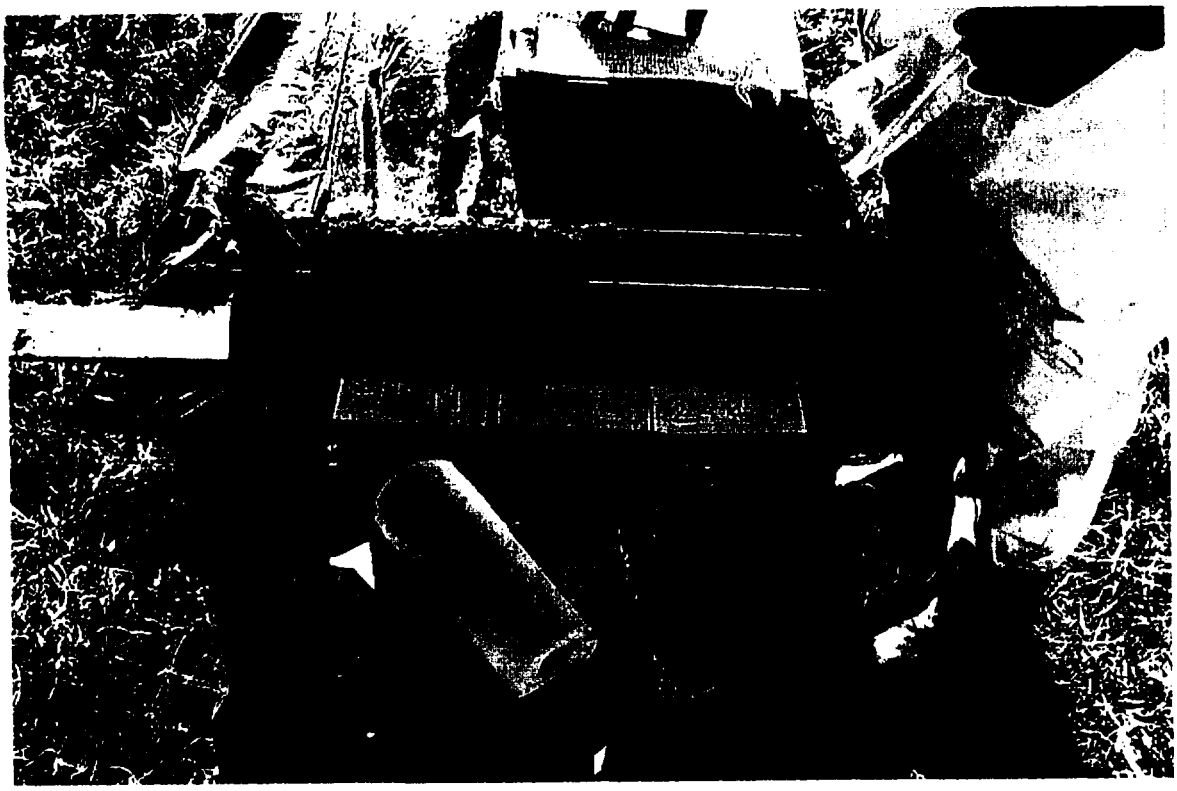
Site N waste borings, B1, 14-16 ft; Nov 1999



Site N waste borings, B1, 16-18 ft; Nov 1999

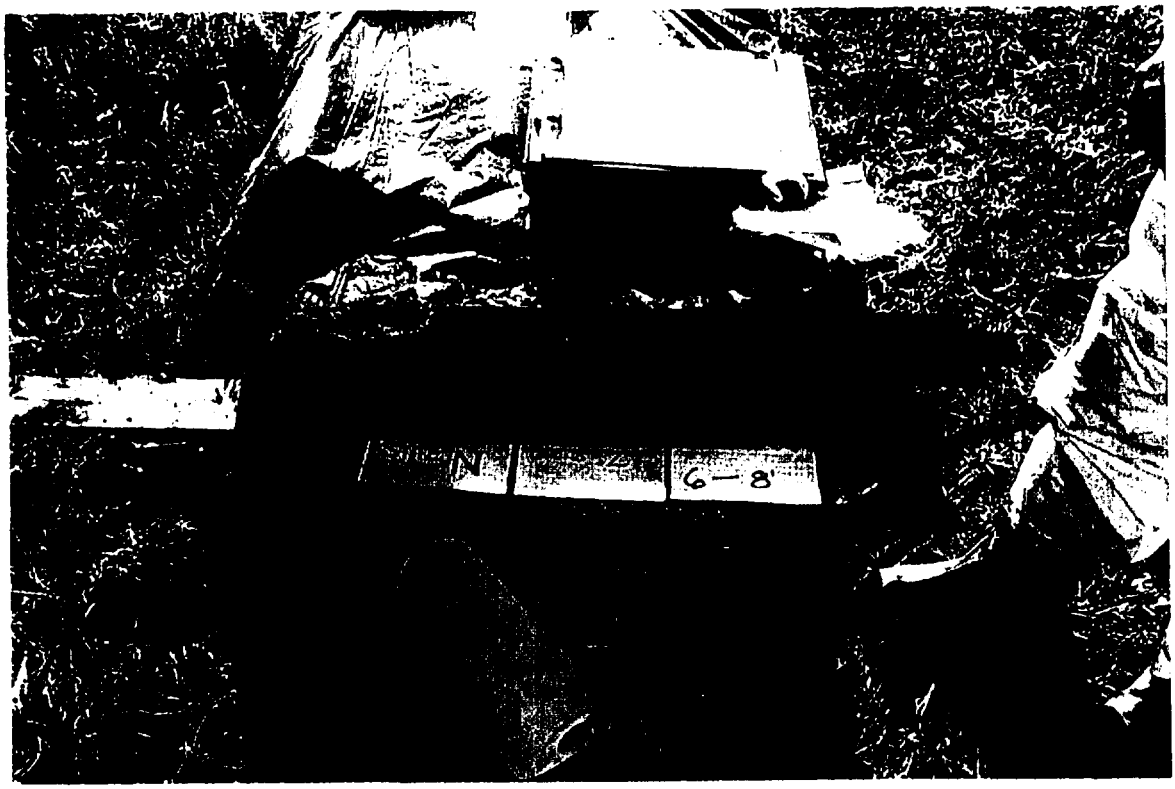


Site N waste borings, B2, 0-2 ft; Dec 1999

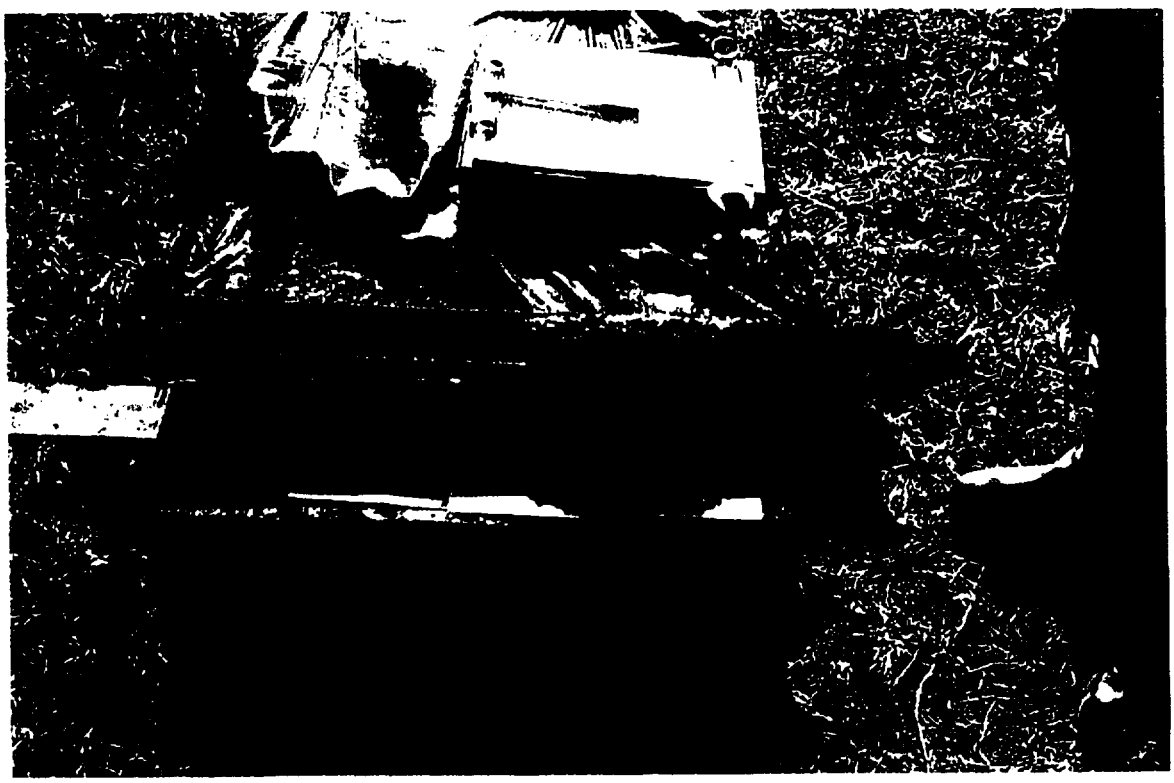


Site N waste borings, B2, 2-4 ft; Dec 1999

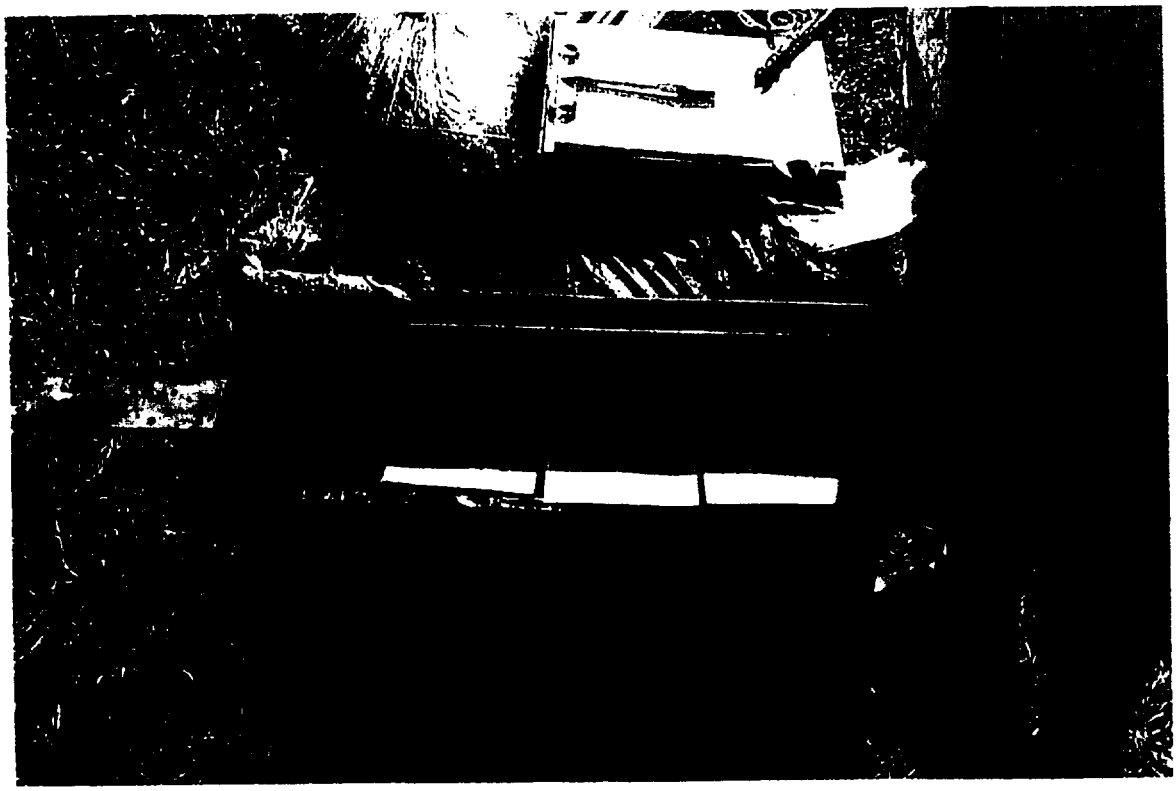
Site N waste borings, B2, 4-6 ft; Dec 1999



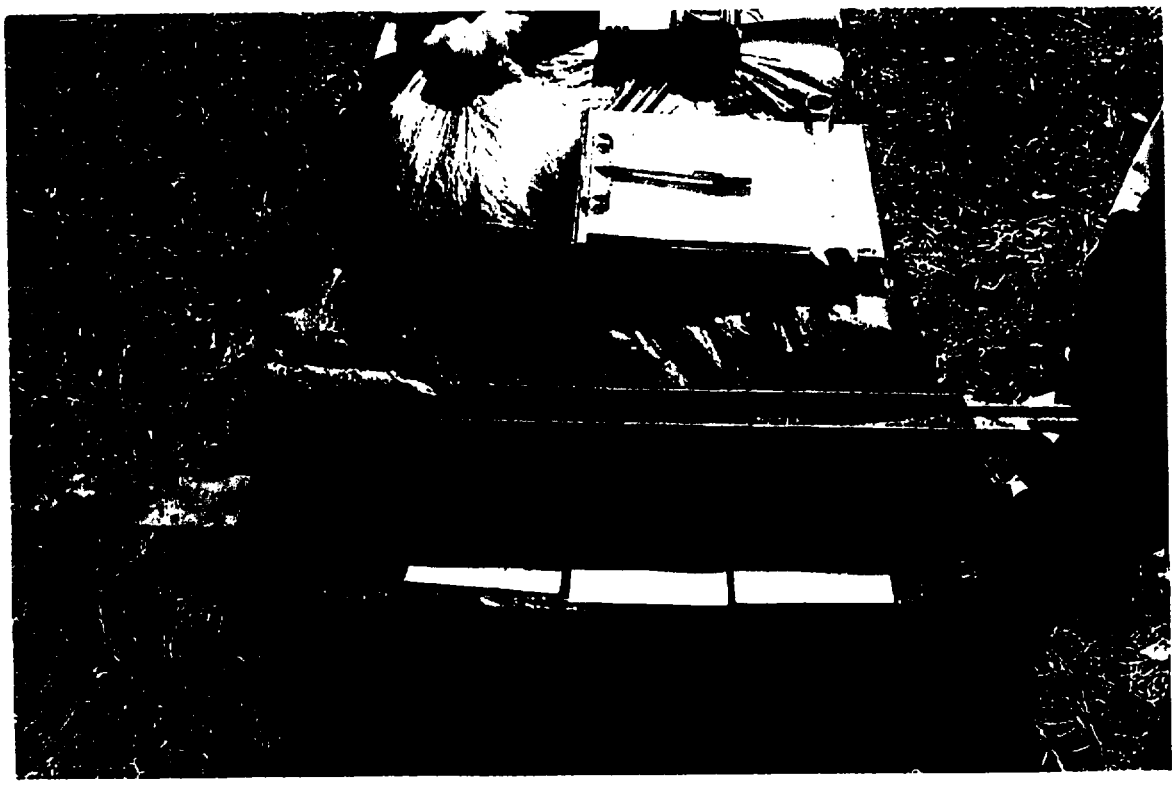
Site N waste borings, B2, 6-8 ft; Dec 1999



Site N waste borings, B2, 14-16 ft; Dec 1999

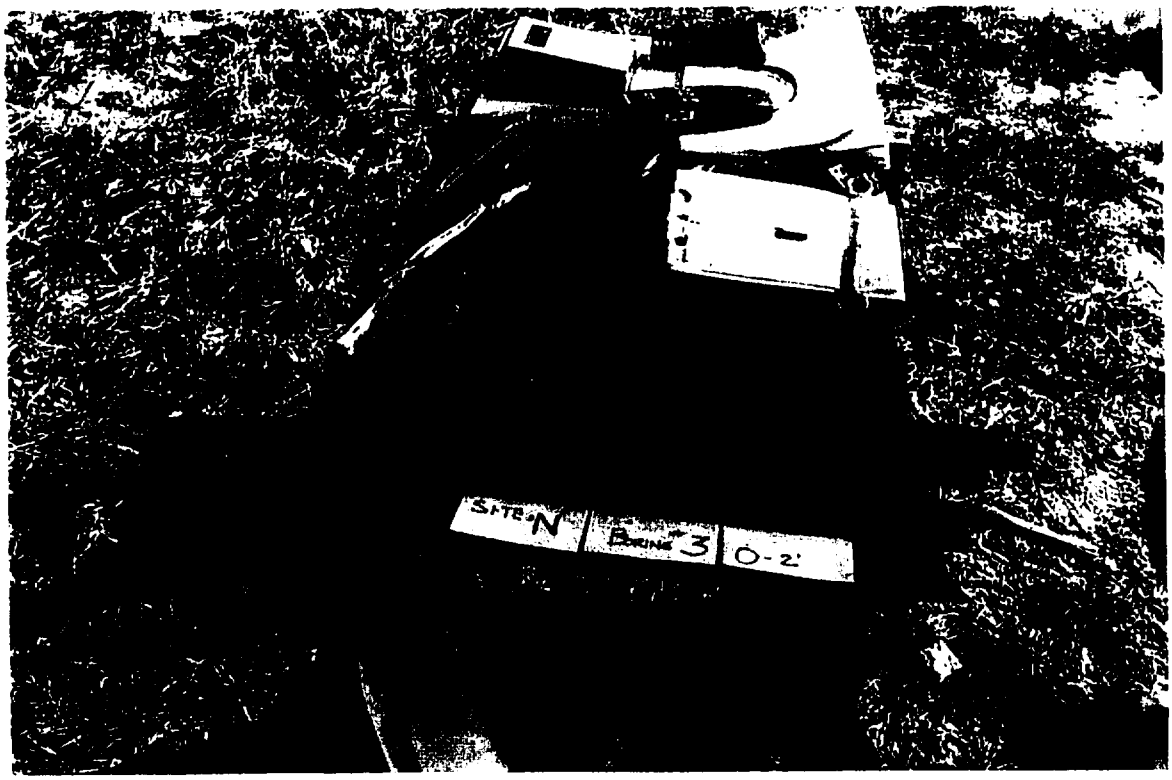


Site N waste borings, B2, 16-18 ft; Dec 1999



Site N waste borings, B2, 16-18 ft; Dec 1999

Site N waste borings, B2, 18-20 ft' Dec 1999

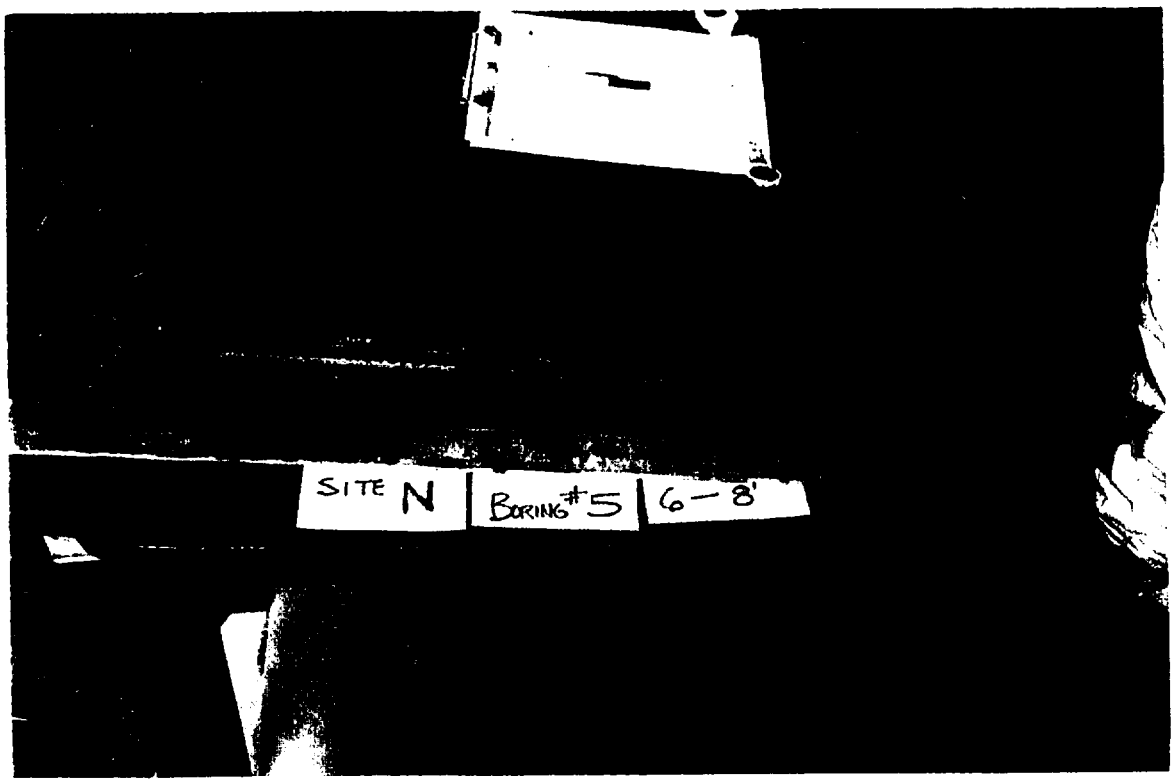


Site N waste borings, B3, 0-2 ft; Dec 1999

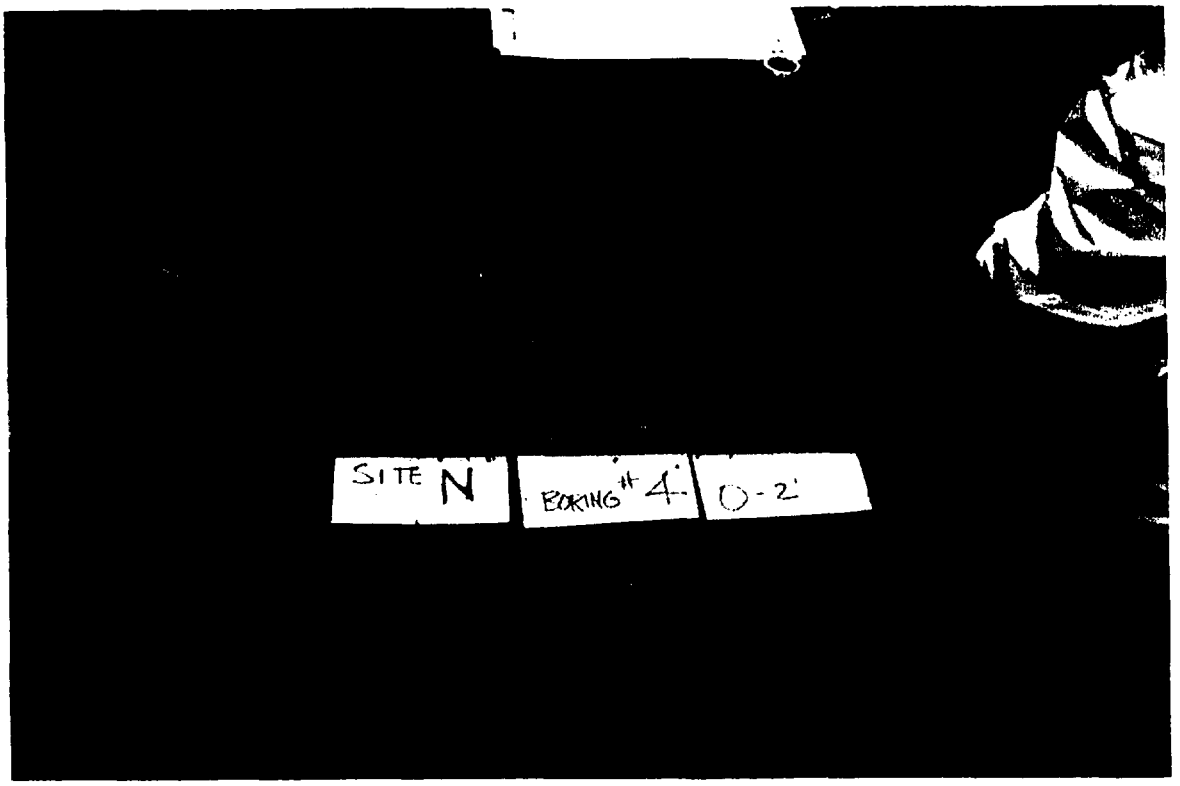
Site N waste borings, B3, 2-4 ft; Dec 1999

Site N waste borings, B3, 4-6 ft; Dec 1999

Site N waste borings, B3, 6-8 ft; Dec 1999



Site N waste borings, B5, 6-8 ft; Dec 1999



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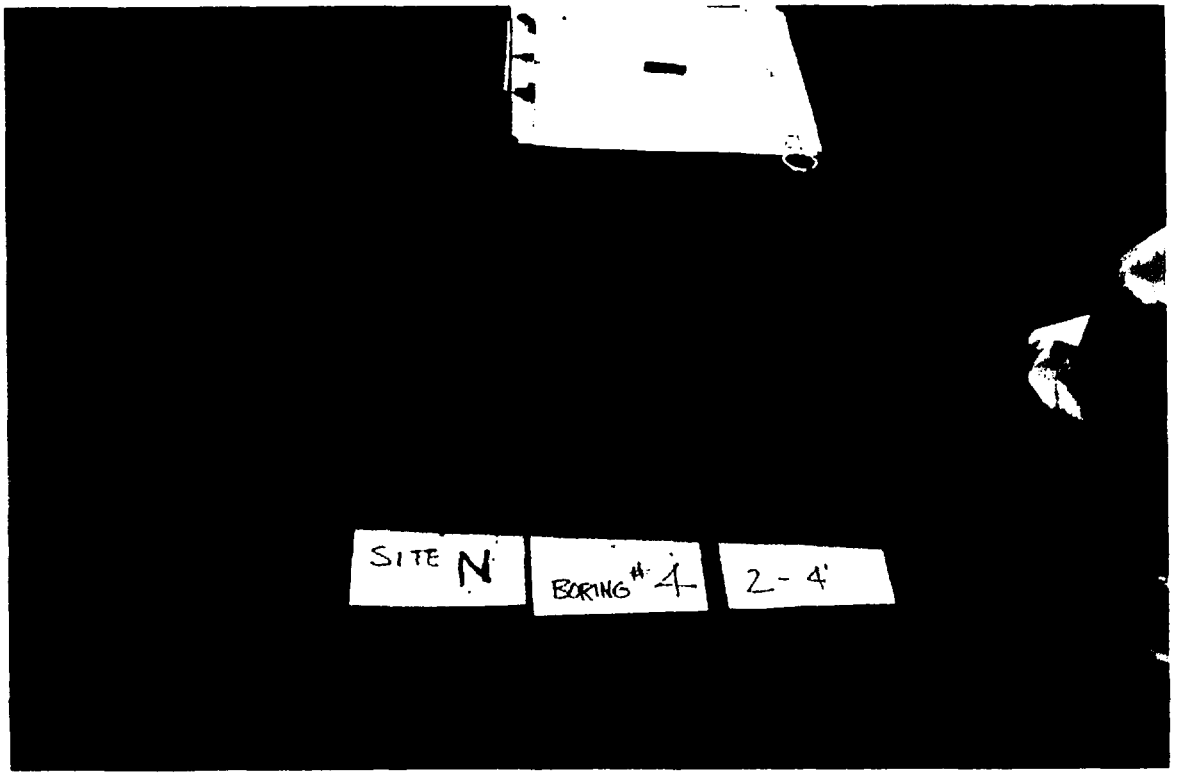
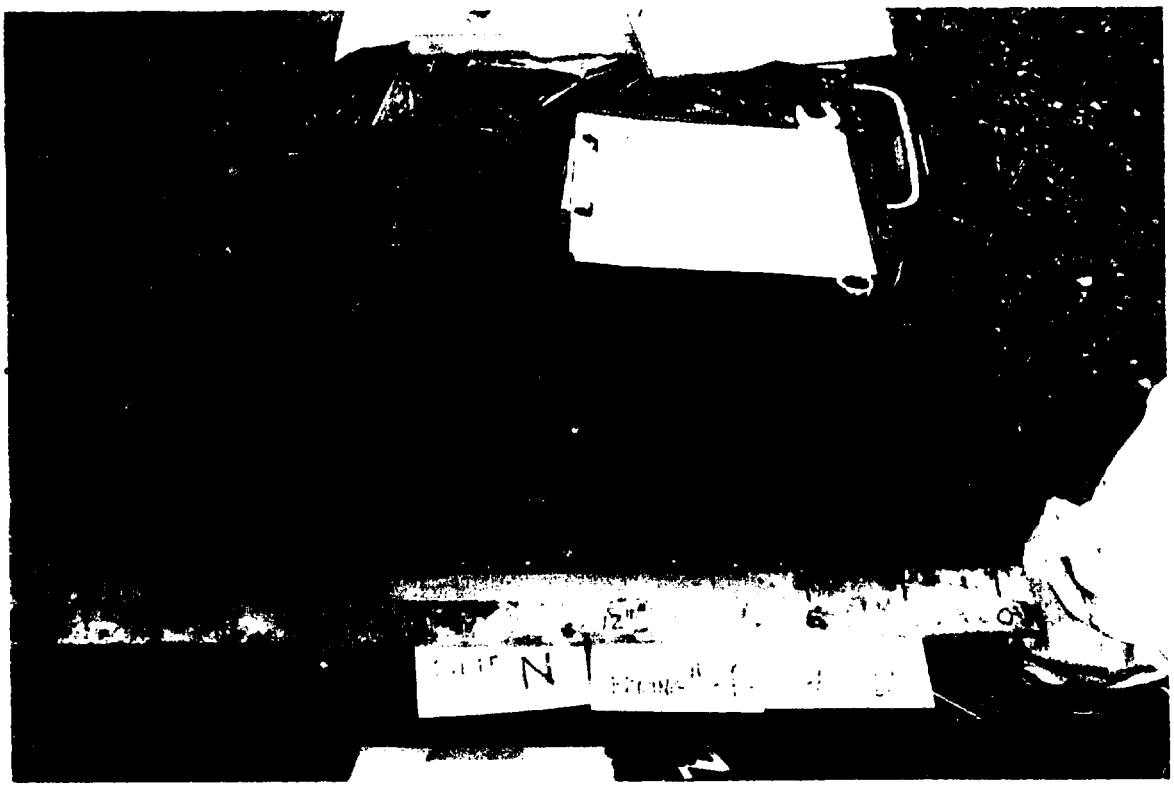
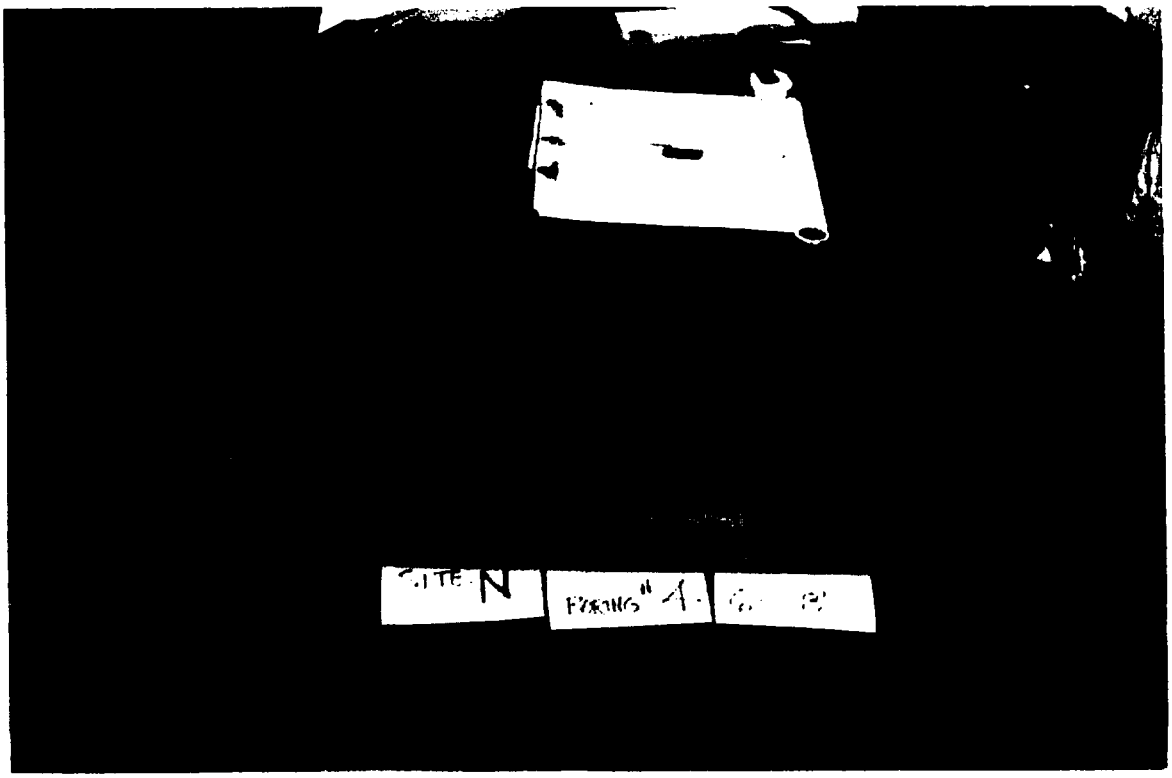


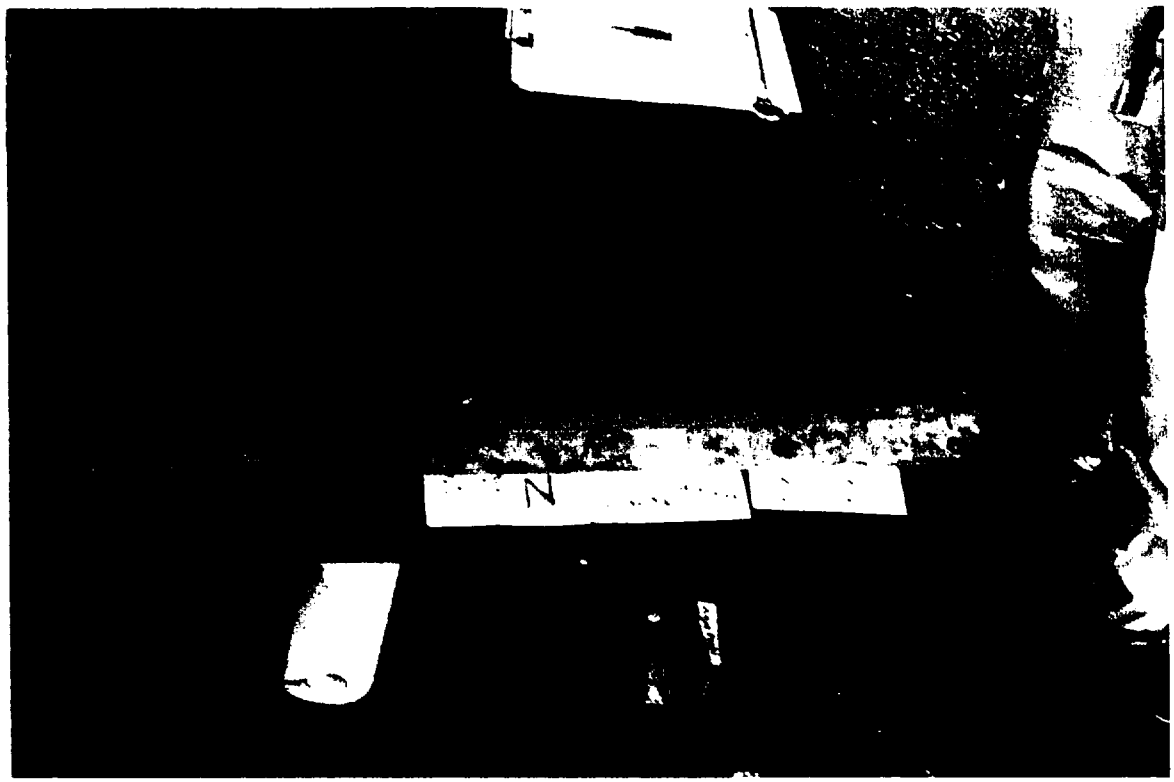
Site N waste borings, B4, 2-4 ft; Dec 1999



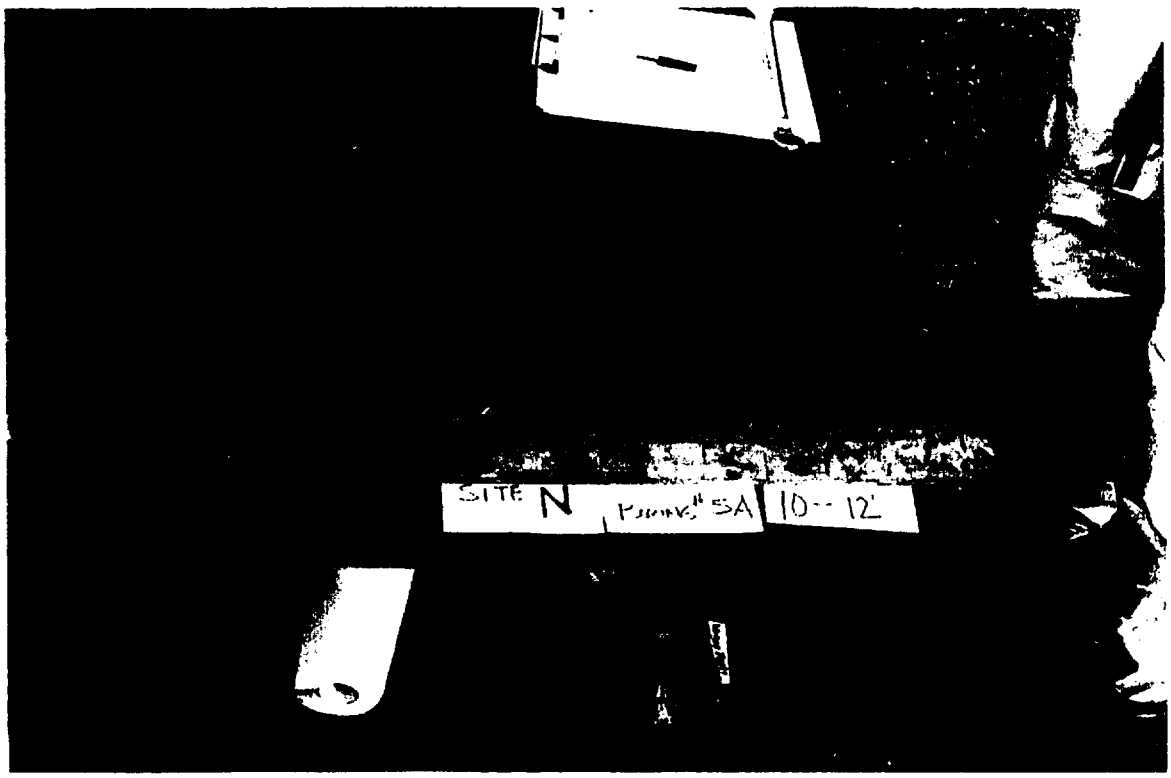
Site N waste borings, B4, 4-6 ft; Dec 1999



Site N waste borings, B4, 6-8 ft; Dec 1999

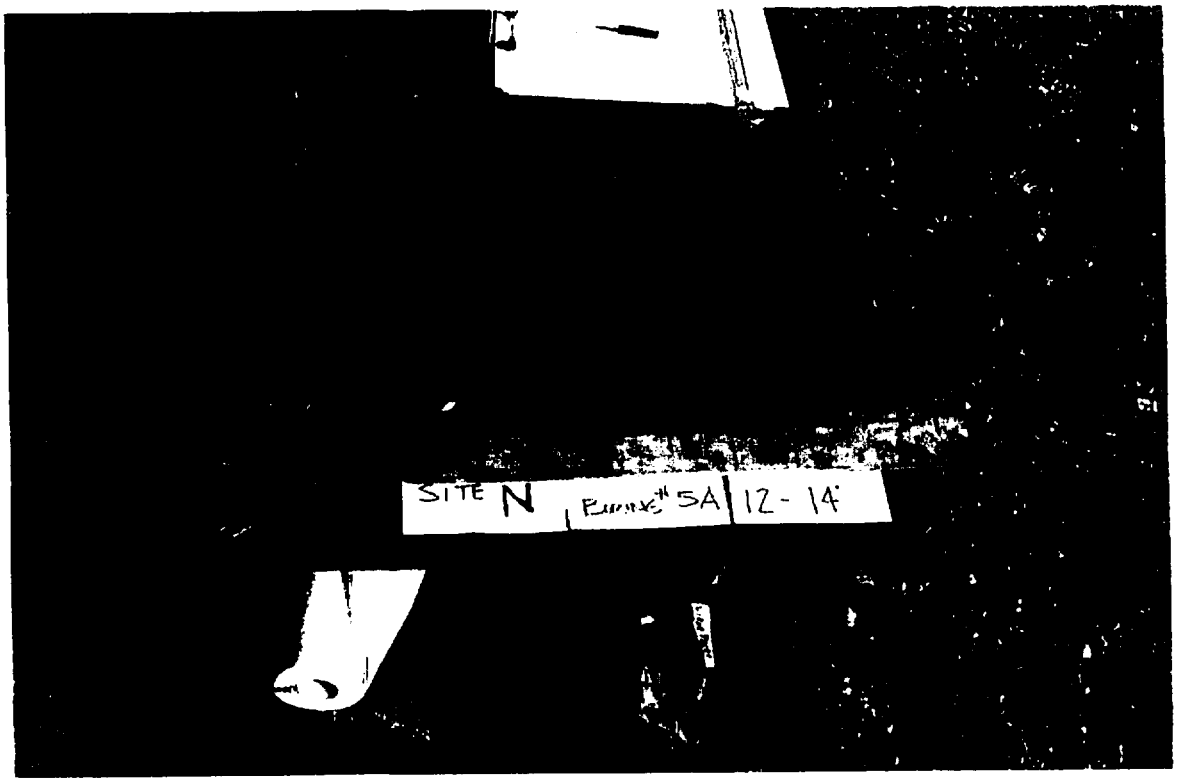


Site N waste borings, B5a, 10-12 ft; Dec 1999

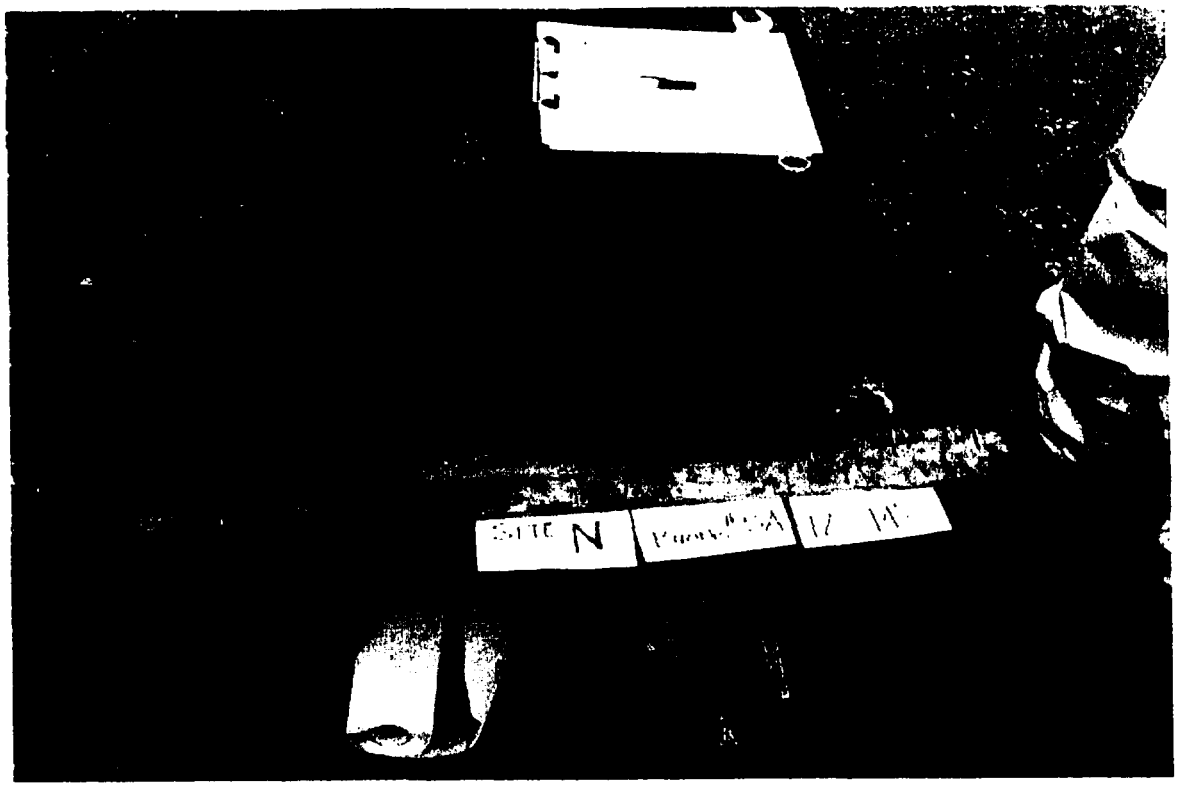


Site N waste borings, B5a, 10-12 ft; Dec 1999

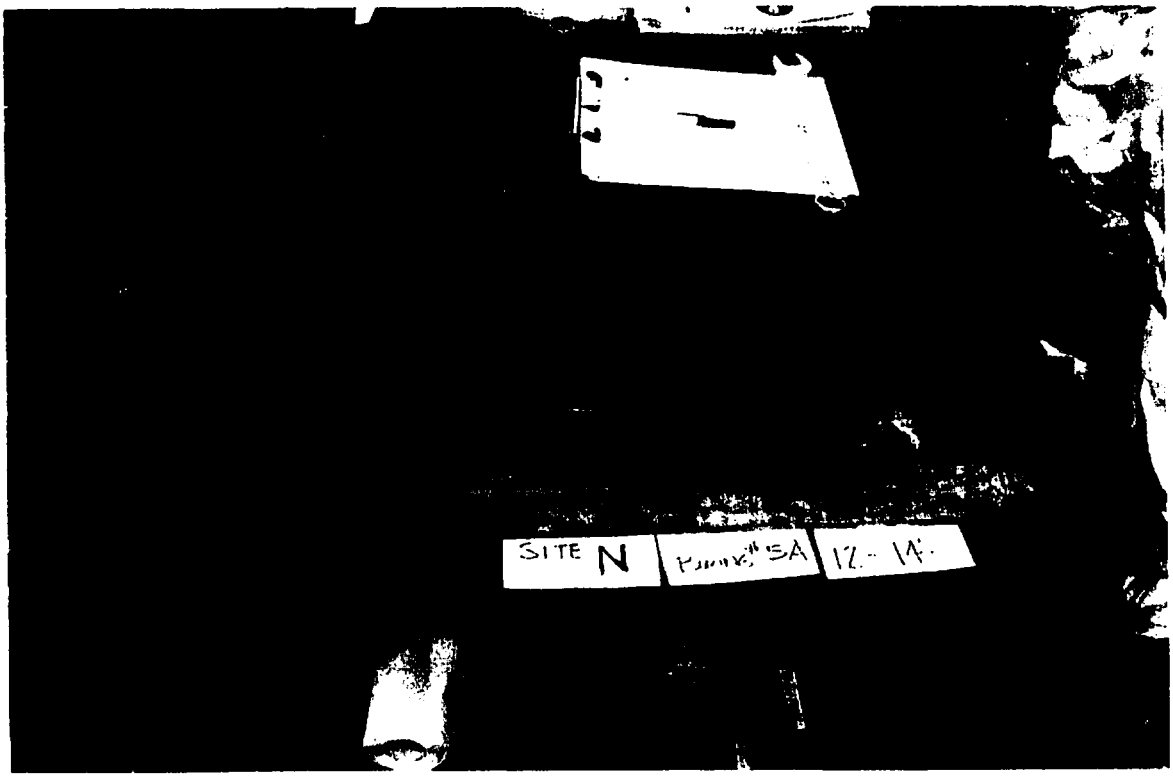
Site N waste borings, B5a, 10-12 ft; Dec 1999



Site N waste borings, B5a, 12-14 ft; Dec 1999

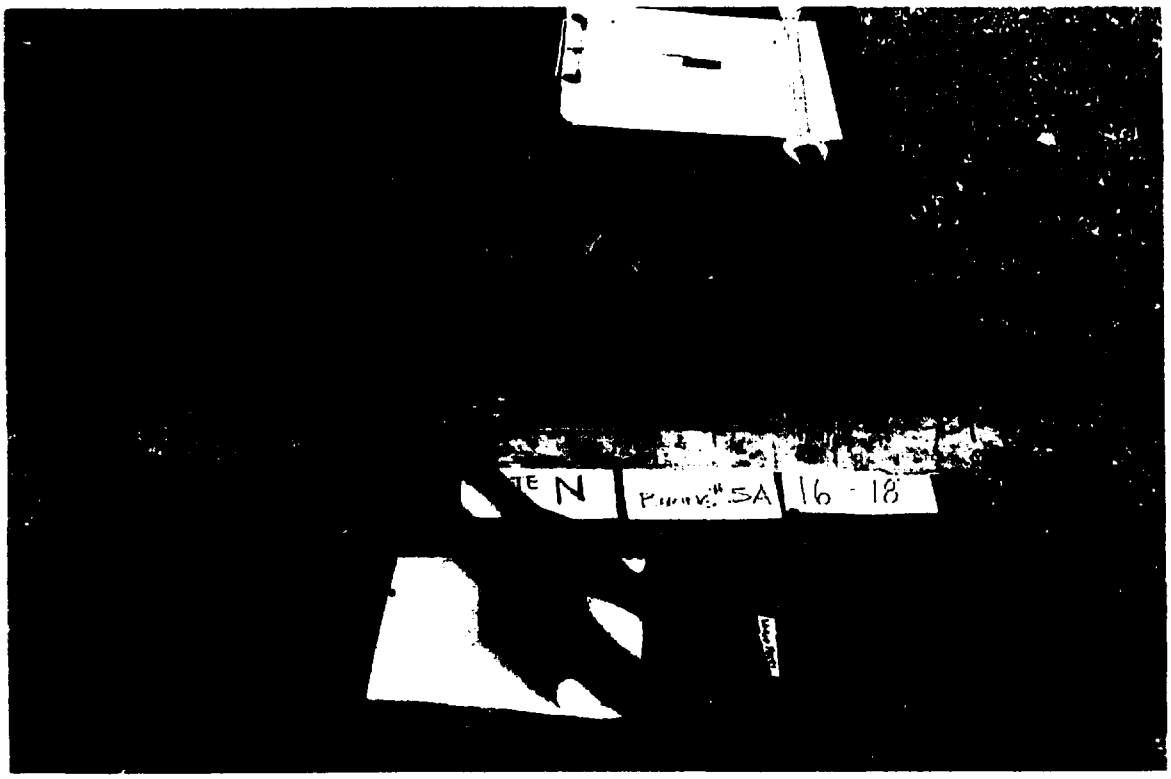


Site N waste borings, B5a, 12-14 ft; Dec 1999

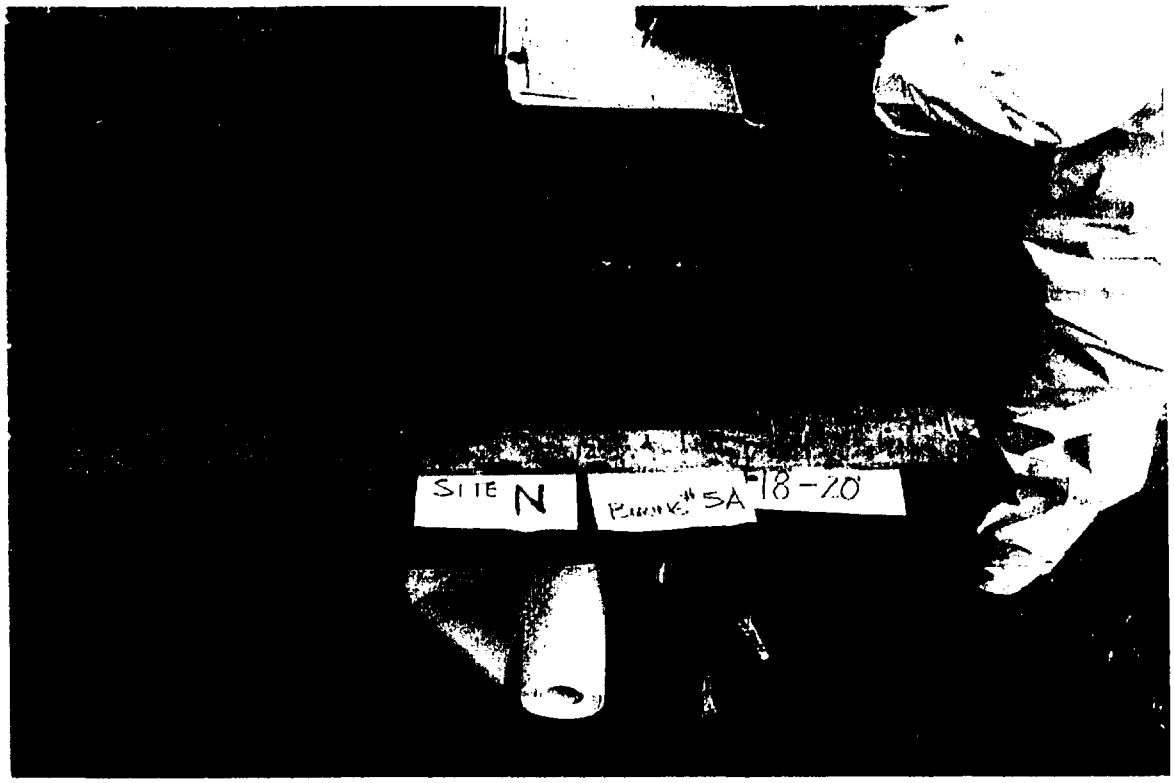


Site N waste borings, B5a, 12-14 ft; Dec 1999

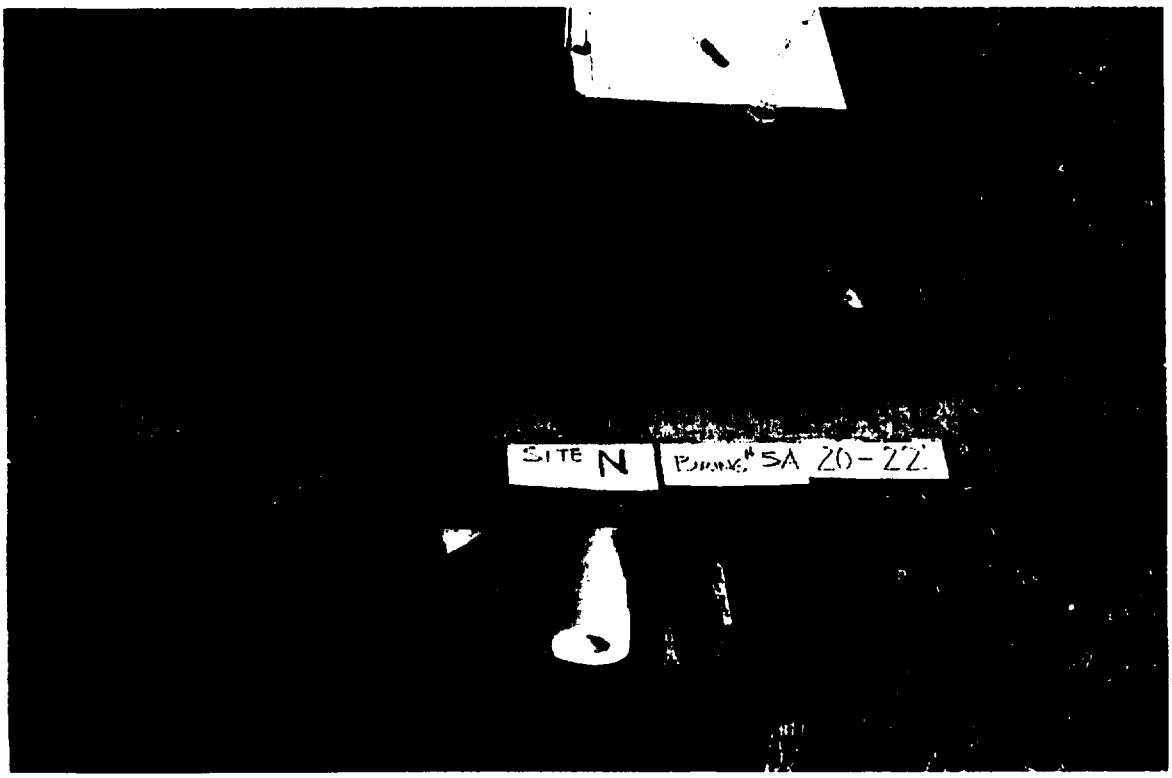
Site N waste borings, B5a, 14-16 ft; Dec 1999



Site N waste borings, B5a, 16-18 ft; Dec 1999

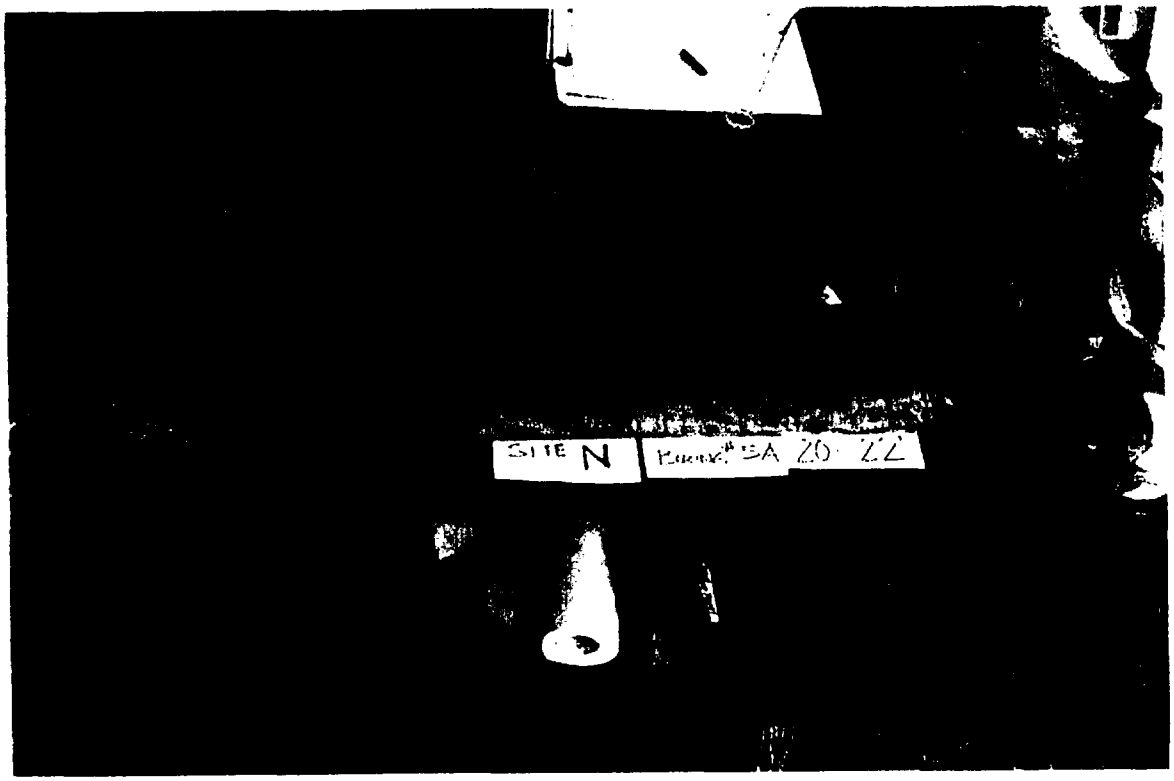


Site N waste borings, B5a, 18-20 ft; Dec 1999



Site N waste borings, B5a, 20-22 ft; Dec 1999

Site N waste borings, B5a, 20-22 ft; Dec 1999



Site N waste borings, B5a, 20-22 ft; Dec 1999

3.3.4.6. Chain-of-Custody Forms

Figure 1. *Example chain-of-custody*

Project Name: Support Sampling - Sauget Area 1 Site, Solutia Inc
Job No. 23548
Sheet 1 of 1

Office: St Louis Mo 63128
Address: [illegible] Suite 211
Phone: [illegible] 4550

CHAIN OF CUSTODY

Cooler Temperature _____

CLIENT: O'Brien & Gere
LOCATION: Solutia Sauget Area 1

COLLECTED BY: DE Heyerdink / AJ Finch
(Signature) [illegible]

SAMPLE DESCRIPTION/LOCATION	Date	Time	Sample Matrix[1]	Sample Type[2]	No. of Containers	ANALYSIS REQUESTED[3]	Sample Preservation
SITE L B1 0-0.5'	9/27/99		Surface Soil	Grab	1 bag	Moisture Content	None
SITE L B2 0-0.5'	9/27/99		Surface Soil	Grab	1 bag	Bulk Density	
SITE L B3 0-0.5'	9/27/99		Surface Soil	Grab	1 bag	Specific Gravity	
SITE L B4 0-0.5'	9/27/99		Surface Soil	Grab	1 bag		
SITE H B1 0-0.5'	9/27/99		Surface Soil	Grab	1 bag		
SITE H B2 0-0.5'	9/27/99		Surface Soil	Grab	1 bag		
SITE H B3 0-0.5'	9/27/99		Surface Soil	Grab	1 bag		
SITE H B4 0-0.5'	9/27/99		Surface Soil	Grab	1 bag		

[1] Matrix = Ground water, surface water, sediment, biota [3] VOC - USEPA 8260, 8270, 6010 [2] Type = grab, composite

Relinquished by:	Date	Time	Received by:	Date	Time
of:			of:		
Relinquished by:	Date	Time	Received by:	Date	Time
of:			of:		
Relinquished by:	Date	Time	Received by:	Date	Time
of:			of:		
Use this space if shipped via courier (e.g., Fed Ex) Relinquished by: [signature]	Date	Time	Courier Name and Airbill Number: Fed X	Date	Time
of: O'Brien & Gere Engineers	9/27/99	1800	812759433219 *Attach delivery/courier receipt to Chain of Custody	9/27/99	1800
Relinquished by:	Date	Time	Received by:	Date	Time
of:			of:		

FedEx *USA Airbill* FedEx tracking Number 812789433219

Form LB No. 0200

1 From Please print and press hard

Date 9/21/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Alan Cork Phone (314) 842-4550

Company O'Brien & Gere Engineers

Address 5000 Cedar Plaza Parkway Suite 211 Dept./Floor/Suite/Room

City St. Louis State MO ZIP 63128

2 Your Internal Billing Reference First 24 characters will appear on invoice 23548.020.005

3 To Recipient's Name Dale Nobles Phone (334) 666-2443

Company Thompson Engineering

Address 3707 Cottage Hill Road Dept./Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes

To "HOLD" at FedEx location, print FedEx address here

City Mobile State AL ZIP 36609

4a Express Package Service — Packages up to 150 lbs. Delivery commitment may be later in some areas

- [ ] FedEx Priority Overnight — Next business morning
- [X] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One pound rate

4b Express Freight Service — Packages over 150 lbs. Delivery commitment may be later in some areas

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg — Includes FedEx Box, FedEx Tube, and customer pkg

* Declared value limit $500

6 Special Handling

- [ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?

- [X] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ___ kg
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging

7 Payment Bill to:

- [X] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. ___ Exp. Date ___

Total Packages	Total Weight	Total Declared Value†
1	29	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details.

FedEx Use Only

8 Release Signature Sign to authorize delivery without obtaining signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

360

Rev. Date 11/98 • Part #154815 • ©1994-98 FedEx • PRINTED IN U.S.A. OBFE 6/98

Questions? Call 1·800·Go·FedEx® (800-463-3339)
Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

RETAIN THIS COPY FOR YOUR RECORDS

Figure 1. *Example chain-of-custody*

Project Name: Support Sampling . Sauget Area 1 Site, Solutia Inc
Job No. 23548
Sheet 1 of 3

Office: ST LOUIS, MO 63128
Address: 5000 CEDAR PLAZA PKWY
Phone: (314) 842-4550

CHAIN OF CUSTODY

Cooler Temperature _____

CLIENT: OBRIEN & GERE
LOCATION: SOLUTIA SAUGET AREA 1

COLLECTED BY: BILL WRIGHT MENZI-CURA
(Signature) JOE PERRY

SAMPLE DESCRIPTION/LOCATION	Date	Time	Sample Matrix[1]	Sample Type[2]	No. of Containers	ANALYSIS REQUESTED[3]	Sample Preservation
SITE G B3 0-0.5"			SURFACE SOIL	GRAB	1 BAG	MOISTURE CONTENT	NONE
SITE G B4 0-0.5"			SURFACE SOIL	GRAB	1 BAG	BULK DENSITY	
SITE G B1 0-0.5"			SURFACE SOIL	GRAB	1 BAG	SPECIFIC GRAVITY	
SITE G B2 0-0.5"			SURFACE SOIL	GRAB	1 BAG		
SITE M			SEDIMENT	GRAB	1 BOTTLE	GRAIN SIZE	
CREEK SECTOR C C-3			SEDIMENT	GRAB	1 BOTTLE	GRAIN SIZE	
CREEK SECTOR D D-2			SEDIMENT	GRAB	1 BOTTLE	GRAIN SIZE	
CREEK SECTOR B B-2			SEDIMENT	GRAB	1 BOTTLE	GRAIN SIZE	
CREEK SECTOR B B-1			SEDIMENT	GRAB	1 BOTTLE	GRAIN SIZE	
B B-3 DUP			SEDIMENT	GRAB	1 BOTTLE	GRAIN SIZE	
D D-3			SEDIMENT	GRAB	1 BOTTLE	GRAIN SIZE	

[1] Matrix = Ground water, surface water, sediment, biota [3] VOC - USEPA 8260, 8270, 6010 [2] Type = grab, composite

Relinquished by:	Date	Time	Received by:	Date	Time
of:			of:		
Relinquished by:	Date	Time	Received by:	Date	Time
of:			of:		
Relinquished by:	Date	Time	Received by:	Date	Time
of:			of:		
Use this space if shipped via courier (e.g., Fed Ex) Relinquished by: Dave Thompson	Date	Time	Courier Name and Airbill Number: FED EX 812789433572	Date	Time
of: OBRIEN & GERE	10/11/99	16:00	*Attach delivery/courier receipt to Chain of Custody		
Relinquished by:	Date	Time	Received by:	Date	Time
of:			of: THOMPSON ENGINEERING	10/12/99	1000

FedEx *USA Airbill* FedEx Tracking Number 812789433572

0200

1 From Please print and press hard

Date 10/11/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Alan Cook Phone (314) 842-4550

Company O'Brien & Gere Engineers

Address 5000 Cedar Plaza Parkway Suite 211 Dept./Floor/Suite/Room

City St. Louis State MO ZIP 63128

2 Your Internal Billing Reference First 24 characters will appear on invoice 2354B.020.005

3 To Recipient's Name Dale Nobles Phone (334) 666-2446

Company Thompson Engineering

Address 3707 Cottage Hill Road Dept./Floor/Suite/Room

We cannot deliver to PO boxes or PO ZIP codes

To "HOLD" at FedEx location, print FedEx address here

City Mobile State AL ZIP 36609

4a Express Package Service Packages up to 150 lbs. Delivery commitment may be later in some areas

- [ ] FedEx Priority Overnight — Next business morning
- [X] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One pound rate

4b Express Freight Service Packages over 150 lbs. Delivery commitment may be later in some areas

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg — Includes FedEx Box, FedEx Tube, and customer pkg

* Declared value limit $500

6 Special Handling

- [ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? One box must be checked

- [X] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging.

7 Payment Bill to: Enter FedEx Acct. No. or Credit Card No. below

- [X] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	87	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details

FedEx Use Only

8 Release Signature Sign to authorize delivery without obtaining signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims

360

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Questions? Call 1·800·Go·FedEx® (800-463-3339)
Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

Figure 1. *Example chain-of-custody*

Project Name: Support Sampling . Sauget Area 1 Site. Solutia Inc.
Job No [illegible]
Sheet 2 of 2

Office: [illegible]
ddress: [illegible]
Phone: [illegible]

CHAIN OF CUSTODY

Cooler Temperature _____

CLIENT: [illegible] LOCATION [illegible] Area 1	COLLECTED BY: [illegible] (Signature) [illegible]

SAMPLE DESCRIPTION/LOCATION	Date	Time	Sample Matrix[1]	Sample Type[2]	No. of Containers	ANALYSIS REQUESTED[3]	Sample Preservation
SITE I B1 (0'-0.5')	[illegible]		Soil	[illegible]	5 bags	Moisture Content	
SITE I B2 (0'-0.5')	[illegible]				5 bags	[illegible] Density	
SITE I B3 (0'-0.5')	[illegible]				5 bags	[illegible]	
SITE I B4 (0'-0.5')	[illegible]				1 bag		

[1] Matrix = Ground water, surface water, sediment, biota [3] VOC - USEPA 8260, 8270, 6010 [2] Type = grab, composite

Relinquished by: [illegible] of: [illegible]	Date	Time	Received by: [illegible] of:	Date	Time
	10/21/99	12:00		10/21/99	12:00
Relinquished by: _____ of: _____	Date	Time	Received by: _____ of: _____	Date	Time
Relinquished by: _____ of: _____	Date	Time	Received by: _____ of: _____	Date	Time
Use this space if shipped via courier (e.g., Fed Ex) Relinquished by: _____ of: _____	Date	Time	Courier Name and Airbill Number: _____ *Attach delivery/courier receipt to Chain of Custody	Date	Time
Relinquished by: _____ of: _____	Date	Time	Received by: _____ of: _____	Date	Time

UPS

Worldwide Olympic Partner

35 USC 380

RECEIVED FROM (T)

NAME: O'Brien & Gere Engineers

DATE: 10/21/99

STREET: 5000 Cedar Plaza Parkway

CITY: St. Louis STATE: MO ZIP CODE: 63128

TELEPHONE (H): ( )

TELEPHONE (W): (314) 842455C

CUSTOMER COUNTER SHIPPING RECORD

Questions?
www.ups.com
or
1-800-PICK-UPS

SHIPPER COMPLETE ALL INFORMATION SHOWN BELOW / A DUPLICATE ADDRESS LABEL SHOULD BE ENCLOSED IN EACH PACKAGE

FOR UPS USE ONLY

PACKAGE	SEND TO ADDRESS / LIST EACH PACKAGE SEPARATELY	C.O.D. AMOUNT	DECLARED VALUE*	UPS ZONE	TYPE CHARGE	SHIPPER NO. - PACKAGE ID # - CHARGES
1	NAME: Thompson Engineering Inc STREET: 3707 Cottage Hill Road CITY: Mobile, AL STATE: ZIP: 36609 PACKAGE CONTENTS: Soil	$	$		C.O.D. / EXCESS VALUATION / PACKAGE	AHC CHG 4.00 P#635 Z4 88.60 LB 43.95
2	NAME: Same STREET: CITY: STATE: ZIP: PACKAGE CONTENTS:		$		EXCESS VALUATION / PACKAGE	AHC CHG 4.00 P#636 Z4 89.08 LB 44.45
3	NAME: Same STREET: CITY: STATE: ZIP: PACKAGE CONTENTS:	$	$		C.O.D. / EXCESS VALUATION / PACKAGE	AHC CHG 4.00 P#637 Z4 89.78 LB 40.85 ** TOTAL ** CR 141.25 665X01 10/21/99 TRANS #3168 REG #2
4	NAME: STREET: CITY: STATE: ZIP: PACKAGE CONTENTS:		$		C.O.D. / EXCESS VALUATION / PACKAGE	

Ground Tracking Number 1Z 665 X01 03 1293 017 0

Ground Tracking Number 1Z 665 X01 03 1293 018 9

Ground Tracking Number 1Z 665 X01 03 1293 019 8

* Unless a greater value is declared in writing on this receipt, the shipper hereby declares and agrees that the released value of each package covered by this receipt is $100, which is a reasonable value under the circumstances surrounding the transportation, even in the event that the carrier repackages or assists the shipper in packaging a shipment. In addition, the maximum value or declared value per package is $50,000 and the maximum liability per package is $50,000. Claims not made to the carrier within 9 months of the scheduled delivery date are waived. The carrier shall not be liable for any special, incidental, or consequential damages.

The entry of a C.O.D. amount is not a declaration of value. All checks tendered in payment of C.O.D.'s will be accepted by UPS at shipper's risk.

All shipments are subject to the terms and conditions contained in the UPS tariff which is maintained at local UPS offices or at www.ups.com.

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United Parcel Service

SHIPPER RECEIPT - WHITE UPS COPY - CANARY

01122702 REV 9/98 (6MM 9/98) W

Figure 1. *Example chain-of-custody*

Project Name: Support Sampling . Sauget Area 1 Site. Solutia Inc.
Job No. 23548
Sheet 1 of 1

Office: O'Brien + Gere
Address: 12250 Weber Hill Rd., St. Louis, MO 63127
Phone: 314-842-4550

CHAIN OF CUSTODY

Cooler Temperature _____

CLIENT: Solutia, Inc.
LOCATION: Sauget Area 1

COLLECTED BY: (Signature) David E. Haverdink

SAMPLE DESCRIPTION/LOCATION	Date	Time	Sample Matrix[1]	Sample Type[2]	No. of Containers	ANALYSIS REQUESTED[3]	Sample Preservation
FASED-CSE-S21-0-28"	[redacted]		Sediment	Comp.	1	Grain Size	None
FASED-CSE-S22E-0-26"	[redacted]		↓	↓	↓	↓	↓
FASED-CSE-S23-0-23"	[redacted]		↓	↓	↓	↓	↓
FASED-CSE-S25W-0-29"	[redacted]		↓	↓	↓	↓	↓
SITE N B1	[redacted]		soil	↓	↓	(Bulk Density)	↓
SITE N B2	[redacted]		↓	↓	↓	(Moisture Content)	↓
SITE N B3	[redacted]		↓	↓	↓	(Specific Gravity)	↓
SITE N B4	[redacted]		↓	↓	↓	↓	↓
EE20-0-.5'	[redacted]		↓	↓	↓	↓	↓
~~[illegible]~~							

[1] Matrix = Ground water, surface water, sediment, biota [3] VOC - USEPA 8260, 8270, 6010 [2] Type = grab, composite

Relinquished by	Date	Time	Received by	Date	Time
David E. Haverdink of: O'Brien + Gere	17FEB00	1725	1261DX1605 10275725 of: UPS	2/17/00	1725
Relinquished by: of:			Received by: [illegible] of: THOMPSON ENGINEERING	2/24/00	1430
Relinquished by: of:			Received by: of:		
Use this space if shipped via courier (e.g., Fed Ex) Relinquished by: of:			Courier Name and Airbill Number: *Attach delivery/courier receipt to Chain of Custody		
Relinquished by: of:			Received by: of:		

Worldwide Olympic Partner

36 USC 380

RECEIVED FROM (PLEASE PRINT)

NAME: Nick Jenkins (client Gene)
DATE: 02/17/00
STREET: 12350 Weber Hill Road
CITY / STATE / ZIP CODE: St. Louis, MO. 63127
TELEPHONE (H): (618) 343-0158
TELEPHONE (W): (314) 542-4550

CUSTOMER COUNTER SHIPPING RECORD

Questions?
www.ups.com
or
1-800-PICK-UPS

SHIPPER COMPLETE ALL INFORMATION SHOWN BELOW / A DUPLICATE ADDRESS LABEL SHOULD BE ENCLOSED IN EACH PACKAGE

FOR UPS USE ONLY

SHIPPER NO. · PACKAGE ID # · CHARGES

PACKAGE	SEND TO ADDRESS / LIST EACH PACKAGE SEPARATELY	COD AMOUNT	DECLARED VALUE*	UPS ZONE	TYPE CHARGE
1	NAME: Thompson Engineering STREET: 3707 Cottage Hill Road CITY: Mobile STATE: AL ZIP: 36691 PACKAGE CONTENTS: Soil	$.	$.		C.O.D. EXCESS VALUATION PACKAGE
2	NAME: Same STREET: CITY: STATE: ZIP: PACKAGE CONTENTS:	$.	$.		C.O.D. EXCESS VALUATION PACKAGE
3	NAME: Same STREET: CITY: STATE: ZIP: PACKAGE CONTENTS:	$.	$.		C.O.D. EXCESS VALUATION PACKAGE
4	NAME: Same STREET: CITY: STATE: ZIP: PACKAGE CONTENTS:	$.	$.		C.O.D. EXCESS VALUATION PACKAGE

* Unless a greater value is declared in writing on this receipt, the shipper hereby declares and agrees that the released value of each package covered by this receipt is $100, which is a reasonable value under the circumstances surrounding the transportation, even in the event that the carrier repackages or assists the shipper in packaging a shipment. In addition, the maximum value or declared value per package is $50,000 and the maximum liability per package is $50,000. Claims not made to the carrier within 9 months of the scheduled delivery date are waived. The carrier shall not be liable for any special, incidental, or consequential damages.

The entry of a C.O.D. amount is not a declaration of value. All checks tendered in payment of C.O.D.s will be accepted by UPS at shipper's risk.

All shipments are subject to the terms and conditions contained in the UPS tariff which is maintained at local UPS offices or at www.ups.com

Thank You For Using
United Parcel Service

SHIPPER RECEIPT - WHITE UPS COPY - CANARY

DELIVERYTRAC TRACKING NUMBER
1Z 610 X16 08 1027 571 6

DELIVERYTRAC TRACKING NUMBER
1Z 610 X16 08 1027 572 5

DELIVERYTRAC TRACKING NUMBER
1Z 610 X16 08 1027 574 3

~~DELIVERYTRAC TRACKING NUMBER~~
~~1Z 610 X16 08 1027 576 2~~

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

[X] 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
[ ] 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
[ ] 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE: Solutia Savage Area 1
PROJECT NO: 325515
P.O. NUMBER: Direct Bill to Solutia
PROJECT/LOC. (State): TN
SAMPLER(s) NAME: Tony Fingle, Dave Alexander
PHONE: 317-842-4550
FAX: 317-842-3266
CLIENT NAME: Solutia
CLIENT PROJECT MANAGER: [illegible]
CLIENT ADDRESS (CITY, STATE, ZIP): 21 Lowe 1110

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMI-SOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc.)

REQUIRED ANALYSES: VOCs 524.2/8260B; SVOCs 8270; Metals; Cyanide; Sulfide; Phenols; PCBs; Pesticides; Herbicides; Volatile Organics

PAGE 1 OF 1

STANDARD REPORT DELIVERY [X]
EXPEDITED REPORT DELIVERY (surcharge) [ ]
Date Due

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMI-SOLID	AIR	NONAQUEOUS LIQUID	VOCs 524.2/8260B	SVOCs 8270	Metals	Cyanide	Sulfide	Phenols	PCBs	Pesticides	Herbicides	Volatile Organics	REMARKS
9/20/99	1100		WASTE-L-B1, 0-0.5 FT					✓	✓	✓	✓	✓	✓	✓	✓	✓		
9/20/99	1030		WASTE-L-B2, 0-0.5 FT					✓	✓	✓	✓	✓	✓	✓	✓	✓		
9/20/99	1115		WASTE-L-B3 0-0.5 FT					✓	✓	✓	✓	✓	✓	✓	✓	✓		
9/20/99	1135		WASTE-L-B4, 0-0.5 FT					✓	✓	✓	✓	✓	✓	✓	✓	✓		
			Trip Blank													✓		

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY (SIGNATURE)	DATE	TIME	RELINQUISHED BY (SIGNATURE)	DATE	TIME
Cheryl Strickland	9/16/99	1730	[illegible]	9/21/99	0700	[illegible]	9/21/99	1800

RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
[illegible]	9/16	1700	[illegible]	9/21/99	0700	FedX # 9155 1526 5817	9/21/99	1800

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			[ ] YES [ ] NO			

SDA11

FedEx *USA Airbill* FedEx Tracking Number 8155 1526 5817

Form I.D. No. 0215

1 From Please print and press hard

Date 9/27/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Alan Cook Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference First 24 characters will appear on invoice 23548.020.005

3 To Recipient's Name Betsy Beauchamp Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LA ROCHE AVE Dept./Floor/Suite/Room
We cannot deliver to PO boxes or PO ZIP codes

To "HOLD" at FedEx location, print FedEx address here

City SAVANNAH State GA ZIP 31404

NEW Peel and Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)
Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability

4a Express Package Service — **Packages up to 150 lbs.** Delivery commitment may be later in some areas

- [X] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One pound rate

4b Express Freight Service — **Packages over 150 lbs.** Delivery commitment may be later in some areas

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging — * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg — Includes FedEx Box, FedEx Tube, and customer pkg

6 Special Handling

- [ ] **Saturday Delivery** — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] **Sunday Delivery** — Available for FedEx Priority Overnight to select ZIP codes
- [ ] **HOLD Weekday at FedEx Location** — Not available with FedEx First Overnight
- [ ] **HOLD Saturday at FedEx Location** — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?

- [X] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice — UN 1845 ___ kg

Dangerous Goods cannot be shipped in FedEx packaging

[ ] Cargo Aircraft Only

7 Payment *Bill to:*

- [X] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	38	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details

FedEx Use Only

8 Release Signature Sign to authorize delivery without obtaining signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims

359

SAP B.N.-N.J. Date 11/95 - Part #1548135 - © 1994 W.E.F.E.X. - PRINTED IN U.S.A.

RETAIN THIS COPY FOR YOUR RECORDS

0111 362

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
[ ] 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
[ ] 100 Alpha Drive, Suite 110, Destrehan, LA 70047 Phone: (504) 764-1100 Fax: (504) 725-1163

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE: Solutia Sauget Area 1
PROJECT NO.: 23598
P.O. NUMBER: Direct [illegible] Solutia
PROJECT LOC. (State): IL
SAMPLER(s) NAME: Tony Fluck Dave [illegible]
PHONE: 314-842-4550
FAX: 314-842-3266
CLIENT NAME: Solutia
CLIENT PROJECT MANAGER: [illegible]
CLIENT ADDRESS (CITY, STATE, ZIP): St Louis, MO

PAGE 1 OF 1

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	VOCs 5035/8260B	SVOCs 8270C	Metals 6010B	Mercury 7471A	Cyanide 9010B/9012A	PCBs 8080	Pesticides 8081A	Herbicides 8151A	VOCs 8260B		REMARKS
9/27/99	1405		WASTE-H-B1, 0-0.5ft		✓			✓	✓	✓	✓	✓	✓	✓	✓			
9/27/99	1430		WASTE-H-B2, 0-0.5ft		✓			✓	✓	✓	✓	✓	✓	✓	✓			
9/27/99	1500		Waste-H-B3, 0-0.5ft		✓			✓	✓	✓	✓	✓	✓	✓	✓			
9/27/99	1530		Waste-H-B4, 0-0.5ft		✓			✓	✓	✓	✓	✓	✓	✓	✓			
9/27/99			TRIP Blank	✓												✓		

NUMBER OF CONTAINERS SUBMITTED

[X] STANDARD REPORT DELIVERY
[ ] EXPEDITED REPORT DELIVERY (surcharge)
Date Due

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
Cheryl Strickland	9/15/99	1730	[signature]	9/27/99	0700	[signature]	9/27/99	1800
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
[signature]	9/16/99	1200	[signature]	9/27/99	0700	FEDX # 8155 1526 5828	9/27/99	1800

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			[ ] YES [ ] NO			

SDA11

FedEx USA Airbill

FedEx Tracking Number 8155 1526 5828

Form I.D. No. 0215

1 From Please print and press hard

Date 9/27/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Alan Cork Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference First 24 characters will appear on invoice 23548.020.005

3 To

Recipient's Name Betsy Beauchamp Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LA ROCHE AVE Dept./Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes

To "HOLD" at FedEx location, print FedEx address here

City SAVANNAH State GA ZIP 31404

NEW Peel and Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability

4a Express Package Service — *Packages up to 150 lbs.* Delivery commitment may be later in some areas

- [X] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One pound rate

4b Express Freight Service — *Packages over 150 lbs.* Delivery commitment may be later in some areas

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging — * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg.

6 Special Handling

- [ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?

- [X] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging

7 Payment *Bill to:*

- [X] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	33	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details.

FedEx Use Only

8 Release Signature *Sign to authorize delivery without obtaining signature*

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

359

0111962862

SRP 899 · Rev. Date 11/98 · Part #1548135 · © 1994-98 FedEx · PRINTED IN U.S.A.

RETAIN THIS COPY FOR YOUR RECORDS

CHAIN OF CUSTODY SAMPLER'S SIGNATURE _____

CO.Name: Solutia/O'Brien & Gere
Contact Name: Kimberly Perry-Solutia
Alan Cork-O'Brien & Gere
Address: St. Louis, MO
Project Name: Sauget-Area 1
PO#: 23548
Phone #: ___/___/___

Total No. of Containers: 16

Analysis Wanted: Dioxin SW8280A

STA No.	Date	Time	Comp	Grab	Sample I.D.#	#of Cont.							Remarks
Site H	9/27/99	1405		✓	waste-H-B1 0-0.5	2							
Site H	9/27/99	1430		✓	waste-H-B2, 0-0.5	2							
Site H.	9/27/99	1500		✓	waste-H-B3 0-0.5	2							
Site H	9/27/99	1530		✓	waste-H-B4 0-0.5	2							
Site L	9/27/99	1135		✓	waste-L-B4 0-0.5	2							
Site L	9/27/99	1115		✓	waste-L-B3 0-0.5	2							
Site L	9/27/99	1030		✓	waste-L-B2 0-0.5	2							
Site L	9/27/99	1100		✓	waste-L-B1 0-0.5	2							

53A-14

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
[signature]	9/27/99 1800	Federal Express			
Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.

Received for Laboratory By/Signature	Date/Time	Send Samples To: Triangle Laboratories of RTP, Inc. 801 Capitola Drive Durham, North Carolina 27713

COC/DLH REVISION 5/23/94

Airbill # 8157 4792 0042

SDA21

FedEx *USA Airbill* FedEx Tracking Number 8157 4792 0042

Form I.D. No. 0215

1 From *Please print and press hard.*

Date 9/27/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Alan Cork Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference First 24 characters will appear on invoice 23SA8.020.005

3 To Recipient's Name Frank Stevens Phone (919) 544-5729

Company TRIANGLE LABORATORIES

Address 801 CAPITOLA DR Dept./Floor/Suite/Room

We cannot deliver to PO boxes or PO ZIP codes

To "HOLD" at FedEx location, print FedEx address here

City DURHAM State NC ZIP 27713

NEW Peel and Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

4a Express Package Service *Packages up to 150 lbs.* Delivery commitment may be later in some areas

- [X] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One pound rate

4b Express Freight Service *Packages over 150 lbs.* Delivery commitment may be later in some areas

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation.

5 Packaging * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg — Includes FedEx Box, FedEx Tube, and customer pkg

6 Special Handling

- [ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?

- [X] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ___ kg

Dangerous Goods cannot be shipped in FedEx packaging

- [ ] Cargo Aircraft Only

7 Payment *Bill to:*

- [X] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	21	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details.

FedEx Use Only

8 Release Signature *Sign to authorize delivery without obtaining signature*

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

359

0111963289

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RETAIN THIS COPY FOR YOUR RECORDS

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
☐ 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
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

PROJECT REFERENCE: Solutia Sauget Area 1
PROJECT NO.: 23548
PO NUMBER: Direct Bill to Solutia
PROJECT LOC. (State): IL
SAMPLER(s) NAME: TONY FINCH, DAVE HAVERDINK
PHONE: 314-842-4550
FAX: 314-842-3266
CLIENT NAME: Solutia
CLIENT PROJECT MANAGER: Kimberly Perry - Solutia
CLIENT ADDRESS (CITY, STATE, ZIP): St. Louis, MO

PAGE 1 OF 1

☒ STANDARD REPORT DELIVERY
☐ EXPEDITED REPORT DELIVERY (surcharge)
Date Due:

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: VOC 5035/8260B

X — ON ICE

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	NUMBER OF CONTAINERS SUBMITTED	REMARKS
9/28/99	1620		WASTE-L-B1 (12-14')		X			3	Encore samplers
9/28/99	—		Trip Blank	X				2-40ml	extract but
—	—		Temp Blank						hold for
									analysis
									until notified
									by O'Brien &
									Gere

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
Cheryl Strickland	9/15/99	1730	[signature]	9/28/99	0830	[signature]	9/28/99	1900
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
[signature]	9/17/99	1700	[signature]	9/28/99	0830	FedX #8155 1526 7327	9/28/99	1900

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			☐ YES ☐ NO			

CLIENTS FIELD COPY

SDA11

FedEx USA Airbill FedEx Tracking Number 8155 1526 7327

Form ID No. 0215

1 From Please print and press hard

Date 9/28/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name William E. Wright Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference
First 24 characters will appear on invoice

3 To Recipient's Name Betsy Beauchamp Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LA ROCHE AVE Dept./Floor/Suite/Room
We cannot deliver to PO boxes or PO ZIP codes.

To "HOLD" at FedEx location, print FedEx address here

City SAVANNAH State GA ZIP 31404

Questions? Call for application forms or call 1-800-463-3339

Questions? Call 1·800·Go·FedEx (800-463-3339)
Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

4a Express Package Service — **Packages up to 150 lbs.** Delivery commitment may be later in some areas

- [X] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One pound rate.

4b Express Freight Service — **Packages over 150 lbs.** Delivery commitment may be later in some areas

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation.

5 Package Profile — * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg — Includes FedEx Box, FedEx Tube, and customer pkg.

6 Special Handling

- [ ] **Saturday Delivery** — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] **Sunday Delivery** — Available for FedEx Priority Overnight to select ZIP codes
- [ ] **HOLD Weekday at FedEx Location** — Not available with FedEx First Overnight
- [ ] **HOLD Saturday at FedEx Location** — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?

- [X] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ___ kg

Dangerous Goods cannot be shipped in FedEx packaging.

- [ ] Cargo Aircraft Only

7 Payment **Bill to:**

- [X] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	10	$ 00

†Our liability is limited to $100 unless you declare a higher value. See back for details.

FedEx Use Only

8 Release Signature — Sign to authorize delivery without obtaining signature.

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

359

01119628862

RETAIN THIS COPY FOR YOUR RECORDS

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
☐ 900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6698
☐ 6712 Benjamin Road, Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

PROJECT REFERENCE: Solutia Sugget Area 1
PROJECT NO.: 23548
P.O. NUMBER: DIRECT BILL TO Solutia
PROJECT LOC. (State): IL
SAMPLER(s) NAME: TONY FINCH, DAVE HAVERSINK
PHONE: 314-842-9550
FAX: 314-842-3266
CLIENT NAME: SOLUTIA
CLIENT PROJECT MANAGER: KIMBERLY PERRY - Solutia
CLIENT ADDRESS (CITY, STATE, ZIP): ST LOUIS, MO

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: TCLP VOCs 5035/8260B; TCLP SVOCs 8270C; TCLP Metals 6010B; TCLP Mercury 7471A; TCLP Cyanide 9010B; TCLP Pesticides 8081A; TCLP Herbicides 8151A; Ignitability 1010; Corrosivity 1110; Reactivity 9014

PAGE 1 OF 1

☒ STANDARD REPORT DELIVERY
☐ EXPEDITED REPORT DELIVERY (surcharge)
Date Due:

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (oil, solvent, etc)	TCLP VOCs 5035/8260B	TCLP SVOCs 8270C	TCLP Metals 6010B	TCLP Mercury 7471A	TCLP Cyanide 9010B	TCLP Pesticides 8081A	TCLP Herbicides 8151A	Ignitability 1010	Corrosivity 1110	Reactivity 9014	REMARKS
9/21/99	1245		WASTE - L - B1 - Comp.		X			X	X	X	X	X	X	X	X	X		1 - 12 [illegible]
9/21/99	1450		WASTE - L - B2 - Comp.		X			X	X	X	X	X	X	X	X	X		4 - 250ml [illegible]
9/21/99	1400		WASTE - L - B2 (0-2')		X			X (3 Encore)										1 - [illegible]
9/21/99	—		Trip Blank	X														
9/24/99	—		Temp. Blank	X														

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
Cheryl Strickland	9/15/99	1730	[signature]	9/24/99	0800	[signature]	9/29/99	1800
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
[signature]	9/17/99	1700	[signature]	9/24/99	0800	FEDEX 815515267316	9/29/99	1800

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			☐ YES ☐ NO			

FedEx *USA Airbill* FedEx Tracking Number 8155 1526 7316

SDA11

Form I.D. No. 0215

1 From *Please print and press hard*

Date 9/29/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Bill Wright Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference
First 24 characters will appear on invoice

3 To

Recipient's Name BETSY BEAUCHAMP Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LA ROCHE AVE Dept./Floor/Suite/Room
We cannot deliver to P.O. Boxes or P.O. ZIP Codes

To "HOLD" at FedEx location, print FedEx address here.

City SAVANNAH State GA ZIP 31404

NEW Peel and Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

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- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

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- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [x] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg.

6 Special Handling

- [ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?

- [x] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging

7 Payment *Bill to:*

- [x] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	34	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details.

FedEx Use Only

8 Release Signature *Sign to authorize delivery without obtaining signature.*

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

359

0111962862

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RETAIN THIS COPY FOR YOUR RECORDS

CHAIN OF CUSTODY SAMPLER'S SIGNATURE [signature]

CO.Name: Solutia/O'Brien & Gere Contact Name: Kimberly Perry-Solutia

Address: St. Louis, MO Project Name: Solutia Sauget Area 1

PO#:

Phone #: 3148424550

Total No. of Containers: 3

Analysis Wanted: 1. Dioxin, TCLP Method 8280A

STA No.	Date	Time	Comp	Grab	Sample I.D.#	#of Cont.	1.						Remarks
Site L	9/29/99	1245	X		WASTE-~~M~~L-B1	1	✓						
Site L	9/29/99	1450	X		WASTE-~~M~~L-B2	2	✓						
					~~M~~L 10/4/99								
													Airbill #: 815747920031

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
[signature]	9/29/99 1800	Federal Express			
Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.

Received for Laboratory By/Signature	Date/Time	Send Samples To: Triangle Laboratories of RTP, Inc. 801 Capitola Drive Durham, North Carolina 27713

53A-20

COC/DLH REVISION 5/23/94

FedEx USA Airbill FedEx Tracking Number 8157 4792 0031

SDA21

Form I.D. No. 0215

1 From Please print and press hard

Date 9/29/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Tony Finch Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference
First 24 characters will appear on invoice

3 To

Recipient's Name Frank Stevens Phone ( )

Company TRIANGLE LABORATORIES

Address 801 CAPITOLA DR Dept./Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes

"HOLD" at FedEx location, print FedEx address here

City DURHAM State NC ZIP 27713

NEW PRINTING (ICS FedEx USA Airbill)

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability

0111963289

4a Express Package Service — *Packages up to 150 lbs.* Delivery commitment may be later in some areas.

- [X] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One pound rate

4b Express Freight Service — *Packages over 150 lbs.* Delivery commitment may be later in some areas

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging — * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg — Includes FedEx Box, FedEx Tube, and customer pkg

6 Special Handling

- [ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?

- [X] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ___ x ___ kg
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging

7 Payment *Bill to:*

- [X] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	10	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details

FedEx Use Only

8 Release Signature Sign to authorize delivery without obtaining signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims

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SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

...2 LaRoche Avenue, Savannah, GA 31404 Phone: (912) 354-7858 Fax: , 352-0165
☐ 2846 Industrial Plaza Drive, Tallahassee, FL 32301 Phone: (904) 878-3994 Fax: (904) 878-9504
☐ 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
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 Phone: (504) 764-1100 Fax: (504) 725-1163

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE: Solutia Sauget Areal
PROJECT NO.: 23548
PO NUMBER: Direct Bill to Solutia
PAGE 1 OF 1
PROJECT LOC. (State): IL
SAMPLER(s) NAME: TONY FINCH/DAVE HAVERLINK
PHONE: 314-842-4550
FAX: 314-842-3266
CLIENT NAME: Solutia
CLIENT PROJECT MANAGER: Kimberly Perry - Solutia
CLIENT ADDRESS (CITY, STATE, ZIP): St. Louis, MO

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: TCLP VOCs 8260B; TCLP SVOCs 8270C; TCLP METALS 6010B; TCLP MERCURY 7471A; TCLP CYANIDE 9010B; TCLP PIPS 600; TCLP PESTICIDES 8081A; TCLP HERBICIDES 8151A; IGNITABILITY 1010/1020A; CORROSIVITY 1110; REACTIVITY 9014

← COOLED ON ICE →

☒ STANDARD REPORT DELIVERY
☐ EXPEDITED REPORT DELIVERY (surcharge)
Date Due

NUMBER OF CONTAINERS SUBMITTED

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	TCLP VOCs 8260B	TCLP SVOCs 8270C	TCLP METALS 6010B	TCLP MERCURY 7471A	TCLP CYANIDE 9010B	TCLP PIPS 600	TCLP PESTICIDES 8081A	TCLP HERBICIDES 8151A	IGNITABILITY 1010/1020A	CORROSIVITY 1110	REACTIVITY 9014	REMARKS
9/30/99	0930		WASTE - L - B3 - comp		X			X	X	X	X	X	X	X	X	X	X	X	1-125ml amber glass
1/30/99	1045		WASTE - L - B4 - comp		X			X	X	X	X	X	X	X	X	X	X	X	4-250ml poly
1/30/99	1000		WASTE - L - B4 - (0-2')		X			3-encores											1-500ml glass
9/30/99	0900		WASTE - L - B3 - (0-2')		X			3-encores											
1/30/99	—		Trip Blank	X				X											
9/30/99	—		Temp. Blank	X															

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
Cheryl Strickland	9/15/99	1730	[signature]	9/30/99	0800	[signature]	9/30/99	1630
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
[signature]	9/17/99	1700	[signature]	9/30/99	0800	FEDEX # 815515265839	9/30/99	1630

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			☐ YES ☐ NO			

CLIENTS FIELD COPY

FedEx USA Airbill 8155 1586 5[illegible]

Sender's Copy

1 From Please print and press hard.

Date 9/30/99

Sender's FedEx Account Number 1187-7587-3

Sender's Name Bill WRIGHT

Phone 314-842-4[illegible]

Company O'BRIEN & GERE

Address 8000 CEDAR PLAZA PKWY STE 21[illegible]

City SAINT LOUIS

2 Your Internal Billing Reference OPTIONAL

3 To Recipient's Name BETSY BEAUCHAMP

Phone 912 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LA ROCHE AVE

We cannot deliver to PO boxes or PO ZIP codes

Dept./Floor/Suite/Room

To "HOLD" at FedEx location, print FedEx address here.

City SAVANNAH State GA ZIP 31404

NEW Peel and Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

Does this shipment contain dangerous goods? One box must be checked.

[X] No ☐ Yes As per attached Shipper's Declaration ☐ Yes Shipper's Declaration not required ☐ Dry Ice Dry Ice, 9, UN 1845 ___ x ___ kg

Dangerous Goods cannot be shipped in FedEx packaging. ☐ Cargo Aircraft Only

7 Payment Bill to: Enter FedEx Acct No. or Credit Card No. below

[X] Sender Acct. No. in Section 1 will be billed. ☐ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check

FedEx Acct No. Credit Card No. Exp. Date

Total Packages 1 Total Weight 27 Total Declared Value† $ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details. FedEx Use Only

8 Release Signature Sign to authorize delivery without obtaining signature.

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

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0111962862

359

COPY FOR YOUR RECORDS

CHAIN OF CUSTODY SAMPLER'S SIGNATURE [signature]

CO.Name: Solutia / O'Brien + Gere Contact Name: Kimberly Perry - Solutia

Address: St. Louis, MO Project Name: Solutia Sauget Area 1

PO#: Direct Bill to Solutia

Phone #: 314 / 842 / 4550

Total No. of Containers: 2

1.) Analysis Wanted: TCLP DIOXINS 8280A

STA No.	Date	Time	Comp	Grab	Sample I.D.#	#of Cont.	1.						Remarks
SITE L	9/30/99	0930	X		WASTE-L-B3-COMP	1	X						
SITE L	9/30/99	1045	X		WASTE-L-B4-COMP	1	X						
													FEDEX # 81574791 9531

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
[signature]	9/30/99 1630	FEDEX			
Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.

Received for Laboratory By/Signature	Date/Time	Send Samples To: Triangle Laboratories of RTP, Inc. 801 Capitola Drive Durham, North Carolina 27713

53A-24

SDA21

FedEx USA Airbill FedEx Tracking Number 8157 4791 9531

Form I.D. No. 0215

1 From Please print and press hard.

Date 9/30/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Bill Wright Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference
First 24 characters will appear on invoice

3 To

Recipient's Name Frank Stevens Phone ( )

Company TRIANGLE LABORATORIES

Address 801 CAPITOLA DR
We cannot deliver to PO boxes or PO ZIP codes Dept./Floor/Suite/Room

To "HOLD" at FedEx location, print FedEx address here.

City DURHAM State NC ZIP 27713

NEW PAK HAPPY HOLIDAYS USA AIRBILL

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)
Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

0111963289

4a Express Package Service — *Packages up to 150 lbs.* Delivery commitment may be later in some areas

- [X] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge. One pound rate

4b Express Freight Service — *Packages over 150 lbs.* Delivery commitment may be later in some areas

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg

6 Special Handling

- [ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?

- [X] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ___ x ___ kg
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging

7 Payment *Bill to:*

- [X] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	13	$ 00

†Our liability is limited to $100 unless you declare a higher value. See back for details. FedEx Use Only

8 Release Signature Sign to authorize delivery without obtaining signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

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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
☐ 2846 Industrial Plaza Drive, Tallahassee, FL 32301 — Phone: (904) 878-3994 — Fax: (904) 878-9504
☐ 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
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

PROJECT REFERENCE: Solutia Sauget Area 1
PROJECT NO.: 23518
P.O. NUMBER: Direct Bill to Solutia
PAGE 1 OF 1

PROJECT LOC. (State): IL
SAMPLER(s) NAME: Tony Finch, Dave Havendink
PHONE: (314) 812-1550
FAX: (314) 812-3266

CLIENT NAME: Solutia
CLIENT PROJECT MANAGER: Kimberly Perry Solutia
CLIENT ADDRESS (CITY, STATE, ZIP): St. Louis Mo

☒ STANDARD REPORT DELIVERY
☐ EXPEDITED REPORT DELIVERY (surcharge)
Date Due:

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES — NUMBER OF CONTAINERS SUBMITTED

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	TCLP VOCs 8260B	TCLP SVOCs 8270C	TCLP Metals & Hg 6010B/7471A	Cyanide 9010B	PCBs 680	TCLP Pesticides 8081A	TCLP Herbicides 8151A	Ignitability 1010/1020A	Corrosivity 1110	Reactivity 9014	pH, % Solids	REMARKS
10/1/99	0920		WASTE-H-B1-COMP		X				1	1	1	1	1	1	1	1	1		SVOCs, PCBs, Pests & Herbs Same Container
10/1/99	0845		WASTE-H-B1 (4-6')		X			3 Encores											
10/1/99	1410		WASTE-H-B2 Comp		X				1	1	1	1	1	1	1	1	1		SVOCs, PCBs, Pests & Herbs Same Container
10/1/99	1410		WASTE-H-B2 Comp MS/MSD		X				1	1	1	1	1	1			1		SVOCs, PCBs, Pests & Herbs Same Container
10/1/99	1320		WASTE-H-B2 (4-6')		X			1									1		
10/1/99	—		Trip Blank	X				3											
10/1/99	—		Temp Blank	X															
10/1/99	1320		WASTE-H-B2 (4-6') MS/MSD		X			2									1		

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
Cheryl Strickland	9/15/99	1730	[signature]	10/1/99	0800			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
[signature]	9/17/99	1700				FedX # 815515265810	10/1/99	1700

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS
			☐ YES ☐ NO			

CLIENTS FIELD COPY

53A-26

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: (954) 421-7400 — Fax: (954) 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
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Solid Waste Area 1	23548	Direct Bill to Solutia

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
IL	Tony Finch [illegible]	(314) 542 [illegible]	(314) 542 [illegible]

CLIENT NAME	CLIENT PROJECT MANAGER
Solutia	[illegible]

CLIENT ADDRESS (CITY, STATE, ZIP): St Louis MO

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: VOCs (5035/5200B)

PAGE 1 OF 1

☒ STANDARD REPORT DELIVERY

☐ EXPEDITED REPORT DELIVERY (surcharge)

Date Due

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	NUMBER OF CONTAINERS SUBMITTED	REMARKS
10/1/99	1515		WASTE-H-B4 (0-0.5') MS/MSD		X			3 Encores	

RELINQUISHED BY: (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
			Fed X # 815515265510	10/1/99	1700			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			☐ YES ☐ NO			

53A-27

SDA11

FedEx USA Airbill

FedEx Tracking Number 8155 1526 5840

Form I.D. No. 0215

1 From Please print and press hard

Date 10/1/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Alan Cork Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference
First 24 characters will appear on invoice

3 To

Recipient's Name Betsy Beauchamp Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LA ROCHE AVE Dept./Floor/Suite/Room
We cannot deliver to P.O. Boxes or P.O. ZIP codes

To "HOLD" at FedEx location, print FedEx address here.

City SAVANNAH State GA ZIP 31404

NEW Peel and Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

4a Express Package Service — Packages up to 150 lbs. Delivery commitment may be later in some areas

- [X] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One pound rate

4b Express Freight Service — Packages over 150 lbs. Delivery commitment may be later in some areas

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging — * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg — Includes FedEx Box, FedEx Tube, and customer pkg

6 Special Handling

- [ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?

- [X] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging

7 Payment Bill to:

- [X] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	33	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details.

FedEx Use Only

8 Release Signature Sign to authorize delivery without obtaining signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

359

0111962862

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RETAIN THIS COPY FOR YOUR RECORDS

CHAIN OF CUSTODY

SAMPLER'S SIGNATURE [signature]

CO.Name: Solutia

Contact Name: Kimberly Perry

Address: St Louis, MO

Project Name: Solutia Sauget Area 1

PO#: Direct Bill to Solutia

Phone #: 314 / 842 / 4556

Total No. of Containers: 5

Analysis Wanted: 1. TCLP Dioxins 8280A

STA No.	Date	Time	Comp	Grab	Sample I.D.#	#of Cont.	1.						Remarks
Site H	10/1/99	0920	X		Waste-H-B1-Comp	1-16oz	X						
Site H	10/1/99	1410	X		Waste-H-B2-Comp	2-4oz	X						
Site H	10/1/99	1410	X		Waste-H-B2 Comp MS/MSD	2-4oz	X						

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
[signature]	1700	10/1/99 1700 FedX # 8157 4791 9542			
Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.

Received for Laboratory By/Signature	Date/Time	Send Samples To: Triangle Laboratories of RTP, Inc. 801 Capitola Drive Durham, North Carolina 27713

COC/DLH REVISION 5/23/94

SDA21

FedEx *USA Airbill* FedEx Tracking Number 8157 4791 9542

Form I.D. No. 0215

1 From Please print and press hard

Date 10/1/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Alan Cork Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference First 24 characters will appear on invoice

3 To

Recipient's Name Frank Stevens Phone ( )

Company TRIANGLE LABORATORIES

Address 801 CAPITOLA DR Dept./Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes

To "HOLD" at FedEx location, print FedEx address here

City DURHAM State NC ZIP 27713

NEW Peel and Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability

0111963289

4a Express Package Service *Packages up to 150 lbs.* Delivery commitment may be later in some areas

- [X] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One pound rate

4b Express Freight Service *Packages over 150 lbs.* Delivery commitment may be later in some areas

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg — Includes FedEx Box, FedEx Tube, and customer pkg

6 Special Handling

- [ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? (One box must be checked)

- [X] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous Goods cannot be shipped in FedEx packaging

- [ ] Cargo Aircraft Only

7 Payment Bill to: (Enter FedEx Acct. No. or Credit Card No. below)

- [X] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	70	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details

FedEx Use Only

8 Release Signature Sign to authorize delivery without obtaining signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

359

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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
☐ 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
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE	PROJECT NO	PO NUMBER
Solutia Sauget Area	23548	Direct Bill to Solutia

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE
IL	Terry Fuell / Dave Rohrbach	314-842-4550
		FAX 314-842-3260

CLIENT NAME	CLIENT PROJECT MANAGER
Solutia	Kimberly Terry Solutia

CLIENT ADDRESS (CITY, STATE, ZIP): St. Louis, MO

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: TCLP Metals 6010/7470A; TCLP Volatiles 8260; TCLP Semivolatiles 8270; TCLP Pesticides 8081; TCLP Herbicides 8151A; Ignitability 1010/1020A; Reactivity 7.3.4; Corrosivity 9040

PAGE / OF

☒ STANDARD REPORT DELIVERY
☐ EXPEDITED REPORT DELIVERY (surcharge)
Date Due

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	TCLP Metals 6010/7470A	TCLP Semivolatiles 8270	TCLP Pesticides 8081	TCLP Herbicides 8151A	TCLP Volatiles 8260	Ignitability 1010/1020A	Reactivity 7.3.4	Corrosivity 9040	REMARKS
								Cool on ice								
10/4/99	1020		Waste - H - B3 - Comp		✓			X	X	X	X	X	X	X	X	1-125 ml
10/4/99	1515		Waste - H - B4 - Comp		✓			X	X	X	X	X	X	X	X	4-2 oz. poly
10/4/99	1430		Waste - H - B4 (14-16')		✓		2-4 oz									1-500 ml glass
10/4/99	1050		Waste - H - B3 (2-4')		✓		2-4 oz									
10/4/99	—		Trip Blank				2-40 ml									
10/4/99	—		Temp Blank													

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
Neal Strickland	9/1/11	1730				[signature]	10/4/99	1715

RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
			[signature]	10/4/99	0800	Fedex #8155 1526 5850	10/4/99	1715

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			☐ YES ☐ NO			

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
☐ 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
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 Phone: (504) 764-1100 Fax: (504) 725-1163

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE: Solutia, Inc. Area 1 (SAUGET)	PROJECT NO.: 23548	PO NUMBER: Direct Bill to Solutia
PROJECT LOC. (State): IL	SAMPLER(s) NAME: TONY FINCH / DAVE HAVERDINK	PHONE: 314-842-4550 / FAX: 314-842-3266
CLIENT NAME: Solutia	CLIENT PROJECT MANAGER: Kimberly Ferry - Solutia	
CLIENT ADDRESS (CITY, STATE, ZIP): St. Louis, MO		

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: TCLP VOCs 5035/8260B

← COOLED ON ICE

PAGE 1 OF 1

☒ STANDARD REPORT DELIVERY
☐ EXPEDITED REPORT DELIVERY (surcharge)
Date Due

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	NUMBER OF CONTAINERS SUBMITTED	REMARKS
10/4/99	1605		WASTE - H - B4 (0-0.5) MS/MSD					3 [illegible]	

53A-32

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
Cheryl Strickland	9/15/99	1730	[illegible]	[illegible]	[illegible]	[signature]	10/4/99	1715
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
[illegible]	[illegible]	[illegible]	[signature]	10/4/99	0800	FEDEX #8155 1526 5050	10/4/99	1715

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			☐ YES ☐ NO			

SDA11

FedEx *USA Airbill* FedEx Tracking Number 8155 1526 5850

Form I.D. No. 0215

1 From Please print and press hard

Date 10/4/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Tony Finch Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference First 24 characters will appear on invoice 23548. Waste Burings

3 To

Recipient's Name Betsy Beauchamp Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LA ROCHE AVE Dept./Floor/Suite/Room

We cannot deliver to PO boxes or PO ZIP codes

To "HOLD" at FedEx location, print FedEx address here

City SAVANNAH State GA ZIP 31404

NEW PARTNERSHIP FOR YOUR SHIPMENT

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability

4a Express Service — **Packages up to 150 lbs.** Delivery commitment may be later in some areas

- [X] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge. One pound rate

4b Express Service — **Packages over 150 lbs.** Delivery commitment may be later in some areas

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging — * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg — Includes FedEx Box, FedEx Tube, and customer pkg

6 Special Handling

- [ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?

- [X] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 x kg
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging

7 Payment **Bill to:**

- [X] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	27	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details

FedEx Use Only

8 Release Signature — Sign to authorize delivery without obtaining signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims

359

0111962862

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SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

[X] 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: (954) 421-7400 — Fax: (954) 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
[ ] 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

PROJECT REFERENCE: Solutia Sauget Area 1
PROJECT NO.: 23548
P.O. NUMBER: Direct Bill to Solutia
PROJECT LOC. (State): IL
SAMPLER(s) NAME: Tony Finch / Dave Hayerlink
PHONE: 314-842-4550
FAX: 314-842-3266
CLIENT NAME: Solutia
CLIENT PROJECT MANAGER: Kimberly Perry - Solutia
CLIENT ADDRESS (CITY, STATE, ZIP): St. Louis, MO

PAGE 1 OF 1

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: TCLP VOCs 5035/8260B; TCLP SVOCs 8270C; TCLP METALS 6010B; TCLP MERCURY 7471A; TCLP CYANIDE 9010B; TCLP PCBs 680; TCLP PESTICIDES 8081A; TCLP HERBICIDES 8151A; IGNITABILITY 1010/1020A; CORROSIVITY 1110; REACTIVITY 9014

← Cooled on ice →

[X] STANDARD REPORT DELIVERY
[ ] EXPEDITED REPORT DELIVERY (surcharge)
Date Due

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	TCLP VOCs 5035/8260B	TCLP SVOCs 8270C	TCLP METALS 6010B	TCLP MERCURY 7471A	TCLP CYANIDE 9010B	TCLP PCBs 680	TCLP PESTICIDES 8081A	TCLP HERBICIDES 8151A	IGNITABILITY 1010/1020A	CORROSIVITY 1110	REACTIVITY 9014	REMARKS
10/5/99	[illegible]		Waste at B2A [illegible]		X				X	X	X	X	X	X	X	X	X	X	1 [illegible]
10/5/99	1200		Waste at B2A (4 [illegible])		X			1 [illegible]											4 [illegible]
10/5/99	-		Trip Blank					3											1 [illegible]
-	-		Trip Blank					1											1 - 8oz.

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	10/5/99		[signature]	10/5/99	0800	[signature]	10/5/99	1700
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
[signature]	10/5/99		[signature]	10/5/99	0800	Fedex #8155 1526 5909	10/5/99	1700

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			[ ] YES [ ] NO			

FedEx *USA Airbill* FedEx Tracking Number 8155 1526 5909

Form I.D. No. 0215 BDA11

1 From Please print and press hard

Date 10/5/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Tony Finch Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference First 24 characters will appear on invoice 23548 Waste Burings

3 To Recipient's Name Betsy Beauchamp Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LA ROCHE AVE Dept./Floor/Suite/Room

We cannot deliver to PO boxes or PO ZIP codes

To "HOLD" at FedEx location print FedEx address here

City SAVANNAH State GA ZIP 31404

See back for application instructions

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability

0111962862

4a Express Package Service — *Packages up to 150 lbs.* Delivery commitment may be later in some areas

- [X] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge. One-pound rate

4b Express Freight Service — *Packages over 150 lbs.* Delivery commitment may be later in some areas

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging — * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg.

6 Special Handling

- [ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?

- [X] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ___ x ___ kg
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging

7 Payment *Bill to:*

- [X] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1		$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details. FedEx Use Only

8 Release Signature — *Sign to authorize delivery without obtaining signature*

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims

359

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CHAIN OF CUSTODY SAMPLER'S SIGNATURE

.Name: Solutia / O'Brien + Gere Contact Name: Kimberly Perry - Solutia

:dress: St. Louis, MO Project Name: Solutia Sauget Areal

PO#: Direct Bill to Solutia

Phone #: 314 / 842 / 4550

Total No. of Containers: 3

Analysis Wanted: 1. TCLP Dioxins 8290A

. No.	Date	Time	Comp	Grab	Sample I.D.#	#of Cont.	1.						Remarks
TE H	10/5/99	1200	X		WASTE-H-B2A comp	1							
SITE H	10/5/99	1700		X	WASTE-H-EB	2							EQUIPMENT BLANK O
													FEDEX # 8157 4791 9564

nquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
[signature]	10/5/99 1700	FEDEX			
nquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.

:elved for Laboratory By/Signature	Date/Time	Send Samples To: Triangle Laboratories of RTP, Inc. 801 Capitola Drive Durham, North Carolina 27713
[signature]	10/6/99 10:00	

COC/DLH REVISION 5/23/94

53A-38

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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: (954) 421-7400 — Fax: (954) 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
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Solutia, Sauget Area	23548	Direct Bill to Solutia

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
IL	TONY FINCH / DAVE HAUTERDIC	314-842-4550	314-842-3266

CLIENT NAME	CLIENT PROJECT MANAGER
Solutia	Kimberly Perry - Solutia

CLIENT ADDRESS (CITY, STATE, ZIP): St. Louis, MO

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: VOCs 8033/8260B; SVOCs 8270C; Metals 6010B; Mercury 7471A; Cyanide 9010B; TCLP 1311 Pesticides 8081A; Herbicides 8151A

PAGE 1 OF 1

☒ STANDARD REPORT DELIVERY

☐ EXPEDITED REPORT DELIVERY (surcharge)

Date Due:

Cool to 4°C on ICE

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	VOCs 8033/8260B	SVOCs 8270C	Metals 6010B	Mercury 7471A	Cyanide 9010B	TCLP 1311 Pesticides 8081A	Herbicides 8151A				REMARKS
10/6/99	1530		WASTE - G - B1 (0-0.5')		X		3	X	1	1	X	X						SVOCs, Metals,
10/6/99	1600		WASTE - G - B2 (0-0.5')		X		3	X	1	1	X	X						Pesticides in
—	—		WASTE - G - B1 (0-0.5') DUP		X		3	X	1	1	X	X						1 jar - 500ml
10/6/99	—		Trip Blank	X			3-4											glass
—	—		Trip Blank	X														

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	10/6/99	1715						
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
FEDEX # 8155 1526 6055	10/6/99	1715						

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			☐ YES ☐ NO			

CLIENTS FIELD COPY

53A-41

FedEx USA Airbill FedEx Tracking Number 8155 1526 6055

SDA11

Form I.D. No. 0215

1 From Please print and press hard

Date 10/6/94 Sender's FedEx Account Number 1187-9587-3

Sender's Name Alan Cook Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference First 24 characters will appear on invoice 23548. Waste Boys

3 To

Recipient's Name Betsy Beauchamp Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LA ROCHE AVE Dept./Floor/Suite/Room

We cannot deliver to PO boxes or PO ZIP codes

To "HOLD" at FedEx location, print FedEx address here

City SAVANNAH State GA ZIP 31404

NEW Pool and Alex FedEx USA Airbill

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

0111962862

4a Express Package Service — *Packages up to 150 lbs.* Delivery commitment may be later in some areas

- [X] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge. One pound rate

4b Express Freight Service — *Packages over 150 lbs.* Delivery commitment may be later in some areas

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg — Includes FedEx Box, FedEx Tube, and customer pkg

6 Special Handling

- [ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?

- [X] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ___ x ___ kg
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging

7 Payment *Bill to:*

- [X] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	27	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details.

FedEx Use Only

8 Release Signature Sign to authorize delivery without obtaining signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims

359

SRP 899 - Rev. Date 11/98 - Part # 1548135 - © 1994-98 FedEx - PRINTED IN U.S.A.

RETAIN THIS COPY FOR YOUR RECORDS

CHAIN OF CUSTODY

SAMPLER'S SIGNATURE

CO.Name: Solutia Superfund Area 1

Contact Name: Kimberly Perry

Address: St. Louis, MO

Project Name: Solutia Superfund Area 1

PO#: Direct Bill to Solutia

Phone #: 314 / 842 / 4550

Total No. of Containers: 9

Analysis Wanted
1. DIOXINS 8280A
2. DIOXINS 8290

STA No.	Date	Time	Comp	Grab	Sample I.D.#	#of Cont.	1.							Remarks
SITE G	10/6/99	1530		X	WASTE-G-B1-(0-0.5)	1	X							
SITE G	10/6/99	1600		X	WASTE-G-B2-(0-0.5)	1	X							
SITE G	—	—		X	WASTE-G-B1 (0-0.5) DUP	1	X							
Dead Creek Seg D STA1	10/6/99	1410		X	SW-CSD-S1	2		X						
Barnes Pit Lake STA3	10/6/99	1030		X	SW-BPL-S3	2		X						
Dead Creek Seg D STA1	10/6/99	1430		X	SW-CSD-S1-FD	2		X						
														FedEx # 8157 4791 9623

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
	10/6/99 1700	FedEx			
Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.

Received for Laboratory By/Signature	Date/Time	Send Samples To: Triangle Laboratories of RTP, Inc. 801 Capitola Drive Durham, North Carolina 27713

COC/DLH

REVISION 5/23/94

FedEx *USA Airbill* FedEx Tracking Number 8157 4791 9623

8DA21

Form I.D. No. 0215

1 From Please print and press hard

Date 10/6/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Alan Cook Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference First 24 characters will appear on invoice 23548.020.005

3 To Recipient's Name Frank Stevens Phone ( )

Company TRIANGLE LABORATORIES

Address 801 CAPITOLA DR Dept./Floor/Suite/Room

We cannot deliver to PO boxes or PO ZIP codes

To "HOLD" at FedEx location, print FedEx address here

City DURHAM State NC ZIP 27713

NEW Peel and Stick FedEx USA Airbill

See back for application instructions

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability

0111963289

4a Express Package Service *Packages up to 150 lbs.* Delivery commitment may be later in some areas

- [X] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One-pound rate

4b Express Freight Service *Packages over 150 lbs.* Delivery commitment may be later in some areas

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg — Includes FedEx Box, FedEx Tube, and customer pkg

6 Special Handling

- [ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?

- [X] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 x ___ kg
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging

7 Payment *Bill to:*

- [X] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	44	$ 00

†Our liability is limited to $100 unless you declare a higher value. See back for details

FedEx Use Only

8 Release Signature Sign to authorize delivery without obtaining signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims

359

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RETAIN THIS COPY FOR YOUR RECORDS

Serial Number 13 13

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

[X] 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: (954) 421-7400 — Fax: (954) 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
[ ] 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Solutia Sauget Area	23548	Direct Bill to Solutia

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
IL	TONY FINELLI / DANE HAUNDERINK	314-342-4550	314-842-3216

CLIENT NAME	CLIENT PROJECT MANAGER
Solutia	Kimberly Riley - Solutia

CLIENT ADDRESS (CITY, STATE, ZIP): St. Louis, MO

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: VOCs 5035/8260B; SVOCs 8270C; PESTICIDES 8081A; HERBICIDES 8151A; PCBs 8080; METALS 6010B; MERCURY 7471A; CYANIDE 9010B

PAGE 1 OF 1

[X] STANDARD REPORT DELIVERY
[ ] EXPEDITED REPORT DELIVERY (surcharge)
Date Due:

— Call for pick —

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	VOCs 5035/8260B	SVOCs 8270C	PESTICIDES 8081A	HERBICIDES 8151A	PCBs 8080	METALS 6010B	MERCURY 7471A	CYANIDE 9010B	REMARKS
10/7/99	1330		WASTE-G-B3-(0-0.5)		X		3		1		-1	1				
10/7/99	1535		WASTE-G-B4-(0-0.5)		X		3		1		1	1				
10/7/99	—		Trip Blank	X			3									
10/7/99	-		Temp Blank													

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY (SIGNATURE)	DATE	TIME	RELINQUISHED BY (SIGNATURE)	DATE	TIME
[signature]	10/7/99	1800						
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
Fedex # 8155 1526 6103	10/7/99	1800						

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			[ ] YES [ ] NO			

53A-45

FedEx *USA Airbill* FedEx Tracking Number 8155 1526 6103

Form I.D. No. 0215

SDA11

1 From Please print and press hard

Date 10/7/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Tony Finest Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference First 24 characters will appear on invoice

3 To Recipient's Name BETSY BEAUCHAMP Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LA ROCHE AVE Dept./Floor/Suite/Room
We cannot deliver to PO boxes or PO ZIP codes

To "HOLD" at FedEx location, print FedEx address here

City SAVANNAH State GA ZIP 31404

NEW Peel and Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

0111962862

4a Express Package Service — **Packages up to 150 lbs.** Delivery commitment may be later in some areas

- [X] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One pound rate

4b Express Freight Service — **Packages over 150 lbs.** Delivery commitment may be later in some areas

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging — * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg — Includes FedEx Box, FedEx Tube, and customer pkg

6 Special Handling

- [ ] **Saturday Delivery** — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] **Sunday Delivery** — Available for FedEx Priority Overnight to select ZIP codes
- [ ] **HOLD Weekday at FedEx Location** — Not available with FedEx First Overnight
- [ ] **HOLD Saturday at FedEx Location** — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?

- [ ] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous Goods cannot be shipped in FedEx packaging

[ ] Cargo Aircraft Only

7 Payment Bill to:

- [X] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
4	19	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details

FedEx Use Only

8 Release Signature Sign to authorize delivery without obtaining signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

359

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Serial Number 19 10

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

[X] 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: (954) 421-7400 Fax: (954) 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
[ ] 100 Alpha Drive, Suite 110, Destrehan, LA 70047 Phone: (504) 764-1100 Fax: (504) 725-1163

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Solutia Sauget Area 1	23548	Direct Bill to Solutia

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
IL	Tony Finch / Dave Hornbuck	314-342-4550	314-842-3266

CLIENT NAME	CLIENT PROJECT MANAGER
Solutia	Kimberly Perry - Solutia

CLIENT ADDRESS (CITY, STATE, ZIP): St. Louis, MO

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: VOCs 5035/8260B; SVOCs 8270C; Metals (Pb, Cd, Cr, Ni, Zn) / Mercury / ATIA; Pesticides 8080; PCBs 8080; Herbicides 8151A; Herbicides 8151A

PAGE 1 OF 1

[X] STANDARD REPORT DELIVERY
[ ] EXPEDITED REPORT DELIVERY (surcharge)
Date Due

← Cool to on ICE →

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	VOCs 5035/8260B	SVOCs 8270C	Metals (Pb, Cd, Cr, Ni, Zn) / Mercury / ATIA	Pesticides 8080	PCBs 8080	Herbicides 8151A	Herbicides 8151A				REMARKS
10/7/99	1630		WASTE-G-B-(0-0.5) EB	X				2	1	1	2	2	2					
10/7/99	—		Trip Blank	X														
10/7/99			Trip Blank	X														

53A-47

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY (SIGNATURE)	DATE	TIME	RELINQUISHED BY (SIGNATURE)	DATE	TIME
[signature]	10/7/99	1730						
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY (SIGNATURE)**	**DATE**	**TIME**
FEDEX # 8155 1526 6099	10/7/99	1730						

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			[ ] YES [ ] NO			

FedEx *USA Airbill* FedEx Tracking Number 8155 1526 6099

0215 Senders Copy

1 From Please print and press hard

Date 10/7/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Tony Finch Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference
First 24 characters will appear on invoice

3 To

Recipient's Name Betsy Beauchamp Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LA ROCHE AVE Dept./Floor/Suite/Room
We cannot deliver to PO boxes or PO ZIP codes

To "HOLD" at FedEx location, print FedEx address here

City SAVANNAH State GA ZIP 31404

NEW Peel and Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1-800-Go-FedEx® (800-463-3339)
Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability

0111962862

4a Express Package Service — *Packages up to 150 lbs.* Delivery commitment may be later in some areas.

- [X] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One-pound rate

4b Express Freight Service — *Packages over 150 lbs.* Delivery commitment may be later in some areas.

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging — * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg — Includes FedEx Box, FedEx Tube, and customer pkg

6 Special Handling

- [ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day in select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?
One box must be checked

- [ ] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ___ x ___ kg
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging

7 Payment *Bill to:*

- [X] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
0	50	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details. FedEx Use Only

8 Release Signature Sign to authorize delivery without obtaining signature.

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims

359

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RETAIN THIS COPY FOR YOUR RECORDS

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: (954) 421-7400 — Fax: (954) 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
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

PROJECT REFERENCE: Solutia Sauget Area 1
PROJECT NO.: 23548
P.O. NUMBER: Direct Bill to Solutia
PROJECT LOC. (State): IL
SAMPLER(s) NAME: Tony Finch / Dave Hawkins
PHONE: 314-842-4550
FAX: 314-842-3266
CLIENT NAME: Solutia
CLIENT PROJECT MANAGER: Kimberly Perry - Solutia
CLIENT ADDRESS (CITY, STATE, ZIP): St. Louis, MO

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: TCLP VOCs 8260B; TCLP SVOCs 8270B; TCLP Pesticides 8081A; TCLP Herbicides 8151A; TCLP Metals 6010B; TCLP Cyanide 9010B; Ignitability 1010A; Corrosivity 1110; Reactivity 7.3.4

Cooler on ice

PAGE 1 OF 1

☒ STANDARD REPORT DELIVERY
☐ EXPEDITED REPORT DELIVERY (surcharge)
Date Due:

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	TCLP VOCs 8260B	TCLP SVOCs 8270B	TCLP Pesticides 8081A	TCLP Herbicides 8151A	TCLP Metals 6010B	TCLP Cyanide 9010B	Ignitability 1010A	Corrosivity 1110				REMARKS
10/5/99	0930		WASTE - G - B1 - Comp	X				1		1	1	1	1						
10/8/99	1335		WASTE - G - B2 - Comp	X				1		1	1	1	1						
10/7/99	1330		WASTE - G - B1 (2-4')	X			1												
10/8/99	1300		WASTE - G - B2 (12-14')	X			1												
10/8/99	—		Trip Blank	X			3												
10/8/99	—		Temp Blank	X															

53A-49

CLIENTS FIELD COPY

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	10/8/99	1630						
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
FedEx # 8155 1526 7279	10/8/99	1630						

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			☐ YES ☐ NO			

FedEx USA Airbill FedEx Tracking Number 8155 1526 7279

SDA11

0215

Sender's Copy

1 From Please print and press hard

Date 10/8/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Tony Finch Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference First 24 characters will appear on invoice 23548.020.005

3 To Recipient's Name Betsy Beauchamp Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LA ROCHE AVE Dept./Floor/Suite/Room

We cannot deliver to PO Boxes or PO ZIP Codes

To "HOLD" at FedEx location, print FedEx address here

City SAVANNAH State GA ZIP 31404

NEW Peel and Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

4a Express Package Service *Packages up to 150 lbs.* Delivery commitment may be later in some areas.

- [x] FedEx Priority Overnight Next business morning
- [ ] FedEx Standard Overnight Next business afternoon
- [ ] FedEx First Overnight Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* Second business day
- [ ] FedEx Express Saver* Third business day

* FedEx Letter Rate not available. Minimum charge: One pound rate

4b Express Freight Service *Packages over 150 lbs.* Delivery commitment may be later in some areas.

- [ ] FedEx 1Day Freight* Next business day
- [ ] FedEx 2Day Freight Second business day
- [ ] FedEx 3Day Freight Third business day

* Call for Confirmation

5 Packaging * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [x] Other Pkg. Includes FedEx Box, FedEx Tube, and customer pkg

6 Special Handling

- [x] Saturday Delivery Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? Don't forget to check one

- [x] No
- [ ] Yes As per attached Shipper's Declaration
- [ ] Yes Shipper's Declaration not required
- [ ] Dry Ice Dry Ice, 8, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below

- [x] Sender Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	27	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details. FedEx Use Only

8 Release Signature Sign to authorize delivery without obtaining signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

359

0111962862

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RETAIN THIS COPY FOR YOUR RECORDS

53A-50

CLIENT CHAIN OF CUSTODY | **SAMPLER'S SIGNATURE** | **Project/Quote 04939/9900001069**

From (1): Solutia,Inc.
575 Maryville Center Drive
St. Louis, MO 63141

Project (1): Sauget Area 1 Support Sampling

(SOL05 /FMS)

Contact: Mr. Alan Cork
Phone: 314-674-3402
Fax: 314-674-8957
P.O.# (1): Direct Bill to Solutia

Data to be reported to the state of MO.

Analysis Wanted (2): TCLP Dioxins 8280A

Total Number of Containers: 2

Turn Around Time (In Calendar Days):

Sample ID (3)	Date / Time	Preservation (4)	Matrix	Sample Amt.						Remarks
WASTE-G-B1-comp	10/8/99 0930	Cool	Soil	1 LT	X					
WASTE-G-B2-comp	10/8/99 1335	Cool	Soil	1 LT	X					

53A-51

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
	10/8/99 2000	FEDEX# 815747919045			

Received for Laboratory By/Signature	Date/Time	Send Samples to:
		Triangle Laboratories, Inc. **Attn: Sample Custodian** **801 Capitola Drive** **Durham, NC 27713 USA** **Phone: (919) 544-5729 • Fax: (919) 544-5491**

Directions:
(1) Provide and/or correct client and project information.
(2) Verify analysis, check approriate boxes for each sample.
(3) Enter the sample ID to be used when reporting the samples.
(4) Please indicate the preservation used for each sample.

FedEx USA Airbill FedEx Tracking Number 8157 4791 9645

8DA21

0215 Sender's Copy

1 From Please print and press hard

Date 10/8/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Tony Finch Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference First 24 characters will appear on invoice 23546.020.005

3 To Recipient's Name Frank Stevens Phone ( )

Company TRIANGLE LABORATORIES

Address 801 CAPITOLA DR Dept./Floor/Suite/Room

We cannot deliver to PO boxes or PO ZIP codes

To "HOLD" at FedEx location, print FedEx address here

City DURHAM State NC ZIP 27713

NEW Peel and Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1-800-Go-FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

0111963289

4a Express Package Service *Packages up to 150 lbs.* Delivery commitment may be later in some areas.

- [x] FedEx Priority Overnight Next business morning
- [ ] FedEx Standard Overnight Next business afternoon
- [ ] FedEx First Overnight Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* Second business day
- [ ] FedEx Express Saver* Third business day

* FedEx Letter Rate not available. Minimum charge: One-pound rate

4b Express Freight Service *Packages over 150 lbs.* Delivery commitment may be later in some areas.

- [ ] FedEx 1Day Freight* Next business day
- [ ] FedEx 2Day Freight Second business day
- [ ] FedEx 3Day Freight Third business day

* Call for Confirmation

5 Packaging * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [x] Other Pkg. Includes FedEx Box, FedEx Tube, and customer pkg.

6 Special Handling

- [x] Saturday Delivery Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? One box must be checked

- [ ] No
- [ ] Yes As per attached Shipper's Declaration
- [ ] Yes Shipper's Declaration not required
- [ ] Dry Ice Dry Ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below

- [x] Sender Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	43	$ 00

†Our liability is limited to $100 unless you declare a higher value. See back for details. FedEx Use Only

8 Release Signature *Sign to authorize delivery without obtaining signature.*

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

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Serial Number 13 38

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: (954) 421-7400 — Fax: (954) 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
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

PROJECT REFERENCE: Solutia Sugar Area
PROJECT NO.: 23548
P.O. NUMBER: Direct Bill to Solutia
PROJECT LOC. (State): IL
SAMPLER(s) NAME: Tony Finch / Dave Haverdink
PHONE: 314 - 842 - 4550
FAX: 314 - 842 - 3266
CLIENT NAME: Solutia
CLIENT PROJECT MANAGER: Kimberly Perry - Solutia
CLIENT ADDRESS (CITY, STATE, ZIP): St. Louis, MO

MATRIX TYPE — REQUIRED ANALYSES — PAGE 1 OF 1

☒ STANDARD REPORT DELIVERY
☐ EXPEDITED REPORT DELIVERY (surcharge)
Date Due

Cooler on ice

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (oil, solvent, etc)	TCLP VOCs 8260	TCLP SVOCs 8270	TCLP PCBs	TCLP Pesticides	TCLP Herbicides	TCLP Metals	TCLP Mercury	Reactivity 9014	Ignitability 1010/Flash	Corrosivity 1110	Cyanide 9010B	REMARKS
10/11/99	1030		WASTE - G - B3 - [illegible]		X			1		1	1	1	1						correction 4-24-00
10/11/99	1030		WASTE - G - B3 - [illegible] DUP		X			1		1	1	1	1						cyanide added [illegible]
10/11/99	1000		WASTE - G - B3 (10 12')		X			1											
10/11/99	1000		WASTE - G - B3 (10 12') DUP		X			1											
10/11/99	—		Trip Blank	X				3											
10/11/99	—		Trip Blank	X															

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	10/11/99	1745						

RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
Fedex #8155 1526 6283	10/11/99	1745						

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			☐ YES ☐ NO			

CLIENTS FIELD COPY

53A-53

FedEx USA Airbill FedEx Tracking Number 8155 1526 6283 Form I.D. No. 0215

1 From Please print and press hard

Date 10/11/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Tony Finch Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference
First 24 characters will appear on invoice

3 To Recipient's Name Betty Blanchamp Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LA ROCHE AVE
We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept./Floor/Suite/Room

To "HOLD" at FedEx location, print FedEx address here

City SAVANNAH State GA ZIP 31404

NEW Peel-and-Stick FedEx USA Airbill™

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability

0111962862

4a Express Package Service — Packages up to 150 lbs. Delivery commitment may be later in some areas

- [X] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One pound rate

4b Express Freight Service — Packages over 150 lbs. Delivery commitment may be later in some areas

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging — * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg

6 Special Handling

- [ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?

- [X] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ___ kg

Dangerous Goods cannot be shipped in FedEx packaging

- [ ] Cargo Aircraft Only

7 Payment Bill to:

- [X] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	23	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details

FedEx Use Only

8 Release Signature — Sign to authorize delivery without obtaining signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims

359

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RETAIN THIS COPY FOR YOUR RECORDS

CLIENT CHAIN OF CUSTODY | **SAMPLER'S SIGNATURE** [signature] | **Project/Quote 04939/9900001069**

From (1): Solutia, Inc.
575 Maryville Center Drive
St. Louis, MO 63141

Project (1): Sauget Area 1 Support Sampling

Contact: Mr. Alan Cork
Phone: 314-674-3402
Fax: 314-674-8957
P.O.# (1): Dave Bill Solution

(SOL05 /FMS)

Data to be reported to the state of MO.

Analysis Wanted (2): TCLP 8260A, Dioxins, Dioxin 8290

Total Number of Containers: 5

Turn Around Time (in Calendar Days):

Sample ID (3)	Date / Time	Preservation (4)	Matrix	Sample Amt.						Remarks
WASTE-G-B3-Comp	10/11/99 1030	Cooled w/ice	Soil	1-liter	X					
WASTE-G-B3-Comp Dup	10/11/99 1030	Cooled w/ice	Soil	1-liter	X					
EEG-109	10/11/99 1500	Cool, NaS_2O_3	Water	2-liters		X				
SED-RA2-S2	10/9/99 1030	Cool	Sediment	1-liter		X				

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
[signature]	10/11/99 1740	FedEx # 815747919586			

Received for Laboratory By/Signature	Date/Time	Send Samples to: Triangle Laboratories, Inc. Attn: Sample Custodian 801 Capitola Drive Durham, NC 27713 USA Phone: (919) 544-5729 • Fax: (919) 544-5491

Directions:
(1) Provide and/or correct client and project information.
(2) Verify analysis, check approriate boxes for each sample.
(3) Enter the sample ID to be used when reporting the samples.
(4) Please indicate the preservation used for each sample.

FedEx *USA Airbill* FedEx Tracking Number 8157 4791 9586

SDA21

Part I.D. No. 0215

1 From Please print and press hard

Date 10/11/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name TONY FINCH Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference First 24 characters will appear on invoice 23518.020.005

3 To Recipient's Name Frank Stevens Phone ( )

Company TRIANGLE LABORATORIES

Address 801 CAPITOLA DR

We cannot deliver to PO boxes or PO ZIP codes Dept./Floor/Suite/Room

To "HOLD" at FedEx location, print FedEx address here.

City DURHAM State NC ZIP 27713

NEW Peel and Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

0111963289

4a Express Package Service — *Packages up to 150 lbs.* Delivery commitment may be later in some areas

- [X] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One-pound rate

4b Express Freight Service — *Packages over 150 lbs.* Delivery commitment may be later in some areas.

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation:

5 Packaging * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg.

6 Special Handling

- [ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? (One box must be checked)

- [X] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging

7 Payment *Bill to:* (Enter FedEx Acct. No. or Credit Card No. below)

- [X] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	24	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details. FedEx Use Only

8 Release Signature Sign to authorize delivery without obtaining signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

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53A-56

Serial Number 13 42

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

[X] 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: (954) 421-7400 Fax: (954) 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
[ ] 100 Alpha Drive, Suite 110, Destrehan, LA 70047 Phone: (504) 764-1100 Fax: (504) 725-1163

PROJECT REFERENCE: Solutia Sauget Area
PROJECT NO.: 23548
P.O. NUMBER: Direct Bill to Solutia
PROJECT LOC. (State): IL
SAMPLER(s) NAME: Tony Finch / Dave Haverdink
PHONE: 314-842-4550
FAX: 314-842-3266
CLIENT NAME: Solutia
CLIENT PROJECT MANAGER: Kimberly Perry Solutia
CLIENT ADDRESS (CITY, STATE, ZIP): St Louis, MO

PAGE 1 OF 1

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: TCLP VOCs 8260B; TCLP SVOCs 8270C; PCBs 680; TCLP Dest 8081A; TCLP Herbs 8151A; TCLP Metals 6010B; TCLP Mercury 7470B; Cyanide 9010B; Ignitability 1010/1020A; Corrosivity 1110; Reactivity 9014

Sealed on ice →

[X] STANDARD REPORT DELIVERY
[ ] EXPEDITED REPORT DELIVERY (surcharge)
Date Due

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	TCLP VOCs 8260B	TCLP SVOCs 8270C	PCBs 680	TCLP Dest 8081A	TCLP Herbs 8151A	TCLP Metals 6010B	TCLP Mercury 7470B	Cyanide 9010B	Ignitability 1010/1020A	Corrosivity 1110	Reactivity 9014			REMARKS
10/12/99	1000		Waste-G-B4 (12-14')		X			1	1			1	1		1						
10/12/99	1040		Waste-G-B4-Comp		X																
10/12/99	—		Trip Blank	X				3													
10/12/99	—		Trip Blank	X																	

53A-57

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY (SIGNATURE)	DATE	TIME	RELINQUISHED BY (SIGNATURE)	DATE	TIME
[signature]			[signature]	10/12/99	1800			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
[signature]	10/12/99	0730	FED EX #8155 1526 6375	10/12/99	1800			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			[ ] YES [ ] NO			

CLIENTS FIELD DOC

SDA11

FedEx USA Airbill FedEx Tracking Number 8155 1526 6375

Form ID No 0215

1 From Please print and press hard

Date

Sender's FedEx Account Number 1187-9587-3

Sender's Name Tony Finch

Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference
First 24 characters will appear on invoice

3 To Recipient's Name

Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LA ROCHE AVE Dept./Floor/Suite/Room
We cannot deliver to PO boxes or PO ZIP codes

To "HOLD" at FedEx location, print FedEx address here

City SAVANNAH State GA ZIP 31404

See back for application instructions

Questions? Call 1-800-Go-FedEx® (800-463-3339)
Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability

0111962862

4a Packages up to 150 lbs
Delivery commitment may be later in some areas

[X] FedEx Priority Overnight — Next business morning
[ ] FedEx Standard Overnight — Next business afternoon
[ ] FedEx First Overnight — Earliest next business morning delivery to select locations
[ ] FedEx 2Day* — Second business day
[ ] FedEx Express Saver* — Third business day
* FedEx Letter Rate not available. Minimum charge. One pound rate

4b Packages over 150 lbs
Delivery commitment may be later in some areas

[ ] FedEx 1Day Freight* — Next business day
[ ] FedEx 2Day Freight — Second business day
[ ] FedEx 3Day Freight — Third business day
* Call for Confirmation

5 Declared value limit $500

[ ] FedEx Letter*
[ ] FedEx Pak*
[X] Other Pkg — Includes FedEx Box, FedEx Tube, and customer pkg

6

[ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
[ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
[ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
[ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?

[X] No
[ ] Yes — As per attached Shipper's Declaration
[ ] Yes — Shipper's Declaration not required
[ ] Dry Ice — Dry Ice 9, UN 1845 x kg
[ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging

7 Bill to:

[X] Sender — Acct No. in Section 1 will be billed
[ ] Recipient
[ ] Third Party
[ ] Credit Card
[ ] Cash/Check

FedEx Acct No
Credit Card No
Exp Date

Total Packages 1
Total Weight 12
Total Declared Value† $ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details

FedEx Use Only

8 Sign to authorize delivery without obtaining signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims

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CLIENT CHAIN OF CUSTODY **SAMPLER'S SIGNATURE** [signature] **Project/Quote 04939/9900001069**

From (1): Solutia,Inc.
575 Maryville Center Drive
St. Louis, MO 63141

Project (1): Sauget Area 1 Support Sampling

Contact: Mr. Alan Cork
Phone: 314-674-3402
Fax: 314-674-8957
P.O.# (1): Direct Bill to Solutia

(SOL05 /FMS)

Data to be reported to the state of MO.

Analysis Wanted (2): TCLP Dioxins; Dioxin 8290

Total Number of Containers:

Turn Around Time (In Calendar Days):

Sample ID (3)	Date / Time	Preservation (4)	Matrix	Sample Amt.	TCLP Dioxins	Dioxin 8290				Remarks
WASTE-B4-Comp G	10/12/99 1040	Cool to 4° C	soil	1 liter	X					
EE-01	10/12/99 0900	$Na_2S_2O_3$ Cool to 4° C	water	2, 1 liter		X				
EE-03	10/12/99 1615	$Na_2S_2O_3$ Cool to 4° C	water	2, 1 liter		X				
Temp blank	10/12/99	—	water							

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
[signature]	1930 10-12-99	FedEx # 8157479 1690			

Received for Laboratory By/Signature	Date/Time	Send Samples to: Triangle Laboratories, Inc. Attn: Sample Custodian 801 Capitola Drive Durham, NC 27713 USA Phone: (919) 544-5729 • Fax: (919) 544-5491

Directions:
(1) Provide and/or correct client and project information.
(2) Verify analysis, check approriate boxes for each sample.
(3) Enter the sample ID to be used when reporting the samples.
(4) Please indicate the preservation used for each sample.

SDA21

FedEx *USA Airbill* FedEx Tracking Number 8157 4791 9690

Form I.D. No. 0215

1 From *Please print and press hard.*

Date 10/12/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Tony Finch Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference
First 24 characters will appear on invoice

3 To

Recipient's Name Frank Stevens Phone ( )

Company TRIANGLE LABORATORIES

Address 801 CAPITOLA DR
We cannot deliver to P.O. boxes or P.O. ZIP codes Dept./Floor/Suite/Room

To "HOLD" at FedEx location, print FedEx address here

City DURHAM State NC ZIP 27713

[illegible]

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)
Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability

0111963289

4a Express Package Service — *Packages up to 150 lbs.* Delivery commitment may be later in some areas

- [X] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge. One pound rate

4b Express Freight Service — *Packages over 150 lbs.* Delivery commitment may be later in some areas

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg.

6 Special Handling

- [ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?

- [X] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ___ kg
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging

7 Payment *Bill to:*

- [X] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	25	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details. FedEx Use Only

8 Release Signature Sign to authorize delivery without obtaining signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims

359

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RETAIN THIS COPY FOR YOUR RECORDS

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

[X] 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: (954) 421-7400 — Fax: (954) 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
[ ] 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Solutia Sauget Area 1	23548	Direct Bill to Solutia

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE / FAX
IL	Tony Finch / Dave Haverdink	PHONE 314-842-4550 / FAX 314-842-3266

CLIENT NAME	CLIENT PROJECT MANAGER
Solutia	Kimberly Perry - Solutia

CLIENT ADDRESS (CITY, STATE, ZIP): St. Louis, MO

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: VOCs 8055/8260B; SVOCs 8270C; PCBs 8080; PESTS 8081A; HERBS 8151A; METALS 6010B; MERCURY 7471A; CYANIDE 9010B

Coolers on ICE

PAGE 1 OF 1

[X] STANDARD REPORT DELIVERY
[ ] EXPEDITED REPORT DELIVERY (surcharge)
Date Due

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	VOCs 8055/8260B	SVOCs 8270C	PCBs 8080	PESTS 8081A	HERBS 8151A	METALS 6010B	MERCURY 7471A	CYANIDE 9010B	REMARKS
10/13/99	1125		WASTE-I-B1 (0-0.5')		X			1	1		1	1				
10/13/99	1230		WASTE-I-B1 (0-0.5') MS/MSD		X			1	1		1	1				
10/13/99	1045		WASTE-I-B2 (0-0.5')		X			1	1		1	1				
10/13/99	1200		WASTE-I-B3 (0-0.5')		X			1	1		1	1				
10/13/99	-		Trip Blank	X				3								
			Temp Blank	X												

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
S. Campbell	10/13/99		[signature]	10/13/99	1745			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
[signature]	10/13/99	0800	FEDEX #8155 1526 6401	10/13/99	1745			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			[ ] YES [ ] NO			

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CLIENTS FIELD COP

FedEx *USA Airbill* FedEx Tracking Number 8155 1526 6401

Form I.D. No. 0215

1 From *Please print and press hard*

Date 10/13/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name TONY FINCH Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference
First 24 characters will appear on invoice

3 To

Recipient's Name BETSY BEAUCHAMP Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LA ROCHE AVE Dept./Floor/Suite/Room
We cannot deliver to PO Boxes or PO ZIP codes

To "HOLD" at FedEx location, print FedEx address here

City SAVANNAH State GA ZIP 31404

NEW Peel and Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability

0111962862

4a Express Package Service *Packages up to 150 lbs.*
Delivery commitment may be later in some areas

- [x] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One pound rate

4b Express Freight Service *Packages over 150 lbs.*
Delivery commitment may be later in some areas

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging * Declared value limit $100

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [x] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg

6 Special Handling

- [ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?
Do not cannot be checked

- [ ] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging

7 Payment *Bill to:*
Enter FedEx Acct. No. or Credit Card No. below

- [x] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	30	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details

FedEx Use Only

8 Release Signature *Sign to authorize delivery without obtaining signature*

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims

359

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RETAIN THIS COPY FOR YOUR RECORDS

CLIENT CHAIN OF CUSTODY **SAMPLER'S SIGNATURE** Karen Thompson **Project/Quote 04939/9900001069**

From (1): Solutia,Inc.
575 Maryville Center Drive
St. Louis, MO 63141

Project (1): Sauget Area 1 Support Sampling

Contact: Mr. Alan Cork
Phone: 314-674-3402
Fax: 314-674-8957
P.O.# (1): DIRECT BILL Solutia

(SOL05 /FMS)

Data to be reported to the state of MO.

Analysis Wanted (2): Dioxins 8280A, Dioxin (8290)

Total Number of Containers: ~~*~~ 8

Turn Around Time (In Calendar Days):

Sample ID (3)	Date / Time	Preservation (4)	Matrix	Sample Amt.	Dioxins 8280A	Dioxin (8290)				Remarks
WASTE-I-B1 (0-0.5')	10/13/99 1125	Cooled on ice	Soil	1 LT.	X					
WASTE-I-B1 (0-0.5') MS/MSD	10/13/99 1330	↓	↓	↓	X					
WASTE-I-B2 (0-0.5')	10/13/99 1045	↓	↓	↓	X					
WASTE-I-B3 (0-0.5')	10/13/99 1200	↓	↓	↓	X					
EE-04 DUP	10/13/99 0915	$Na_2S_2O_3$; cool	water	2 l		X				
EE-04	10/13/99 0915	$Na_2S_2O_3$, cool	water	2 l		X				
Temp Blank		cool	water	40 ml						

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
[signature]	10/13/99 1900	Fax# 815747920020			

Received for Laboratory By/Signature	Date/Time	Send Samples to: Triangle Laboratories, Inc. Attn: Sample Custodian 801 Capitola Drive Durham, NC 27713 USA Phone: (919) 544-5729 • Fax: (919) 544-5491

Directions:
(1) Provide and/or correct client and project information.
(2) Verify analysis, check approriate boxes for each sample.
(3) Enter the sample ID to be used when reporting the samples.
(4) Please indicate the preservation used for each sample.

FedEx *USA Airbill* FedEx Tracking Number 8157 4792 0020

Form I.D. No. 0215 SDA21

1 From *Please print and press hard*

Date 10/13/94 Sender's FedEx Account Number 1187-9587-3

Sender's Name Tony Finch Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference
First 24 characters will appear on invoice

3 To

Recipient's Name Frank Stevens Phone (919) 544-5729

Company TRIANGLE LABORATORIES

Address 801 CAPITOLA DR Dept./Floor/Suite/Room

We cannot deliver to PO boxes or PO ZIP codes

To "HOLD" at FedEx location, print FedEx address here

City DURHAM State NC ZIP 27713

NEW Peel and Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1-800-Go-FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

0111963289

4a Express Package Service *Packages up to 150 lbs.* Delivery commitment may be later in some areas

- [X] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge. One-pound rate

4b Express Freight Service *Packages over 150 lbs.* Delivery commitment may be later in some areas

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg — Includes FedEx Box, FedEx Tube, and customer pkg

6 Special Handling

- [ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?

- [ ] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ___ x ___ kg
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below

- [X] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	43	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details. FedEx Use Only

8 Release Signature *Sign to authorize delivery without obtaining signature*

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

359

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Serial Number 15C 21

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: (954) 421-7400 Fax: (954) 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
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 Phone: (504) 764-1100 Fax: (504) 725-1163

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE: Solutia Sauget Area 1
PROJECT NO.: 23545
PO NUMBER: Direct Bill to Solutia
PROJECT LOC. (State): IL
SAMPLER(s) NAME: Tony Finch / Dave Haverdink
PHONE: 314 842-4556
FAX: 314-842-3266
CLIENT NAME: Solutia
CLIENT PROJECT MANAGER: Kimberly Perry - Solutia
CLIENT ADDRESS (CITY, STATE, ZIP): St. Louis, MO

PAGE 1 OF 2

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: VOCs 5035 8260B; SVOCs 8270C; PCBs 6080; Pesticides 8081A; Herbicides 8151A; Metals 6010B; Mercury 7471A; Cyanide 9010B

Cooled on ice

☒ STANDARD REPORT DELIVERY
☐ EXPEDITED REPORT DELIVERY (surcharge)
Date Due

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	VOCs 5035 8260B	SVOCs 8270C	PCBs 6080	Pesticides 8081A	Herbicides 8151A	Metals 6010B	Mercury 7471A	Cyanide 9010B					REMARKS
10/14/99	0930		WASTE-I-B4 (0-0.5')		X			3	1			1	1							
10/14/99	0930		WASTE-I-B4 (0-0.5') DUP2		X			3	1			1	1							
~~[illegible]~~			~~[illegible]~~																	
10/14/99			Trip Blank	X				3												
			Temp Blank	X																

53A-65

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
A. Campbell			[signature]	10/14/99	1815			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
[signature]	10/14/99	0715	FEDEX# 8155 1526 6489	10/14/99	1815			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			☐ YES ☐ NO			

CLIENTS FIELD COP

FedEx USA Airbill FedEx Tracking Number 8155 1526 _109

Form ID No. 0215

1 From Please print and press hard

Date 10/14/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Tony Finch Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference First 24 characters will appear on Invoice

3 To Recipient's Name Betsy Beauchamp Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LA ROCHE AVE Dept./Floor/Suite/Room

We cannot deliver to PO boxes or PO ZIP codes

To "HOLD" at FedEx location, print FedEx address here

City SAVANNAH State GA ZIP 31404

NEW Peel and Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability

4a Express Package Service Packages up to 150 lbs. Delivery commitment may be later in some areas

- [X] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One-pound rate

4b Express Freight Service Packages over 150 lbs. Delivery commitment may be later in some areas

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation:

5 Packaging * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg — Includes FedEx Box, FedEx Tube, and customer pkg.

6 Special Handling

- [ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? One box must be checked

- [ ] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging.

7 Payment Bill to: Enter FedEx Acct. No. or Credit Card No. below

- [X] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages 1 Total Weight 37 Total Declared Value† $ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details

FedEx Use Only

8 Release Signature Sign to authorize delivery without obtaining signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims

359

0111962862

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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
☐ 2846 Industrial Plaza Drive, Tallahassee, FL 32301 — Phone: (904) 878-3994 — Fax: (904) 878-9504
☐ 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
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

PROJECT REFERENCE: Solutia Savage Area
PROJECT NO.: 23548
P.O. NUMBER: Direct Bill 10 Solutia
PROJECT LOC. (State): IL
SAMPLER(s) NAME: Tony Fiegel / Dave Hinnenbaum
PHONE: 314 842 4560
FAX: 314 842 3266
CLIENT NAME: Solutia
CLIENT PROJECT MANAGER: Kimberly Perry - Solutia
CLIENT ADDRESS (CITY, STATE, ZIP): St. Louis, MO

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES — PAGE 2 OF 2

☒ STANDARD REPORT DELIVERY
☐ EXPEDITED REPORT DELIVERY (surcharge)
Date Due

— Cooled on Ice —

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	TCLP VOCs	TCLP SVOCs	TCLP PCBs	TCLP Pesticides	TCLP Herbicides	TCLP Metals	Cyanide	Ignitability	Corrosivity	Reactivity				REMARKS
10/14/99	1200		WASTE - I - B1 - Comp		X				1			1	1	1	1						
10/13/99	1500		WASTE - I - B1 - (14-16')		X			1													
10/14/99	1515		WASTE - I - B4 Comp		X				1			1	1	1	1						
10/14/99	1440		WASTE I - B4 (0-2')		X			1													

53A-67

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
Cheryl Strickland	9/1/99	1730	[signature]	10/14/99	1815			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
[signature]	10/14/99	0715	FedEx 8155 1526 6489	10/14/99	1815			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			☐ YES ☐ NO			

fedex USA Airbill FedEx Tracking Number 8155 1526 6 .. 1

Form I.D. No. 0215

1 From Please print and press hard

Date 10/14/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Tony Finch Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference
First 24 characters will appear on invoice

3 To Recipient's Name Betsy Beauchamp Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LA ROCHE AVE Dept./Floor/Suite/Room
We cannot deliver to PO boxes or PO ZIP codes

To "HOLD" at FedEx location, print FedEx address here

City SAVANNAH State GA ZIP 31404

NEW Red and Blue FedEx USA Airbill

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability

4a Express Package Service — *Packages up to 150 lbs.* Delivery commitment may be later in some areas

- [X] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One-pound rate

4b Express Freight Service — *Packages over 150 lbs.* Delivery commitment may be later in some areas

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging — * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg — Includes FedEx Box, FedEx Tube, and customer pkg

6 Special Handling

- [ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?

- [ ] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ kg
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging

7 Payment Bill to:

- [X] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	27	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details. FedEx Use Only

8 Release Signature — *Sign to authorize delivery without obtaining signature*

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims

359

0111962862

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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
☐ 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
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE	PROJECT NO.	PO NUMBER
Solutia Sauget Area 1	22540	Barrett Hill Solutia

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
IL	Tony Finch / Mike Invernizzi	314 842 4250	314 842 3266

CLIENT NAME	CLIENT PROJECT MANAGER
Solutia	Kimberly Perry - Solutia

CLIENT ADDRESS (CITY, STATE, ZIP): St. Louis, MO

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: VOCs 8260B; Cyanide 9012A; Metals 6010B; Mercury 7470A; Pesticides 8081A; Herbicides 8151A

PAGE 1 OF 1

☒ STANDARD REPORT DELIVERY
☐ EXPEDITED REPORT DELIVERY (surcharge)
Date Due:

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	VOCs 8260B	Cyanide 9012A	Metals 6010B	Mercury 7470A	Pesticides 8081A	Herbicides 8151A			REMARKS
10/14/99	1125		WASTE-1-15(0-0.5) EB2	X				3	2	1	1	1	2	2	2	
10/14/99			Trip Blank	X				3								
			Temp Blank	X												

53A-69

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
Cheryl Strickland	10/14/99	1730	[signature]	10/14/99	1830			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
[signature]	10/14/99	1700	FEDEX # 8155 1526 6560	10/14/99	1830			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			☐ YES ☐ NO			

FedEx USA Airbill FedEx Tracking Number 8155 1526 6560

Form I.D. No. 0215

1 From Please print and press hard

Date 10/14/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Tony Fruit Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference First 24 characters will appear on invoice

3 To Recipient's Name Betsy Bowerhamp Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LA ROCHE AVE Dept./Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes

To "HOLD" at FedEx location, print FedEx address here

City SAVANNAH State GA ZIP 31404

NEW FLAP and Stick FedEx USA Airbill

See back for application instructions

Questions? Call 1·800·Go·FedEx* (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability

4a Express Package Service — *Packages up to 150 lbs.* Delivery commitment may be later in some areas

- [X] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge. One-pound rate

4b Express Freight Service — *Packages over 150 lbs.* Delivery commitment may be later in some areas.

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation:

5 Packaging * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg.

6 Special Handling

- [ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? One box must be checked

- [ ] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging

7 Payment *Bill to:*

- [X] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	4	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details

FedEx Use Only

8 Release Signature Sign to authorize delivery without obtaining signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims

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RETAIN THIS COPY FOR YOUR RECORDS

CLIENT CHAIN OF CUSTODY | **SAMPLER'S SIGNATURE** _____ | **Project/Quote 04960/9900001069**

From (1): Solutia,Inc.
575 Maryville Center Drive
St. Louis, MO 63141

Project (1): Sauget Area 1 Support Sampling

(SOL05 /FMS)

Contact: Alan Cork
Phone: 314-947-4871
Fax: 314-674-8957
P.O.# (1): Direct Bill to Solutia

Data to be reported to the state of MO.

Analysis Wanted (2): VOC's, SVOC's

Total Number of Containers: 6

Turn Around Time (In Calendar Days):

Sample ID (3)	Date / Time	Preservation (4)	Matrix	Sample Amt.							Remarks
WASTE-I-B4(0-0.5')	10/14/99 930	cooled on ice	Soil	1 LT	X						
WASTE-I-B4(0-0.5') DUP2	10/14/99 930	↓	↓	1 LT	X						
WASTE-I-B3(0-0.5') EB2	10/14/99 1725	↓	Aqueous	2 LT	X						
WASTE-I-B1-comp	10/14/99 1200	↓	Soil	1 LT	X						
WASTE-I-B4 comp	10/14/99 1515	↓	↓	1 LT	X						

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Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
[signature]	10/14/99 1820	FEDEX #8157479 2009			

Received for Laboratory By/Signature	Date/Time	Send Samples to: Triangle Laboratories, Inc. Attn: Sample Custodian 801 Capitola Drive Durham, NC 27713 USA Phone: (919) 544-5729 • Fax: (919) 544-5491

Directions:
(1) Provide and/or correct client and project information.
(2) Verify analysis, check approriate boxes for each sample.
(3) Enter the sample ID to be used when reporting the samples.
(4) Please indicate the preservation used for each sample.

FedEx *USA Airbill* FedEx Tracking Number 8157 4792 0009

Form I.D. No. 0215 Sender's Copy

1 From *Please print and press hard*

Date 10/14/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Tony Finch Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference
First 24 characters will appear on invoice

3 To

Recipient's Name Phone ( )

Company TRIANGLE LABORATORIES

Address 801 CAPITOLA DR Dept./Floor/Suite/Room

We cannot deliver to PO boxes or PO ZIP codes

To "HOLD" at FedEx location, print FedEx address here

City DURHAM State NC ZIP 27713

NEW Peel and Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability

0111963289

4a Express Package Service *Packages up to 150 lbs.* Delivery commitment may be later in some areas

- [X] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge. One-pound rate

4b Express Freight Service *Packages over 150 lbs.* Delivery commitment may be later in some areas

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg

6 Special Handling

- [ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? (Dangerous goods can be checked)

- [ ] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ___ x ___ kg
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below

- [X] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	32	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details

FedEx Use Only

8 Release Signature *Sign to authorize delivery without obtaining signature*

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims

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SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

[X] 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: (954) 421-7400 — Fax: (954) 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
[ ] 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE: [illegible] Area 1
PROJECT NO.: 23548
PO NUMBER: [illegible]
PROJECT LOC. (State): [illegible]
SAMPLER(s) NAME: Alan Cook
PHONE: (314) 842-1550
FAX: (314) 842-1266
CLIENT NAME: [illegible]
CLIENT PROJECT MANAGER: [illegible]
CLIENT ADDRESS (CITY, STATE, ZIP): [illegible], MO

PAGE 1 OF 1

[X] STANDARD REPORT DELIVERY
[ ] EXPEDITED REPORT DELIVERY (surcharge)
Date Due

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES — NUMBER OF CONTAINERS SUBMITTED

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	TCLP VOCs (1311/8260B) Cool	SVOCs (1311/8270C) Cool	TCLP HERBs (1311/8151A) Cool	TCLP PESTs (1311/8081A) Cool	TCLP METALS (1311/6010B) TCLP MERCURY (1311/7470A) Cool	PCBs (680) Cool	CYANIDE (9010B) Cool	[illegible] (9014) Cool	[illegible] (1010/1020A) Cool	VOC (8260B) Cool	REMARKS
10/14/99	1115		WASTE-M-B1		X			2	1/4	1/4	1/4	1	1/4	1	1	1		
10/14/99	1200		WASTE-M-B2		X			2	1/4	1/4	1/4	1	1/4	1	1	1		
10/14/99	1230		WASTE-M-B3		X			2	1/4	1/4	1/4	1	1/4	1	1	1		
10/14/99	1245		WASTE-M-B4		X			2	1/4	1/4	1/4	1	1/4	1	1	1		
10/14/99	1245		WASTE-M-B4 DUP		X			2	1/4	1/4	1/4	1	1/4	1	1	1		
10/14/99	1630		WASTE-M-FB	X													3	
10/14/99	1100		SGW-S1-20FT	X													3	
10/14/99	-		TRIP BLANK	X				3										
10/14/99	-		TEMP BLANK	X														

53A-73

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	1/28/99		[signature]	10/14/99	1800			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
[signature]	9/30/99		Fed x 8155 1526 6490	10/14/99	1800			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			[ ] YES [ ] NO			

CLIENTS FIELD COPY

fedex USA Airbill FedEx Tracking Number 8155 1526 6[illegible]

Form 0215

1 From Please print and press hard

Date 10/14/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Alan J Cook Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference First 24 characters will appear on invoice 23548.020.005

3 To Recipient's Name Betsy Bachmp Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LA ROCHE AVE Dept./Floor/Suite/Room
We cannot deliver to PO boxes or PO ZIP codes

To "HOLD" at FedEx location, print FedEx address here

City SAVANNAH State GA ZIP 31404

NEW Peel and Stick FedEx USA Airbill™

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability

4a Express Package Service Packages up to 150 lbs. Delivery commitment may be later in some areas

- [X] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One-pound rate

4b Express Freight Service Packages over 150 lbs. Delivery commitment may be later in some areas

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation:

5 Packaging * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg

6 Special Handling

- [ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? (One box must be checked)

- [X] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging.

7 Payment Bill to:

- [X] Sender — Acct No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct No. / Credit Card No. Exp Date

Total Packages	Total Weight	Total Declared Value†
1	47	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details

FedEx Use Only

8 Release Signature Sign to authorize delivery without obtaining signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims

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RETAIN THIS COPY FOR YOUR RECORDS

CHAIN OF CUSTODY

SAMPLER'S SIGNATURE: [signature]

CO.Name: Solutia Inc

Contact Name: Kimberly Perry-Solutia

Address: Sauget, IL

Project Name: Sauget Area 1

PO#: Bill to Solutia

Phone #: 314 / 842 / 4550

Total No. of Containers: 9

Analysis Wanted
① DIOXIN 8280A
② DIOXIN 8290

SIA No.	Date	Time	Comp	Grab	Sample I.D.#	# of Cont.	①	②						Remarks / Preservative
Site M	10/14/99	1115	X		WASTE-M-B1	1	X							Cool
Site M	10/14/99	1200	X		WASTE-M-B2	1	X							Cool
Site M	10/14/99	1230	X		WASTE-M-B3	1	X							Cool
Site M	10/14/99	1245	X		WASTE-M-B4	1	X							Cool
Site M	10/14/99	1245	X		WASTE-M-B4 DUP	1	X							Cool
Site M	10/14/99	1630	X		WASTE-M-EB	2								Cool, $Na_2S_2O_3$
Shallow Resd. GW	10/14/99	1100		X	SGW-S1-20FT	2		X						Cool, $Na_2S_2O_3$

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
[signature]	10/14/99 1800	FedX 8157 4791 9998			
Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.

Received for Laboratory By/Signature	Date/Time	Send Samples To: Triangle Laboratories of RTP, Inc. 801 Capitola Drive Durham, North Carolina 27713

COC/DUI

REVISION 5/23/94

53A-75

FedEx *USA Airbill* FedEx Tracking Number 8157 4741 18

Form I.D. No. 0215

1 From *Please print and press hard*

Date 10/14/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Alan J Cook Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference First 24 characters will appear on invoice 23548.020.005

3 To Recipient's Name Frank Stevens Phone ( )

Company TRIANGLE LABORATORIES

Address 801 CAPITOLA DR
We cannot deliver to PO boxes or PO ZIP codes. Dept./Floor/Suite/Room

To "HOLD" at FedEx location, print FedEx address here

City DURHAM State NC ZIP 27713

NEW Peel and Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

0111963289

4a Express Package Service *Packages up to 150 lbs.* Delivery commitment may be later in some areas

- [x] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One pound rate

4b Express Freight Service *Packages over 150 lbs.* Delivery commitment may be later in some areas

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [x] ~~Other Pkg.~~ — Includes FedEx Box, FedEx Tube, and customer pkg.

6 Special Handling

- [ ] **Saturday Delivery** — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] **Sunday Delivery** — Available for FedEx Priority Overnight to select ZIP codes
- [ ] **HOLD Weekday at FedEx Location** — Not available with FedEx First Overnight
- [ ] **HOLD Saturday at FedEx Location** — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? One box must be checked.

- [x] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ kg

Dangerous Goods cannot be shipped in FedEx packaging

- [ ] Cargo Aircraft Only

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below

- [x] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	45	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details. FedEx Use Only

8 Release Signature *Sign to authorize delivery without obtaining signature*

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

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53A-76

Serial Number 138347

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: (954) 421-7400 — Fax: (954) 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
☐ 1100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Solutia Sauget Area 1	23548	Bill to Solutia

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE / FAX
IL	William E. Wright	PHONE 314 842-4550 / FAX (314) 842-3266

CLIENT NAME	CLIENT PROJECT MANAGER
Solutia	Kimberly Perry - Solutia

CLIENT ADDRESS (CITY, STATE, ZIP): St. Louis, MO

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: SVOCs (8270C) / PCBs (8080) / Pesticides (8081A) / Herbicides (8151A) / Metals (6010B) / Mercury (7470A) / Cyanide (9010B)

PAGE 1 OF 1

☒ STANDARD REPORT DELIVERY
☐ EXPEDITED REPORT DELIVERY (surcharge)
Date Due

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	SVOCs (8270C)	PCBs (8080)	Pesticides (8081A)	Herbicides (8151A)	Metals (6010B)	Mercury (7470A)	Cyanide (9010B)				REMARKS
								cool	cool	cool	cool	HNO3 cool	HNO3 cool	NaOH cool				
10/11/99	1630		Waste-111-EB	X				2	2	2	2	1	1	1				
10/11/99	—		Temp Blank	X														

53A-77

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			William E. Wright	10/14/99	1400			

RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
William E. Wright	10/14/99	0810	FedEx 8155 [illegible] 6515	10/14/99	19:00			

LABORATORY USE ONLY

fedex USA Airbill FedEx Tracking Number 8155 1526 65__

Form I.D. No. 0215

1 FROM Please print and press hard

Date 10/14/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Bill Wright Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference
First 24 characters will appear on invoice

3 To
Recipient's Name Betsy Beauchamp Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LA ROCHE AVE Dept./Floor/Suite/Room
We cannot deliver to PO boxes or PO ZIP codes

To "HOLD" at FedEx location, print FedEx address here

City SAVANNAH State GA ZIP 31404

NEW Peel and Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)
Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability

4a Express Package Service — *Packages up to 150 lbs.* Delivery commitment may be later in some areas

- [X] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One pound rate

4b Express Freight Service — *Packages over 150 lbs.* Delivery commitment may be later in some areas

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging — * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg

6 Special Handling

- [ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?

- [X] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ___ x ___ kg
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging

7 Payment *Bill to:*

- [X] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	47	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details

FedEx Use Only

8 Release Signature — Sign to authorize delivery without obtaining signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

359

0111962862

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53A-78

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

[X] 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: (954) 421-7400 — Fax: (954) 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
[ ] 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Solutia Sauget Area 1	23548	Direct Bill Solutia

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE / FAX
IL	Tony Finch / Dave Haverdink	PHONE 314 842 4550 / FAX 314 842 3266

CLIENT NAME	CLIENT PROJECT MANAGER
Solutia	Kimberly Perry – Solutia

CLIENT ADDRESS (CITY, STATE, ZIP): St. Louis, MO

PAGE 1 OF

[X] STANDARD REPORT DELIVERY
[ ] EXPEDITED REPORT DELIVERY (surcharge)
Date Due:

MATRIX TYPE: AQUEOUS (WATER), SOLID OR SEMISOLID, AIR, NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES — NUMBER OF CONTAINERS SUBMITTED

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	TCLP VOCs 8260B (Cool)	TCLP SVOCs 8270C (Cool)	TCLP Herbicides 8151A (Cool)	TCLP Pesticides 8081A (Cool)	TCLP Metals 6010B (Cool)	TCLP Mercury 7470 (Cool)	Cyanide 9010B (Cool)	Ignitability 1010/1020A (Cool)	Corrosivity 1110 (Cool)	Reactivity 9014 (Cool)	VOCs (8260 B) (Cool HCL)			REMARKS
/15/99	1030		WASTE-I-B5-Comp		X				1			1	1	1	1						
/15/99	1030		WASTE-I-B5-Comp MS/MSD2		X				1			1	1	[illegible]	[illegible]						
/15/99	1030		WASTE-I-B5-Comp DUP2		X				1			1	1	[illegible]	1						
/15/99	930		WASTE-I-B5 (24-26')		X			1													
/15/99	930		WASTE-I-B5 (24-26') MS/MSD2		X			1													
/15/99	930		WASTE-I-B5 (24-26') DUP2		X			1													
/15	1530	X	Waste-I-B2 Comp		X				1	1		1	1	1	1						* rec'd - not on C.O.C
			Waste-I-B2 (2-4')		X			1													
10/15/99	—		Temp Blank	X				[illegible]									3				
	—		Temp Blank	X																	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
S. Campbell	9/27/99		[signature]	10/15/99	1800			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
[signature]	10/15/99	0615	FedX #8155 1526 6520	10/15/99	1800			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS
[signature]	10/16/99	10:04	[X] YES [ ] NO		59-16977	

53A-79

STL SAVANNAH LABS

JUN-05-2000 17:17

912 352 0165

TOTAL P.02

ORIGINAL

FedEx USA Airbill FedEx Tracking Number 8155 1526 6570

Form I.D. No. 0215

1 From (Please print and press hard)

Date 10/15/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Tony Finca Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference (First 24 characters will appear on invoice) 23548.020.005

3 To Recipient's Name Betsy Beachup Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LA ROCHE AVE Dept./Floor/Suite/Room

We cannot deliver to PO boxes or PO ZIP codes

To "HOLD" at FedEx location, print FedEx address here

City SAVANNAH State GA ZIP 31404

NEW Peel and Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1-800-Go-FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability

0111962862

4a Express Package Service — Packages up to 150 lbs. Delivery commitment may be later in some areas

- [X] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One pound rate

4b Express Freight Service — Packages over 150 lbs. Delivery commitment may be later in some areas

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging — * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg — Includes FedEx Box, FedEx Tube, and customer pkg

6 Special Handling

- [X] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?

- [X] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ___ x ___ kg
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging

7 Payment Bill to:

- [X] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	40	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details. FedEx Use Only

8 Release Signature — Sign to authorize delivery without obtaining signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims

359

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SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

[X] 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: (954) 421-7400 — Fax: (954) 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
[ ] 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

PROJECT REFERENCE: Solutia Sauget Areal
PROJECT NO.: 23548
P.O. NUMBER: Bill Direct to Solutia
PAGE 1 OF 1
PROJECT LOC. (State): IL
SAMPLER(s) NAME: Tom Finch / Dave Haverdink
PHONE: 314 842 4550
FAX: 314 842 3266
CLIENT NAME: Solutia
CLIENT PROJECT MANAGER: Kimberly Perry - Solutia
CLIENT ADDRESS (CITY, STATE, ZIP): St. Louis, MO

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES

[X] STANDARD REPORT DELIVERY
[ ] EXPEDITED REPORT DELIVERY (surcharge)
Date Due

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	NUMBER OF CONTAINERS SUBMITTED										REMARKS
10/15/99	1700		WASTE-I-B-[illegible] EB2	X				4	2	2	3	1	1	1				
10/15/99			TRIP BLANK								3							
[illegible]	-		TEMP BLANK															

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	9/27/99		[signature]	10/15/99	1800			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
[signature]	9/15/99	0615	Fed X #81-5152 6554	10/15/99	1800			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			[ ] YES [ ] NO			

CLIENTS FIELD COPY

53A-81

FedEx USA Airbill FedEx Tracking Number 8155 1526 6[illegible] Form 0215

1 From Please print and press hard

Date 10/14/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Alan Cook Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference First 24 characters will appear on invoice 23548.030.008

3 To Recipient's Name Betsy Bachamp Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LA ROCHE AVE Dept./Floor/Suite/Room

We cannot deliver to PO Boxes or PO ZIP codes

To "HOLD" at FedEx location, print FedEx address here

City SAVANNAH State GA ZIP 31404

NEW Peel and Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability

0111962862

4a Express Package Service — *Packages up to 150 lbs.* Delivery commitment may be later in some areas

- [X] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge. One-pound rate

4b Express Freight Service — *Packages over 150 lbs.* Delivery commitment may be later in some areas

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging — * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg — Includes FedEx Box, FedEx Tube, and customer pkg

6 Special Handling

- [X] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?

- [X] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 x kg
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging

7 Payment *Bill to:*

- [X] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	42	$ .00

FedEx Use Only

*Our liability is limited to $100 unless you declare a higher value. See back for details.

8 Release Signature *Sign to authorize delivery without obtaining signature*

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

359

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RETAIN THIS COPY FOR YOUR RECORDS

CLIENT CHAIN OF CUSTODY **SAMPLER'S SIGNATURE** [signature] **Project/Quote 04939/9900001069**

From (1): Solutia,Inc.
575 Maryville Center Drive
St. Louis, MO 63141

Project (1): Sauget Area 1 Support Sampling

(SOL05 /FMS)

Contact: Mr. Alan Cork
Phone: 314-674-3402
Fax: 314-674-8957
P.O.# (1): Direct Bill Solutia

Data to be reported to the state of MO.

Analysis Wanted (2): TCLP 8260 D1074NS; DIOXINS (6260)

Total Number of Containers: 6

Turn Around Time (In Calendar Days):

Sample ID (3)	Date / Time	Preservation (4)	Matrix	Sample Amt.						Remarks
WASTE-I-B5-comp	10/15/99 1030	cooled on ice	Soil	1 LT	X					
WASTE-I-B5-comp DUP2	10/15/99 1030	↓	↓	1 LT	X					
WASTE-I-B5-comp MS/MSD2	10/15/99 1030	↓	↓	1 LT	X					
WASTE-I-B2-comp	10/15/99	Cool on Ice	Soil	1 LT	X					
WASTE-I-B-comp EB2	10/15/99	Cool on Ice	Water	2l		X				

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
[signature]	10-15-99 1800	FEDEX # 815747919965			

Received for Laboratory By/Signature	Date/Time	Send Samples to: Triangle Laboratories, Inc. Attn: Sample Custodian 801 Capitola Drive Durham, NC 27713 USA Phone: (919) 544-5729 • Fax: (919) 544-5491

Directions:
(1) Provide and/or correct client and project information.
(2) Verify analysis, check approriate boxes for each sample.
(3) Enter the sample ID to be used when reporting the samples.
(4) Please indicate the preservation used for each sample.

fedEx USA Airbill FedEx Tracking Number 8157 4791 [illegible]

Form ID No. 0215

1 From (Please print and press hard)

Date 10/15/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Tony Finat Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference First 24 characters will appear on invoice

3 To Recipient's Name FRANK Stevens Phone ( )

Company TRIANGLE LABORATORIES

Address 801 CAPITOLA DR Dept./Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes.

To "HOLD" at FedEx location, print FedEx address here

City DURHAM State NC ZIP 27713

NEW Peel and Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

0111963289

4a Express Package Service — *Packages up to 150 lbs.* Delivery commitment may be later in some areas

- [X] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One-pound rate

4b Express Freight Service — *Packages over 150 lbs.* Delivery commitment may be later in some areas

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging — * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg — Includes FedEx Box, FedEx Tube, and customer pkg

6 Special Handling

- [X] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? One box must be checked

- [X] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous Goods cannot be shipped in FedEx packaging

[ ] Cargo Aircraft Only

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below

- [X] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	25	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details

FedEx Use Only

8 Release Signature *Sign to authorize delivery without obtaining signature*

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

359

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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
☐ 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
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE	PROJECT NO.	PO NUMBER
[illegible]	[illegible]	[illegible]

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
MO	Todd [illegible]	314 512 [illegible]	314 842-[illegible]

CLIENT NAME	CLIENT PROJECT MANAGER
[illegible]	[illegible]

CLIENT ADDRESS (CITY, STATE, ZIP): St Louis, MO

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: [illegible]

PAGE 1 OF 1

☒ STANDARD REPORT DELIVERY
☐ EXPEDITED REPORT DELIVERY (surcharge)
Date Due

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	REMARKS
11/30/99	0915		WASTE - N [illegible]	X				3	2		1	1					
11/30/99	1340		WASTE - N [illegible]	X				3	2		1	1					
11/30/99	1340		WASTE - N B2 [illegible] MS/MSD	X				3	2		1	1					
11/30/99	1500		WASTE - N [illegible]	X				3	2		1	1					
11/30/99	-		Rinse Blank	X				3									
-	-		Temp Blank	X													

53A-85

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY (SIGNATURE)	DATE	TIME	RELINQUISHED BY (SIGNATURE)	DATE	TIME
[illegible]	11/30/99	1600						

RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
FEDEX 8170 9422 8188	11/30/99	1600						

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			☐ YES ☐ NO			

FedEx USA Airbill FedEx Tracking Number 815256678901

Form ID No. 0200

1 Please print and press hard

Date 11/30/99

Sender's FedEx Account Number 1187-9587-3

Sender's Name TONY FINCH

Company O'BRIEN & GERE

Phone (314) 8424550

Address 5000 CEDAR PLAZA PKWY STE 211

City ST LOUIS

State MO ZIP 63128

Dept./Floor/Suite/Room

2 Your Internal Billing Reference (first 24 characters will appear on invoice) 23548.020.005

3 To

Recipient's Name BETSY BEAUCHAMP

Company SAVANNAH LABORATORIES

Phone (912) 354 7858

Address 5102 LAROCHE AVE

We cannot deliver to P.O. boxes or P.O. ZIP codes

To "HOLD" at FedEx location print FedEx address here

City SAVANNAH

State GA ZIP 31404

Dept./Floor/Suite/Room

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

4a Express Package Service

[X] FedEx Priority Overnight — Next business morning

[ ] FedEx Standard Overnight — Next business afternoon

[ ] FedEx First Overnight — Earliest next business morning delivery to select locations

[ ] FedEx 2Day* — Second business day

[ ] FedEx Express Saver* — Third business day

Packages up to 150 lbs. Delivery commitment may be later in some areas.

4b Express Freight Service

[ ] FedEx 1Day Freight* — Next business day

[ ] FedEx 2Day Freight — Second business day

[ ] FedEx 3Day Freight — Third business day

Packages over 150 lbs. Delivery commitment may be later in some areas.

* Call for Confirmation

* FedEx Letter Rate not available. Minimum charge. One pound rate.

5 Packaging

[ ] FedEx Letter*

[ ] FedEx Pak*

[X] Other Pkg. Includes FedEx Box, FedEx Tube and customer pkg.

* Declared value limit $500

6 Special Handling

[ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes

[ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes

[ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight

[ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? Do Ice Ice Ice checked

[X] No

[ ] Yes — As per attached Shipper's Declaration

[ ] Yes — Shipper's Declaration not required

[ ] Dry Ice — Dry Ice, 9, UN 1845 ___ x ___ kg

[ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging

7 Payment Bill to:

[X] Sender — Acct. No. in Section 1 will be billed

[ ] Recipient

[ ] Third Party

[ ] Credit Card

[ ] Cash/Check

FedEx Acct. No. / Credit Card No.

Total Packages 1

Total Weight 28

Total Declared Value† $ ___ .00

Exp. Date

†Our liability is limited to $100 unless you declare a higher value. See back for details.

8 Release Signature — Sign to authorize delivery without obtaining signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

FedEx Use Only

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RETAIN THIS COPY FOR YOUR RECORDS

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
[ ] 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
[ ] 100 Alpha Drive, Suite 110, Destrehan, LA 70047 Phone: (504) 764-1100 Fax: (504) 725-1163

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE: Solutia Sauger Areal
PROJECT NO.: [illegible]
P.O. NUMBER: [illegible] Solutia
PROJECT LOC. (State): IL
SAMPLER(s) NAME: Tony Finch / Dave / Hawkins
PHONE: 314 - 842 - 4553
FAX: 314 842 - 320[illegible]
CLIENT NAME: Solutia
CLIENT PROJECT MANAGER: Kimberly Tyson - Solutia
CLIENT ADDRESS (CITY, STATE, ZIP): St Louis, MO

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: 8260B, 8270C, 1680, 8081A, 8151A, 9080B, 6010A, 7471A, 1002, 1110, 9214

PAGE 1 OF

[X] STANDARD REPORT DELIVERY
[ ] EXPEDITED REPORT DELIVERY (surcharge)
Date Due

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	NUMBER OF CONTAINERS SUBMITTED										REMARKS
11/30/94	1220		WASTE-N-F1-comp		X			2	1		1	1	1					
11/30/94	1220		WASTE-N-B1-14-16FT JSB		X													corrected by DEH
11/30/94	—		Trip Blank	X				3										
—	—		Trip Blank	X														

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	11/30/94	1600						
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
Fedex # 8170 9422 8477	11/30/94	1600						

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			[ ] YES [ ] NO			

53A-87

fedEx USA Airbill FedEx Tracking Number 8170 942 0477

Form ID No. 0215

1 From (Please print and press hard)

Date 11/30/94

Sender's FedEx Account Number 1187-9587-3

Sender's Name Tony Finett

Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211

Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference (first 24 characters will appear on invoice) 235498.020.005

3 To

Recipient's Name BETSY BEAUCHAMP

Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LAROCHE AVE

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

To HOLD at FedEx location, print FedEx address here

City SAVANNAH State GA ZIP 31404

NEW FOR THE TICKET FEDEX VEA AIRBILL

See back for application instructions

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

0119391431

4a Express Package Service — **Packages up to 150 lbs.** Delivery commitment may be later in some areas

- [X] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One pound rate

4b Express Freight Service — **Packages over 150 lbs.** Delivery commitment may be later in some areas

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging — * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg

6 Special Handling

- [ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day in select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight in select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day in select locations

Does this shipment contain dangerous goods? (One box must be checked)

- [X] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ___ kg
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging.

7 Payment — Bill to:

- [X] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. — Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	13	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details.

FedEx Use Only

8 Release Signature — Sign to authorize delivery without obtaining signature.

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

359

SRP 1199-Rev. Date 11/98-Part #154813-© 1994-98 FedEx-PRINTED IN U.S.A.

RETAIN THIS COPY FOR YOUR RECORDS

CLIENT CHAIN OF CUSTODY **SAMPLER'S SIGNATURE** [signature] **Project/Quote 05023/990000[illegible]**

From (1) Solutia, Inc.
575 Maryville Center Drive
St. Louis, MO 63141
Project (1) Sauget Area 1 Support Sampling

Contact A. Cork
Phone 314 393 3721
Fax 314 674-8957
P.O.# (1) DIRECT Bill Solutia

(SOL05 /FMS) Data to be reported to the state of MO.

Analysis Wanted (2): TCLP Dioxins 8280A; Dioxins 8280A

Total Number of Containers: 5

Turn Around Time (In Calendar Days)

Sample ID (3)	Date / Time	Preservation (4)	Matrix	Sample Amt.	TCLP Dioxins 8280A	Dioxins 8280A				Remarks
WASTE-N-B1-Comp	11/30/99 1220	KE	Soil	1 - 1 Lt	X					
WASTE-N-B1-0.5FT	11/30/99 0915	↓	↓	↓		X				
WASTE-N-B2-0.5FT	11/30/99 1340	↓	↓	↓		X				
WASTE-N-B2-0.5FT MS/MSD	11/30/99 1340	↓	↓	↓		X				
WASTE-N-B3-0.5FT	11/30/99 1500	↓	↓	↓		X				

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
[signature]	11/30/99 1600	FEDEX # 8157 4791 9748			

Received for Laboratory By/Signature	Date/Time	Send Samples to:
		Triangle Laboratories, Inc. Attn: Sample Custodian 801 Capitola Drive Durham, NC 27713 USA Phone: (919) 544-5729 • Fax: (919) 544-5491

Directions:
(1) Provide and/or correct client and project information.
(2) Verify analysis, check approriate boxes for each sample.
(3) Enter the sample ID to be used when reporting the samples.
(4) Please indicate the preservation used for each sample.

FedEx USA Airbill 8157 4711 9748

Form ID No. 0215

1 From (Your name and address)

Date 11/30/99

Sender's FedEx Account Number 1187-9587-3

Sender's Name Tony Finut

Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211

Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference (First 24 characters will appear on invoice) 235485.020.005

3 To

Recipient's Name Frank Stevens

Phone 919 544-5729

Company TRIANGLE LABORATORIES

Address 801 CAPITOLA DR

We cannot deliver to PO boxes or PO ZIP codes

Dept./Floor/Suite/Room

To "HOLD" at FedEx location print FedEx address here

City DURHAM State NC ZIP 27713

See back for application instructions.

Questions? Call 1·800·Go·FedEx* (800-463 3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

0111963289

4a Express Package Service — **Packages up to 150 lbs.** Delivery commitment may be later in some areas

- [X] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One pound rate

4b Express Freight Service — **Packages over 150 lbs.** Delivery commitment may be later in some areas

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging — * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg — Includes FedEx Box, FedEx Tube, and customer pkg

6 Special Handling

- [ ] **Saturday Delivery** — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] **Sunday Delivery** — Available for FedEx Priority Overnight to select ZIP codes
- [ ] **HOLD Weekday at FedEx Location** — Not available with FedEx First Overnight
- [ ] **HOLD Saturday at FedEx Location** — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?

- [ ] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ___ kg

Dangerous Goods cannot be shipped in FedEx packaging

[ ] Cargo Aircraft Only

7 Payment **Bill to:**

- [X] Sender (Acct. No. in Section 1 will be billed)
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. — Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	31	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details.

FedEx Use Only

8 Release Signature — Sign to authorize delivery without obtaining signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

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53A-90

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
☐ 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
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Solutia Sauget Area 1	23548	Direct Bill Solutia

PROJECT LOC. (State): IL
SAMPLER(s) NAME: Tony Finch / Bill Wright
PHONE: 314-842-4550
FAX: 314-842-3266
CLIENT NAME: Solutia
CLIENT PROJECT MANAGER: Kimberly Perry - Solutia
CLIENT ADDRESS (CITY, STATE, ZIP): St. Louis, MO

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES — PAGE 1 OF 1

☒ STANDARD REPORT DELIVERY
☐ EXPEDITED REPORT DELIVERY (surcharge)
Date Due:

PRESERVATIVE

NUMBER OF CONTAINERS SUBMITTED

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	TCLP VOCs 8260B	TCLP SVOCs 8270	TCLP PCBs 6800	TCLP HERBICIDES 8151A	TCLP PESTICIDES 8081A	TCLP CYANIDE 9010B	TCLP METALS 6010B	TCLP MERCURY 7471A	IGNITABILITY 1020A	REACTIVITY 9014	CORROSIVITY 1110	REMARKS
12/1/99	1015		WASTE - N - B2 - (14-16')		X			1											
12/1/99	1015		WASTE - N - B2 - (14-16') MS/MSD		X			1											
12/1/99	1015		WASTE - N - B2 - Comp		X				1		1	1	1						
12/1/99	1015		WASTE - N - B2 - Comp MS/MSD		X				1		1	1	[illegible]						
12/1/99	1400		WASTE - N - B3 - (2-4')		X			1	[illegible]										
12/1/99	1400		WASTE - N - B3 - (2-4') FD		X			1											
12/1/99	1430		WASTE - N - B3 - Comp		X			[illegible]	1		1	1	1						
12/1/99	1430		WASTE - N - B3 - Comp FD		X			[illegible]	1		1	1	1						
12/1/99	—		Trip Blank	X				3											
—	—		Temp Blank	X															

53A-91

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	12/1/99	1700						
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
FEDEX #8170 9422 7362	12/1/99	1700						

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			☐ YES ☐ NO			

CLIENTS FIELD COPY

FedEx USA Airbill FedEx Tracking Number 8170 446 562

Sender's Copy

1 From Please print and press hard

Date 12/1/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Tony Finch Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference
First 24 characters will appear on invoice

3 To

Recipient's Name BETSY BEAUCHAMP Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LAROCHE AVE
We cannot deliver to PO boxes or PO ZIP codes Dept./Floor/Suite/Room

To "HOLD" at FedEx location, print FedEx address here

City SAVANNAH State GA ZIP 31404

NEW Peel and Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800 463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability

0119391431

4a Express Package Service *Packages up to 150 lbs.* Delivery commitment may be later in some areas.

- [X] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One-pound rate

4b Express Freight Service *Packages over 150 lbs.* Delivery commitment may be later in some areas.

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg — Includes FedEx Box, FedEx Tube, and customer pkg.

6 Special Handling

- [ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? One box must be checked

- [ ] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below

- [X] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	30	$ 00

†Our liability is limited to $100 unless you declare a higher value. See back for details. FedEx Use Only

8 Release Signature *Sign to authorize delivery without obtaining signature.*

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims

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CLIENT CHAIN OF CUSTODY **SAMPLER'S SIGNATURE** [signature] **Project/Quote 05023/9900001069**

From (1): Solutia, Inc.
575 Maryville Center Drive
St. Louis, MO 63141
Project (1): Sauget Area 1 Support Sampling

Contact: A. Cork
Phone: 314-393-3721
Fax: 314-674-8957
P.O.# (1): Direct Bill Solutia

(SOL05/FMS) Data to be reported to the state of MO.

Analysis Wanted (2): TCLP Dioxin 8280

Total Number of Containers: 4

Turn Around Time (In Calendar Days)

Sample ID (3)	Date / Time	Preservation (4)	Matrix	Sample Amt.	TCLP Dioxin 8280					Remarks
WASTE N-B2 Comp	12/1/99 1015	ICE	Soil	1-1 LT	X					
WASTE N-B2 Comp MS/MSD	12/1/99 1015	↓	↓	↓	X					
WASTE N-B3 Comp	12/1/99 1430	↓	↓	↓	X					
WASTE N-B3 Comp FD	12/1/99 1430	↓	↓	↓	X					

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
[signature]	12/1/99 1645	FEDEX #8170 9423 1495			

Received for Laboratory By/Signature	Date/Time	Send Samples to: Triangle Laboratories, Inc. Attn: Sample Custodian 801 Capitola Drive Durham, NC 27713 USA Phone: (919) 544-5729 • Fax: (919) 544-5491

Directions: (1) Provide and/or correct client and project information.
(2) Verify analysis, check appropriate boxes for each sample.
(3) Enter the sample ID to be used when reporting the samples.
(4) Please indicate the preservation used for each sample.

53A-93

FedEx USA Airbill FedEx Tracking Number 8170 9423 . 75

Sender's Copy

1 From Please print and press hard

Date 12/1/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Tony Finest Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference

3 To

Recipient's Name FRANK STEVENS Phone (919) 544-5729

Company TRIANGLE LABORTIES

Address 801 CAPITOLA DR

City DURHAM State NC ZIP 27713

NEW Peel and Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

0119392504

4a Express Package Service

- [X] FedEx Priority Overnight
- [ ] FedEx Standard Overnight
- [ ] FedEx First Overnight
- [ ] FedEx 2Day
- [ ] FedEx Express Saver

4b Express Freight Service

- [ ] FedEx 1Day Freight
- [ ] FedEx 2Day Freight
- [ ] FedEx 3Day Freight

5 Packaging

- [ ] FedEx Letter
- [ ] FedEx Pak
- [X] Other Pkg

6 Special Handling

- [ ] Saturday Delivery
- [ ] Sunday Delivery
- [ ] HOLD Weekday at FedEx Location
- [ ] No
- [ ] Yes
- [ ] Dry Ice
- [ ] Cargo Aircraft

7 Payment Bill to:

- [X] Sender
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card

Total Packages Total Weight Total Declared Value

8 Release 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
☐ 2846 Industrial Plaza Drive, Tallahassee, FL 32301 — Phone: (904) 878-3994 — Fax: (904) 878-9504
☐ 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
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

PROJECT REFERENCE: Solutia Sauget Areal
PROJECT NO.: 23548
P.O. NUMBER: Direct Bill Solutia
PROJECT LOC. (State): IL
SAMPLER(s) NAME: Tony Finch / Bill Wright
PHONE: 314-842-4550
FAX:
CLIENT NAME: Solutia
CLIENT PROJECT MANAGER: Kimberly Perry - Solutia
CLIENT ADDRESS (CITY, STATE, ZIP): St. Louis, MO

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: VOCs 8260B; SVOCs 8270C; TCBs 680; Dioxins 8081A; Herbicides 8151A; Metals 6010B; Mercury 7471A; Cyanide 9010B; ICE

PAGE 1 OF 1

☒ STANDARD REPORT DELIVERY
☐ EXPEDITED REPORT DELIVERY (surcharge)
Date Due:

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	NUMBER OF CONTAINERS SUBMITTED										REMARKS
12/2/99	0800		WASTE-N-B4-0.5FT		X			3	1		1	1						
12/2/99	0800		WASTE-N-B4-0.5FT FD		X			3	1		1	1						
—	—		Trip Blank	X				3										
—	—		Temp Blank	X														

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	12/2/99	1620						
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
Fedex #8170 9422 75T3	12/2/99	1620						

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			☐ YES ☐ NO			

53A-95

CLIENTS FIELD COPY

FedEx USA Airbill FedEx Tracking Number 8170 9422 7573

SDA12

0215

Sender's Copy

1 From Please Print and press hard

Date 12/2/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Tony Finett Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211

Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference
First 24 characters will appear on invoice

3 To

Recipient's Name BETSY BEAUCHAMP Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LAROCHE AVE

We cannot deliver to P.O. boxes or P.O. ZIP codes

Dept./Floor/Suite/Room

To "HOLD" at FedEx location, print FedEx address here

City SAVANNAH State GA ZIP 31404

NEW Peel and Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1-800-Go-FedEx* (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability

0119391431

4a Express Package Service — *Packages up to 150 lbs.* Delivery commitment may be later in some areas

[X] FedEx Priority Overnight — Next business morning
[ ] FedEx Standard Overnight — Next business afternoon
[ ] FedEx First Overnight — Earliest next business morning delivery to select locations
[ ] FedEx 2Day* — Second business day
[ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One pound rate

4b Express Freight Service — *Packages over 150 lbs.* Delivery commitment may be later in some areas

[ ] FedEx 1Day Freight* — Next business day
[ ] FedEx 2Day Freight — Second business day
[ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging — * Declared value limit $500

[ ] FedEx Letter*
[ ] FedEx Pak*
[X] Other Pkg — Includes FedEx Box, FedEx Tube, and customer pkg

6 Special Handling

[ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
[ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
[ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
[ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?

[ ] No
[ ] Yes — As per attached Shipper's Declaration
[ ] Yes — Shipper's Declaration not required
[ ] Dry Ice — Dry Ice, 9, UN 1845 ___ kg

Dangerous Goods cannot be shipped in FedEx packaging

[ ] Cargo Aircraft Only

7 Payment *Bill to:*

[X] Sender — Acct. No. in Section 1 will be billed
[ ] Recipient
[ ] Third Party
[ ] Credit Card
[ ] Cash/Check

FedEx Acct. No. / Credit Card No. — Exp. Date

Total Packages — Total Weight — Total Declared Value† $ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details

FedEx Use Only

8 Release Signature — Sign to authorize delivery without obtaining signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims

359

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RETAIN THIS COPY FOR YOUR RECORDS

53A-96

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC

[illegible]102 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
☐ 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
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE: [illegible] Study Area 1
PROJECT NO.: 73148
PO NUMBER: [illegible]
PROJECT LOC. (State): IL
SAMPLER(s) NAME: TONY [illegible]
PHONE: 314 [illegible]
FAX:
CLIENT NAME: Solutia
CLIENT PROJECT MANAGER: Kimberly Perry Solutia
CLIENT ADDRESS (CITY, STATE, ZIP): St. Louis, MO

PAGE 1 OF 1

☒ STANDARD REPORT DELIVERY
☐ EXPEDITED REPORT DELIVERY (surcharge)
Date Due

REQUIRED ANALYSES: [illegible] B, 524.2, 8240C, 8260B, 624, 7470, 9010B, 1020B, 9014, 4110D

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (oil, solvent, etc)	NUMBER OF CONTAINERS SUBMITTED									REMARKS
								ICE									
12/2/99	0930		WASTE - N - B-1 - (0-2')		X			1									
12/2/99	0930		[illegible] N B1 - Comp		X				1		1	1	1				
—	—		[illegible] Blank	X													
—	—		[illegible] Blank	X				3									

53A-97

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	12/2/99	1615						
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
FEDEX # 8170 9422 7584	12/2/99	1615						

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			☐ YES ☐ NO			

CLIENTS FIELD COPY

FedEx USA Airbill FedEx Tracking Number 8170 9422 7584

Form 0215

1 From Please print and press hard

Date 12/2/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Tony Finch Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference First 24 characters will appear on invoice

3 To Recipient's Name BETSY BEAUCHAMP Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LAROCHE AVE

We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept./Floor/Suite/Room

To "HOLD" at FedEx location, print FedEx address here

City SAVANNAH State GA ZIP 31404

NEW! Fold and Stick FedEx USA Airbill!

See back for application instructions

Questions? Call 1·800·Go·FedEx* (800·463·3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

0119391431

4a Express Package Service — **Packages up to 150 lbs.** Delivery commitment may be later in some areas

- [X] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One pound rate

4b Express Freight Service — **Packages over 150 lbs.** Delivery commitment may be later in some areas

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging — * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg.

6 Special Handling

- [ ] **Saturday Delivery** — Available for FedEx Priority Overnight and FedEx 2Day in select ZIP codes
- [ ] **Sunday Delivery** — Available for FedEx Priority Overnight to select ZIP codes
- [ ] **HOLD Weekday at FedEx Location** — Not available with FedEx First Overnight
- [ ] **HOLD Saturday at FedEx Location** — Available for FedEx Priority Overnight and FedEx 2Day in select locations

Does this shipment contain dangerous goods? (One box must be checked)

- [ ] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous Goods cannot be shipped in FedEx packaging

- [ ] Cargo Aircraft Only

7 Payment Bill to: (For FedEx Express Credit Card No. below)

- [ ] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
		$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details.

FedEx Use Only

8 Release Signature Sign to authorize delivery without obtaining signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

359

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RETAIN THIS COPY FOR YOUR RECORDS

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
☐ 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
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

PROJECT REFERENCE: Solutia Sauget Area
PROJECT NO.: 23548
P.O. NUMBER: DIRECT Bill Solutia
PROJECT LOC. (State): IL
SAMPLER(s) NAME: Tim Finnell / Bill Wielbill
PHONE: 314 · 842 4530
FAX:
CLIENT NAME: Solutia
CLIENT PROJECT MANAGER: Kimberly Perry - Solutia
CLIENT ADDRESS (CITY, STATE, ZIP): St. Louis, MO

PAGE 1 OF 1

☒ STANDARD REPORT DELIVERY
☐ EXPEDITED REPORT DELIVERY (surcharge)
Date Due

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: VOCs 8260B; SVOCs 8270C; PCBs 608; Pesticides 8081A; Herbicides 8151A; Cyanide 9010B; Metals 6010B; Mercury 7470A

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	VOCs 8260B	SVOCs 8270C	PCBs 608	Pesticides 8081A	Herbicides 8151A	Cyanide 9010B	Metals 6010B	Mercury 7470A			REMARKS
12/2/99	1445		WASTE - N-B4 - 0.5ft EB	X				3	2	2	2	2	1	1	1			
12/2/99	–		Trip Blank	X				3										
–	–		Trip Blank	X														

53A-99

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	12/2/99	1600						
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
FEDEX 8170 9422 8455	12/2/99	1600						

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS
			☐ YES ☐ NO			

CLIENTS FIELD COPY

FedEx USA Airbill FedEx Tracking Number 8170 4422 8455

0215

1 From (Please print and press hard)

Date 12/2/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Tony Finest Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference
First 24 characters will appear on invoice

3 To

Recipient's Name BETSY BEAUCHAMP Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LAROCHE AVE
We cannot deliver to P.O. boxes or P.O. ZIP codes Dept./Floor/Suite/Room

To "HOLD" at FedEx location print FedEx address here

City SAVANNAH State GA ZIP 31404

NEW Peel and Stick FedEx USA Airbill
See back for application instructions.

Questions? Call 1·800·Go·FedEx (800-463-3339)
Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability

0119391431

4a Express Package Service — *Packages up to 150 lbs.* Delivery commitment may be later in some areas

[X] FedEx Priority Overnight — Next business morning
[ ] FedEx Standard Overnight — Next business afternoon
[ ] FedEx First Overnight — Earliest next business morning delivery to select locations
[ ] FedEx 2Day* — Second business day
[ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One-pound rate

4b Express Freight Service — *Packages over 150 lbs.* Delivery commitment may be later in some areas

[ ] FedEx 1Day Freight* — Next business day
[ ] FedEx 2Day Freight — Second business day
[ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging — * Declared value limit $500

[ ] FedEx Letter*
[ ] FedEx Pak*
[X] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg

6 Special Handling

[ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
[ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
[ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
[ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?
(One Box must be checked)

[ ] No
[ ] Yes — As per attached Shipper's Declaration
[ ] Yes — Shipper's Declaration not required
[ ] Dry Ice — Dry Ice, 9, UN 1845 ___ x ___ kg
[ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging

7 Payment *Bill to:*

[X] Sender — Acct. No. in Section 1 will be billed
[ ] Recipient
[ ] Third Party
[ ] Credit Card
[ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
		$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details. FedEx Use Only

8 Release Signature — Sign to authorize delivery without obtaining signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims

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53A-100

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
☐ 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
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE: Solutia Sauget Area 1
PROJECT NO.: 23548
P.O. NUMBER: Direct Bill Solutia
PROJECT LOC. (State): IL
SAMPLER(s) NAME: Tony Finch / Bill MR1647
PHONE: 314-842-4550
FAX:
CLIENT NAME: Solutia
CLIENT PROJECT MANAGER: Kimberly Perry - Solutia
CLIENT ADDRESS (CITY, STATE, ZIP): St. Louis, MO

PAGE 1 OF 1

☒ STANDARD REPORT DELIVERY
☐ EXPEDITED REPORT DELIVERY (surcharge)
Date Due

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES — NUMBER OF CONTAINERS SUBMITTED

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	VOCs 8260B	SVOCs 8270C	PCBs 1080	Pesticides 8081A	Herbicides 8151A	Metals 6010B	Mercury 7470A	Cyanide 9010B			REMARKS
12/2/99	1500		Waste-N-BA-Comp-EB	X				3	2	2	2	2	1	1	1			
12/2/99	-		Trip Blank	X				3										
	-		Temp Blank	X														

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	12/2/99	1600						
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
Fedex# 8170 9422 8466	12/2/99	1600						

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			☐ YES ☐ NO			

FedEx USA Airbill FedEx Tracking Number 8170 9422 8466

Form ID No. 0215

1 From Please print and press hard

Date 12/2/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Tony Finch Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211

Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference
First 24 characters will appear on invoice

3 To

Recipient's Name BETSY BEAUCHAMP Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LAROCHE AVE

We cannot deliver to PO boxes or PO ZIP codes

Dept./Floor/Suite/Room

To HOLD at FedEx location print FedEx address here

City SAVANNAH State GA ZIP 31404

See back for application instructions

Questions? Call 1·800·Go·FedEx (800 463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability

0119391431

4a Express Package Service — *Packages up to 150 lbs.* Delivery commitment may be later in some areas

[X] FedEx Priority Overnight — Next business morning
[ ] FedEx Standard Overnight — Next business afternoon
[ ] FedEx First Overnight — Earliest next business morning delivery to select locations
[ ] FedEx 2Day* — Second business day
[ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One pound rate

4b Express Freight Service — *Packages over 150 lbs.* Delivery commitment may be later in some areas

[ ] FedEx 1Day Freight* — Next business day
[ ] FedEx 2Day Freight — Second business day
[ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging — * Declared value limit $500

[ ] FedEx Letter*
[ ] FedEx Pak*
[X] Other Pkg — Includes FedEx Box, FedEx Tube, and customer pkg

6 Special Handling

[ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
[ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
[ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
[ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?

[ ] No
[ ] Yes — As per attached Shipper's Declaration
[ ] Yes — Shipper's Declaration not required
[ ] Dry Ice — Dry Ice, 9, UN 1845 ___ kg
[ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging

7 Payment — *Bill to:*

[X] Sender — Acct. No. in Section 1 will be billed
[ ] Recipient
[ ] Third Party
[ ] Credit Card
[ ] Cash/Check

FedEx Acct. No. / Credit Card No. — Exp. Date

Total Packages	Total Weight	Total Declared Value†
		$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details

FedEx Use Only

8 Release Signature — *Sign to authorize delivery without obtaining signature*

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims

359

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RETAIN THIS COPY FOR YOUR RECORDS

CLIENT CHAIN OF CUSTODY **SAMPLER'S SIGNATURE** [signature] **Project/Quote 05023/990000101**

From (1): Solutia, Inc.
575 Maryville Center Drive
St. Louis, MO 63141
Sauget Area 1 Support Sampling

Contact: A. Cork
Phone: 314-393-3721
Fax: 314-674-8957
P.O.# (1): Direct Bill Solutia

(SDL05/FMS) Data to be reported to the state of MO.

Analysis Wanted (2): Dioxins 8200A, Total Dioxins 8280A, Dioxins 8290

Total Number of Containers:

Turn Around Time (Weekend Days):

Sample ID (3)	Date / Time	Preservation (4)	Matrix	Sample Amt.	Dioxins 8200A	Total Dioxins 8280A	Dioxins 8290			Remarks
WASTE-N-B4-0.5FT	12/2/99 0800	ICE	Soil	1-1LT	X					
WASTE-N-B4-0.5FT FD	12/2/99 0800	↓	↓	↓	X					
WASTE-N-B4-Comp	12/2/99 0930	↓	↓	↓		X				
WASTE-N-B4-0.5FT EB	12/2/99 1445	↓	WATER	2-1LT			X			
WASTE-N-B4-Comp EB	12/2/99 1500	↓	↓	↓			X			

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
[signature]	12/2/99 1600	FEDEX#81709423 1510			

Received for Laboratory By/Signature	Date/Time	Send Samples to: Triangle Laboratories, Inc. Attn: Sample Custodian 801 Capitola Drive Durham, NC 27713 USA Phone: (919) 544-5729 • Fax: (919) 544-5491

Directions:
(1) Provide and/or correct client and project information.
(2) Verify analysis, check approriate boxes for each sample.
(3) Enter the sample ID to be used when reporting the samples.
(4) Please indicate the preservation used for each sample.

FedEx Express Airbill FedEx Tracking Number 818011026480 Form ID No. 0200

1 From Please print and press hard.

Date 12/2/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name TONY FINCH Phone (314) 8429550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City ST LOUIS State MO ZIP 63128

2 Your Internal Billing Reference First 24 characters will appear on invoice 23548.030.002

3 To

Recipient's Name FRANK STEVENS Phone (919) 544-5729

Company TRIANGLE LABORATORIES

Address 801 CAPITOLA DR

We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept./Floor/Suite/Room

To HOLD at FedEx location print FedEx address here

City DURHAM State NC ZIP 27713

4a Express Package Service — Packages up to 150 lbs. Delivery commitment may be later in some areas

- [X] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One-pound rate

4b Express Freight Service — Packages over 150 lbs. Delivery commitment may be later in some areas

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Package

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg — Includes FedEx Box, FedEx Tube, and customer pkg

* Declared value limit $100

6 Special Handling

- [ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day in select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? One box must be checked.

- [X] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ kg
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging.

7 Payment Bill to: (enter FedEx Acct. No. or Credit Card No. below)

- [X] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	43	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details. FedEx Use Only

8 Release Signature Sign to authorize delivery without obtaining signature.

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

360

Questions? Call 1·800·Go·FedEx® (800 463-3339)
Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

RETAIN THIS COPY FOR YOUR RECORDS

Section 3.4

3.4. Magnetometer Survey

3.4.1. Rationale/Design

Magnetometer surveys were conducted at Sites G, H, I, L, and N to identify anomalies indicative of drum disposal or buried tanks. To evaluate whether the anomalies are associated with buried drums or tanks, test trenches were dug at selected anomalies that coincide with the following, as applicable:

- ground water isoconcentrations as identified by the 1998 Ecology and Environment Data Report
- VOC detections from the soil gas survey
- magnetic anomalies identified by the 1988 Ecology Ecology and Environment geophysical surveys
- areas of drum or tank disposal identified during historical aerial photo analysis of fill area boundaries.

Magnetometer measurements were made at locations determined by superimposing an approximate 50-foot by 50-foot grid on the fill areas. Magnetometer measurement points were located in the field by using known points such as buildings, roads, or other cultural features or by using GPS. A change order was submitted to increase the total number of measurements and is included in Section 3.4.3.1.

Site	Measurements
G	77
H	106
I	255
L	19
N	86
Total Number of Measurements	543

Fill areas in Sauget Area 1 were used for disposal of municipal and industrial waste, as well as construction debris. Magnetic anomalies were anticipated to be numerous, intense, and widespread in the fill areas. It was appropriate to use a screening method to identify those anomalies that were excavated to evaluate if they were due to buried drums or tanks. Comparing ground water and soil gas concentration highs found at each fill area with corresponding magnetic anomalies at each fill area, as applicable, is a good method for selecting excavation locations within the fill areas, provided ground water and soil gas concentration highs have not migrated beyond the limits of the fill area. Coupling this information with prior geophysical surveys conducted by

Ecology and Environment in 1988 and evaluation of historical aerial photograph analysis to identify portions of the fill areas where drums or tanks were placed allowed selection of test trenching locations that focused on areas where tanks or large numbers of drums may be buried. Reportably, the site may have contained buried steel drums or debris to depths of 40 feet.

Surface geophysical surveys, which map the distribution of the strength of the earth's magnetic field, have been proven useful in evaluating shallow and deep subsurface conditions at environmental sites. These geophysical surveys have been used to successfully locate buried objects containing magnetically susceptible materials (i.e., iron and nickel metals). The ability of geophysical equipment to locate buried objects is, for the most part, dependent on the strength and orientation of the magnetic anomaly associated with the buried objects, the strength and natural variation of the earth's magnetic field in response to local geology, and the influence of manmade surface features (such as power lines, buried utilities, vehicles, electric motors, etc.) which may interfere with the collection of data.

By comparing the known surface and geological conditions to a magnetic survey map that includes mapped surface feature interferences, and understanding possible geologic background effects, it is possible to identify the location of suspicious subsurface features which may represent buried tanks or drum disposal areas.

Method – A geophysical survey of the site's magnetic field was completed utilizing a total field magnetometer. The total field magnetometer measures the total strength of the site's magnetic field regardless of the orientation of the magnetic lines of force. This field method involves the collection of magnetic data along pre-established profile lines. During the performance of the geophysical survey, data for the preparation of a field map was collected. This data includes the total magnetic field strength at each data station, the location of physical site conditions (i.e., streams, ditches, low areas, etc.), and the location of potential surface interferences (i.e., vehicles, overhead power lines, etc.).

A correction for diurnal and micropulsation time variations was not necessary because the site and anticipated anomalies are relatively small in area (less than one square mile), and subsurface anomalies from buried objects of interest were anticipated to be relatively large (greater than 100 gammas).

Maps showing the distribution of magnetic field strength over the five sites were compiled and compared with the observed field conditions (including the location of known interfering objects such as vehicles, overhead power lines, and surface debris). By comparison, those magnetic anomalies which cannot be explained by observed site conditions were presumed to be a result of buried subsurface material (i.e., drums, tanks, metal debris, etc.). The depth of detection for suspect objects (such as steel drums) may vary according to orientation, method of manufacture, condition, and numbers present. Steel drums, such as

those suspected to be present at this site, may be detected to depths of 40 feet.

Study Area Definition and Measurement Spacing – The area of the properties to be surveyed was evaluated in the field. The study area consists of five site areas described above.

Overall site dimensions for the area were adjusted based upon the findings of the source area boundary delineation activities discussed in Section 3.1.

3.4.2. Field Procedures

Prior to performing field work, Preparatory Inspection Meetings attended by a representative of each of the interested parties were held (Section 3.4.3.2.).

The following field equipment and procedures were employed during this geophysical investigation.

Equipment – A Geometrics 856AX Total Field Magnetometer was used to collect the field data. Field procedures and operation of the instruments were in accordance with the recommended manufacturer's field procedure and application manual.

Calibrated field survey equipment consisting of marked survey line, tape rulers, highway danger cones, and marked wooden stakes were utilized to establish measurement locations.

Preliminary Testing and Early Termination Procedures – The magnetometer has an internal startup test and check program which performs a diagnostic check of the battery and electronic circuitry. The unit issues a warning statement if all components will not perform within the designed specifications. The magnetometer will not operate if the internal system check is out of compliance.

Instrument Calibration and QC Procedures – The magnetometer was calibrated to provide approximate values based on the established magnetic intensity for the region. The calibration procedure is explained in the owner's operation manual and will vary between instrument models. The precise value for the intensity of the earth's magnetic field at the site is not necessary to identify the location of buried drums.

Following the calibration of the instrument, a field check of the magnetometer readings was conducted. Here the instrument was held motionless and 10 readings were recorded. Variations in the recorded value of + or –1 gamma were acceptable. Adjustment in the height of the magnetometer sensor may have been necessary to reduce the interference from surface debris; however, for the purpose of this investigation, a standard sensor height of two meters was assumed.

A continuous QC program was maintained by visually inspecting the data as they were acquired. The data are displayed in a digital format, and an electronic beep was used to signal if data collection problems have resulted during the measurement. If a problem was detected, the measurement point was recollected. The survey was not continued until the data integrity was acceptable.

Field Progress/Interpretation Reporting – Progression of the geophysical survey was documented in a field notebook. The beginning and ending time of each profile was noted, and a field map of each completed profile was maintained to field verify the progress of the survey.

Following the completion of the survey at each site, the magnetometer data was entered into a laptop computer. The data in the computer was double-checked with the data stored in the magnetometer. Later, the individual data sets were graphically checked to verify that the data download was complete and that the fidelity of the data transferred was protected.

Measurement Point/Grid Surveying – The established survey lines were marked in the field using a premarked survey line to maintain straight and precise station locations. Profiles were completed along a straight line with an unobstructed line of sight. The corners of each of the grid areas were marked with temporary corner stakes to permit the relocation of the measurement points within each site.

Data Processing – Following completion of the field phase of investigation and verification that magnetometer data was successfully transferred to the computer, the following data processing was performed:

- A graphical review of data was performed to assess its completeness and fidelity.
- Cartesian coordinates corresponding to the map location of each measurement point were assigned to the appropriate magnetometer reading.
- A map display of these data was produced showing the location of the measurement points and the corresponding magnetometer reading. This map was produced using AutoCAD Revision 14 or higher.

3.4.3. Documentation

A change order to increase the total number of magnetometer measurements is included in Section 3.4.3.1. Field logs generated are included in Log Book No. 5 (Appendix D). Figures 6 through 10 depict magnetometer contour values.

Documentation for this task continues on the next page.

3.4.3.1. Change Order

PROJECT CHANGE ORDER

O'BRIEN & GERE ENGINEERS, INC.
PROJECT NAME: Solutia Sugar Area 1 - Magnetometer Survey (Sect. 5.4)

CO NUMBER _____ DESCRIPTION Addition of 75 magnetometer survey points to bring total from 468 to 543 to support interim trenching task.

SUBMITTED TO	KJ Perry	COMPANY	Solutia
SUBMITTED BY	Tim Iedesco	COMPANY	OBG
INITIAL DATE	9 Dec 99	REQUIRED DATE	Past - 11/8/99
DAYS REQUESTED		AMOUNT REQUESTED	Cost covered in Add Sample Lots Already submitted to Solutia

CHANGE ORDER ITEMIZED DESCRIPTION

- Add 75 magnetometer survey points to Sect. 5.4 of the FSP to support the interim trench task. Per Add cost from 26Feb99 bid sheet is [redacted]

Tim Iedesco / [signature] / 9 Dec 99
PRINTED NAME / SIGNATURE OF PREPARER / DATE

Kim Dent-Perry / [signature] / 12/16/99
PRINTED NAME / SIGNATURE OF SOLUTIA REP / DATE

IF ADDITIONAL SPACE IS REQUIRED, RECORD ON REVERSE SIDE

3.4.3.2. Preparatory Inspection Meeting Form

PREPARATORY INSPECTION MEETING

Conducted by/Company: Alan Cork / O'Brien & Gere **Date:** 10/18/99
Project Name: Solutia Surge F Area 1 **Task:** Magnetometer Survey

1. Scheduled Work:

2. Equipment, Procedures, Personnel:

3. Ref. To App. Sec. of FSP/HASP:

4. Issues that could arise and how to resolve:

5. Solutia comments:

6. EPA comments:

1) Magnetometer Survey of Site I, H, G, & L, to identify anomalies indicative of drum disposal/buried tanks

2) ~~Geometrics~~ Total Field Magnetometer. Sites will be gridded (50'x50' grids) with readings @ nodes. ~~6~~ Sites will be gridded ahead of Magnetometer using stakes/spray paint

3) FSP Section 5.4 HASP Section 2.3. HASP states Mod. Level D for PPE. However based upon work to date hazards present for work activity does not warrant Mod. Level D protection. Therefore work will be in Level D. No Steel toe boots because

4) ~~None @ this time.~~ Scattered debris on site L. May need to get Meto to move.

5) None

6) None

ATTENDANCE:

EMPLOYEE NAME (print)	EMPLOYEE SIGNATURE	COMPANY
Dave Haverkamp	[signature]	OBG
Alan J Cork	[signature]	OBG
Erik Kemper	[signature]	RFW
Kimberly Perry	[signature]	Solutia
KEN LAFFERTY	[signature]	MAVERICK
William E Wright	[signature]	OBG
Dawn S Thompson	[signature]	OBG
Lim Tedesco	[signature]	OBG
Dan Wills	[signature]	OBG
Ron Crowson	[signature]	OBG
Dave Hess	Cahoki PD David Vernon	

IF ADDITONAL SPACE IS REQUIRED, RECORD ON REVERSE SIDE

Alan J Cork / [signature]
PRINTED NAME/ SIGNATURE OF PREPARER

10/18/99
DATE

Given to Weston @ 1745 on 10/18/99

Section 3.5

3.5. Buried Drum and Tank Identification – Test Trenches

3.5.1. Rationale/Design

If no excavation location criteria other than the presence of a magnetic anomaly were used to evaluate whether an excavation was appropriate, disturbance of a significant portion of each fill area was anticipated. Excessive trenching could have resulted in unacceptable risks to the community, on-site workers, and the environment at sites that appear to be stable.

Test trenches to confirm the presence of buried drums or tanks were conducted at Sites G, H, I, L, and N. Site G is a fill area stabilized by USEPA Region V in an emergency response that solidified organic wastes, placed a temporary soil cover on the site, and controlled site access by installation of a fence. It is located south of Queeny Avenue and west of Dead Creek Segment B. Site H is a grass field at the intersection of two major roads, Queeny Avenue and Falling Springs Road. It is across the street from the Sauget Village Hall. Commercial buildings and a self-storage facility are located adjacent to the site. Site I is a fenced gravel area used for equipment and truck parking north of Queeny Avenue and west of Falling Springs Road. It is located within Cerro Copper Products Company (Cerro Copper). Site L is located behind a commercial building south of Queeny Avenue and east of Dead Creek Segment B. Black cinders cover the site. Site N is located at the rear of a commercial site west of Falling Springs Road and approximately 0.1 mile south of Judith Lane. The site is partially vegetated and partially used for equipment parking.

Test trench locations were identified using a combination of magnetic anomalies, aerial photograph analysis, and soil gas and ground water data. Test trenches were conducted to evaluate the presence of buried drums or tanks at the sites. One test trench was conducted per site on Sites G, H, L, and N. Two test trenches were conducted on Site I, based on negotiations with Solutia, Cerro Copper (property owner), and USEPA Region V. Test trenches were performed at the largest magnetic anomaly found that coincides with the following, as applicable:

- drum/tank disposal locations identified by historical aerial photograph analysis
- an area of high VOC concentration in soil gas
- an area of high ground water concentration identified in the 1998 Ecology and Environment Sauget Area 1 Data Report; or
- major magnetic anomalies report in the 1988 Ecology and Environment Report, *Expanded Site Investigation, Dead Creek Project Sites at Cahokia/Sauget, Illinois*.

Care was taken not to place major emphasis on the comparison of historical ground water concentrations and magnetic anomalies due to the extent of historical industrial ground water pumping in the area. Excavated soil and fill material was returned to the test trench, with the planned exception of any intact drums, which were not observed. Test trench locations were identified using GPS and recorded for future reference in the event drum removal is appropriate.

Any waste excavated that identified the potential source of material present in the fill area was noted in the field log (Appendix D) and photographed (Section 3.5.3.2).

Trenching to remove buried drums or tanks is an activity that, if necessary, should be a part of a carefully planned removal action or when a remedy is implemented. Solutia is very concerned about the safety of workers, the community, and the environment during test trenching and drum removal activities. One release to the atmosphere, which sent five workers to the hospital, occurred during an investigation conducted in Creek Segment A. During World War II, the U.S. government built and operated the Chemical Warfare Plant on 15 acres located in Monsanto's W.G. Krummrich Plant. Solutia does not know what chemicals were produced by this facility. It is quite likely that raw materials, waste materials, and finished product from the U.S. government's Chemical Warfare Service Plant could be present in the fill areas located in Sauget Area 1. For this reason, Solutia believes intrusive activities at Sites G, H, and I to identify buried drums and tanks should have been kept to an absolute minimum. With the inherent danger to workers, the public, and the environment associated with drum removal activities; limited ground water downgradient migration of constituents at Sites G, H, and I; and no downgradient ground water users, excessive drum and tank removal during site investigation did not seem appropriate.

3.5.2. Field Procedures

Prior to performing field work, the required proactive emergency response activities in accordance with the 1999 Health and Safety Plan (HASP) were completed and a Preparatory Inspection Meeting attended by a representative of each of the interested parties was held (Section 3.5.3.1). Anomaly (or interior) test trench locations were selected in the field based upon the parameters outlined in Section 3.5.1 above and with the concurrence of the USEPA Region V or its designee. To complete the anomaly test trenches, a track-mounted hoe was utilized. As the depth to the top of buried anomalies was not anticipated to be greater than 20 feet, a track hoe with a 20-foot dig depth was utilized. Trenching activities were conducted in a manner to protect existing utilities, structures, surface features, monitoring wells, and the general site environment. Additionally, trenching activities were conducted in a manner that protected workers from hazards associated with excavations. A PID, a four-gas meter, and a RAM were used to monitor the anomaly

test trenches for hazardous conditions. The hoe operator was equipped with a separate supplied-air system. Anomaly test trenches were advanced until evidence as to the source of the anomaly was found. Ground water infiltration and/or poor soil stability limited the trench depth, but did not result in the inability to confirm a targeted anomaly. No accommodations were made to dewater test trenches or manage ground water during excavation activities due to the need to minimize the generation of IDW.

As the trenching proceeded, spoils from the test trenches were placed on polyethylene plastic having a minimum thickness of six mil. Provisions were made to allow free liquids in the spoils to drain back to the trench. Spoils from each test trench were segregated and returned to the excavation in reverse order of removal. Prior to handling the cover material, the excavator bucket was grossly decontaminated using a shovel and/or a potable water source. This decontamination debris was placed into the excavation trench prior to placement of cover material. Backfilling was conducted in a manner to minimize ponding of water over the trench. Silt fence was used as necessary to minimize runoff of surface soils during rain events. No intact drums were observed during anomaly test trench completion. A test trench at one location was backfilled prior to the initiation of a test trench at another location. After completion of site investigation activities, disturbed surfaces were restored with materials matching adjacent surfaces to existing grades. Handling of IDW from these activities is discussed in Chapter 9 of the FSP and Chapter 7 of this report.

3.5.3. Documentation

Field logs generated for each test trench is located in Record Book No. 2 and Record Book No. 3 (Appendix D). Figures 11 through 15 depict test trench locations. Digital photographs are included in Section 3.5.3.2.

Documentation for this task continues on the next page.

3.5.3.1. Preparatory Inspection Meeting Form

cc: K. Perry 10 FEB 00
E. Kaper

PREPARATORY INSPECTION MEETING

Conducted by/Company: DE Haverdink / O'Brien & Gere Date: 10 FEB 00
Project Name: Solutia - Sauget Area 1 Task: Buried drum/tank ID (interior trenching)

1. Scheduled Work:
2. Equipment, Procedures, Personnel:
3. Ref. To App. Sec. of FSP/HASP: FSP # 5.5 ; HASP # 2.1, 2.11
4. Issues that could arise and how to resolve:
5. Solutia comments:
6. EPA comments:

(1) Buried drum & tank ID (interior trenching)

(2) Track hoe w/ 20' dig depth + 40" bucket, overpack drums, levels B+C PPE, monitoring instruments; segregate top ~ 12" from subsurface soil on different piles, max. trench depth is groundwater or as limited by soil stability, trench will be advanced to identify source of magnetic anomaly; intact drums will be removed and overpacked, except drums which are bulging, have visible holes, are greater than 10-15' deep, have visible DOD labels, are not able to be overpacked; record: trench dimensions, ID of waste sources where possible, digital photos, monitoring readings; back fill in reverse order of removal, segregate plastic; minimize handling/disturbance of drums; trench locations scaled from distributed maps

(3) see above

(4) Excavator sinking/shifting: workers stay clear of excavator while moving; stay in eye contact w/ operator to approach trench & excavator
Fire, gas emission, drum rupture, explosion: workers stay clear of trench edges, (OVER →)

ATTENDANCE:

EMPLOYEE NAME (print)	EMPLOYEE SIGNATURE	COMPANY
CHAD VRIETER	[illegible]	OBG
Mike Reece	Mike Reece	OBG
Tim Tedesco	[illegible]	OBG
Brent Kessinger	Brent Kessinger	HES
Tom Dulle	[illegible]	HES
Tim Gouger	Tim Gouger	USACE
Kimberly Perry	[illegible]	Solutia
Ron Lafferty	[illegible]	MAVERICK

IF ADDITONAL SPACE IS REQUIRED, RECORD ON REVERSE SIDE

DE Haverdink / DE Haverdink
PRINTED NAME/ SIGNATURE OF PREPARER

10 FEB 00
DATE

NICK JENKINS [illegible] 0956

4) (continued) p. 2/2

observe monitoring equip. readings, fire ext. on-hand for small fires, radio Cahokia PD for notification of proper authorities for emergency response, Heritage to deal with manageable spill response

(5) Solutia comments:

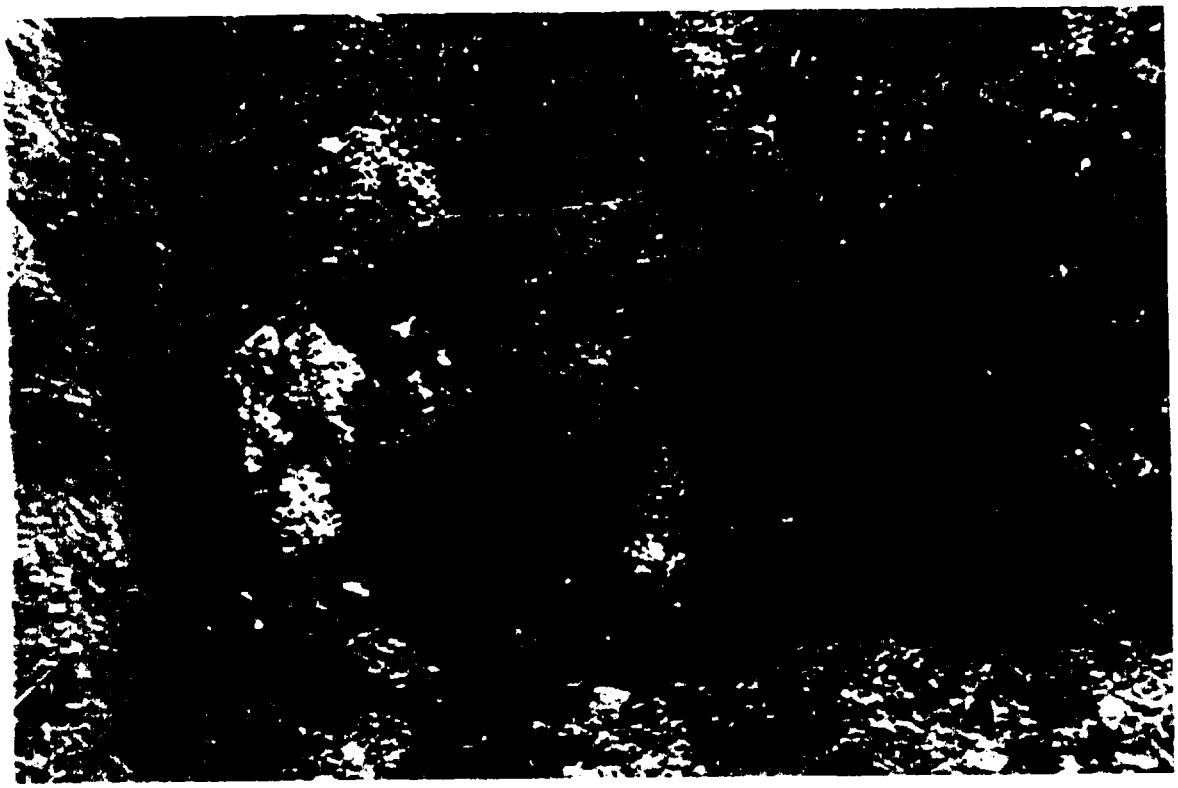
- no open trenches or un-overpacked drums left on-site overnight
- level B available for OBG + Heritage

(6) EPA comments:

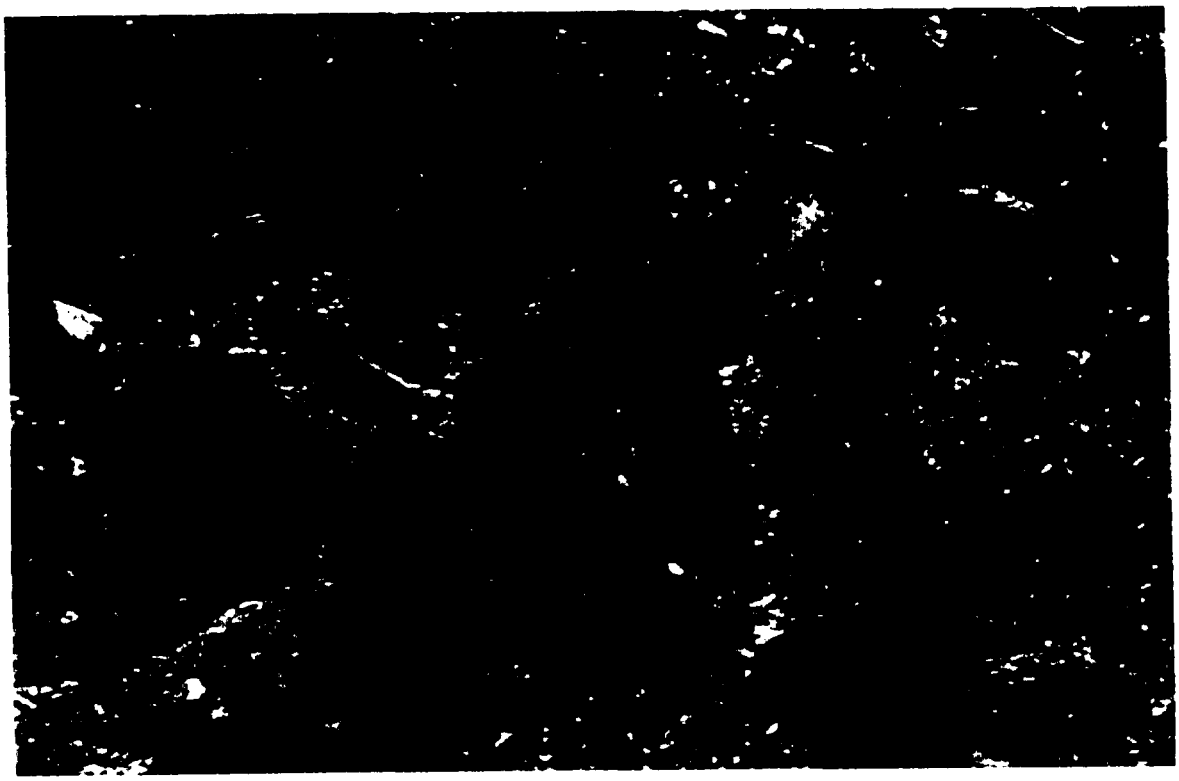
- trenches to begin in area of highest magnetic anomoly area and proceed ~~[illegible]~~ away from it
- re-emphasis of importance of documentation of waste sources and items excavated

3.5.3.2. Digital Photographs

G

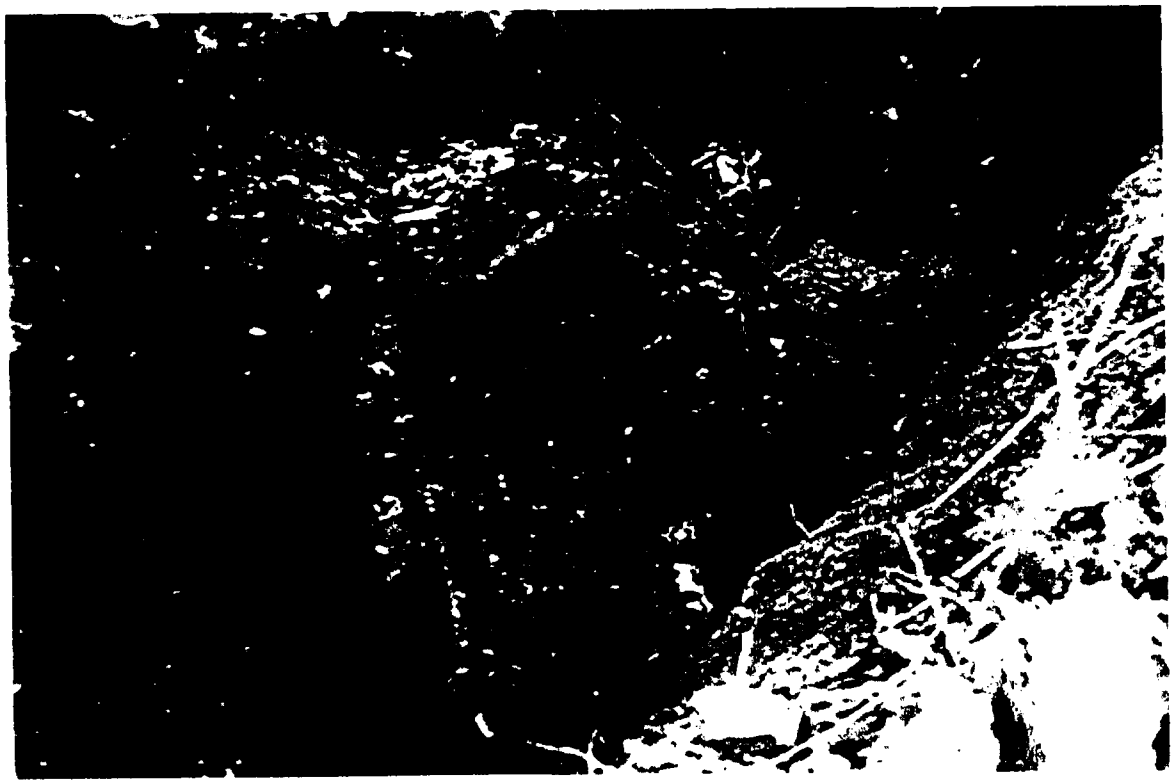


Site G, Interior Trenching, showing first drum in trench; Feb 2000



Site G, Interior Trenching, showing second drum in trench; Feb 2000

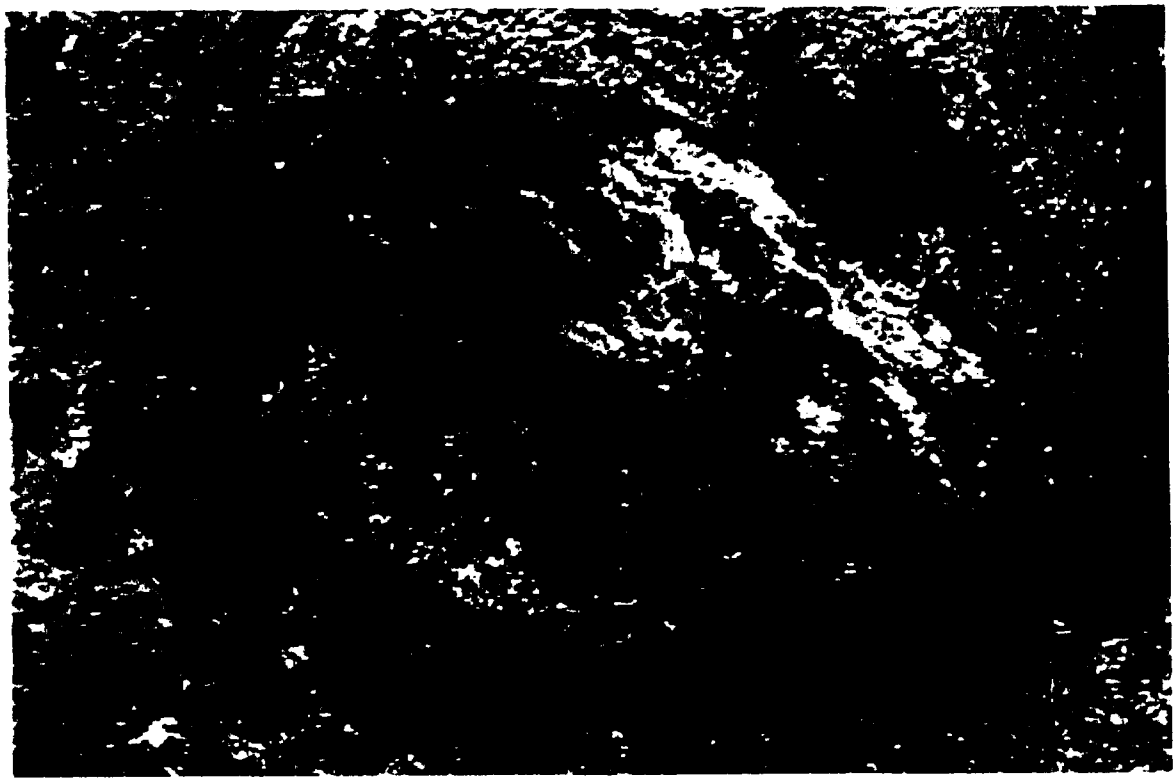
Site G, Interior Trenching, showing third drum in trench; Feb 2000



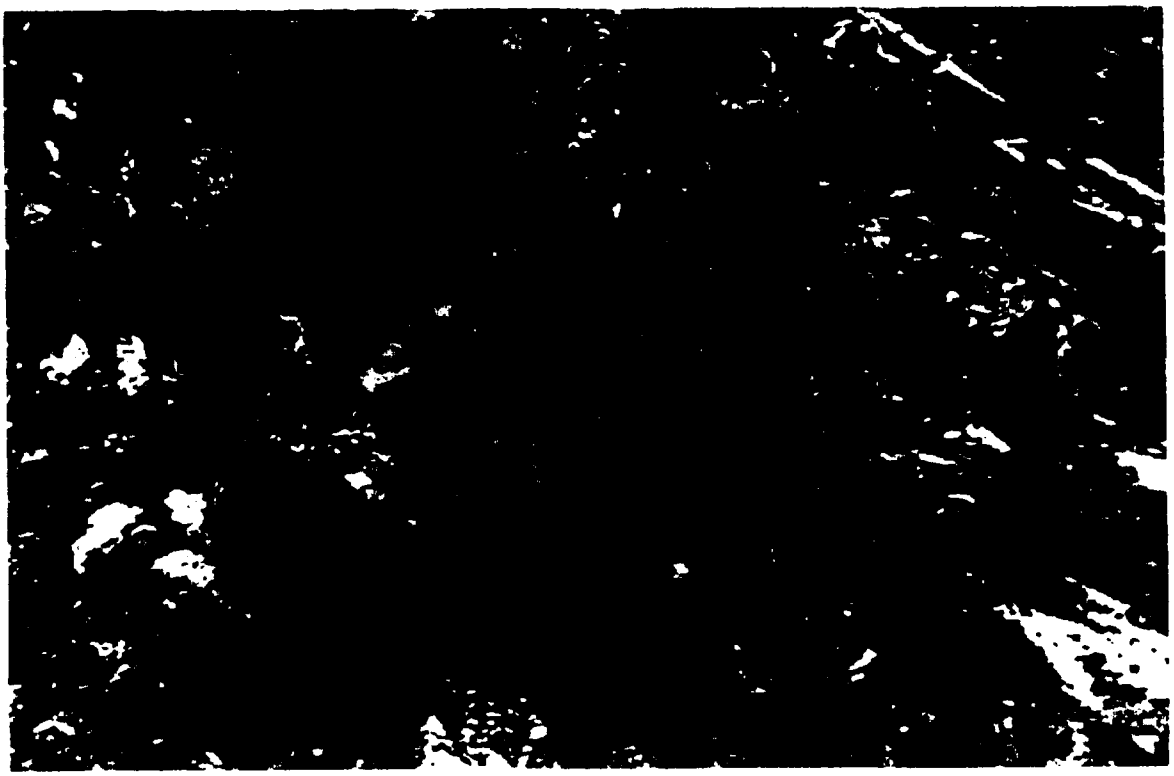
Site G, Interior Trenching, showing fourth drum in trench; Feb 2000

Site G, Interior Trenching, showing fourth drum in trench after being rolled over; Feb 2000

Site G, Interior Trenching, showing fifth drum in trench; Feb 2000



Site G, Interior Trenching, showing fifth drum contents as solid material; Feb 2000



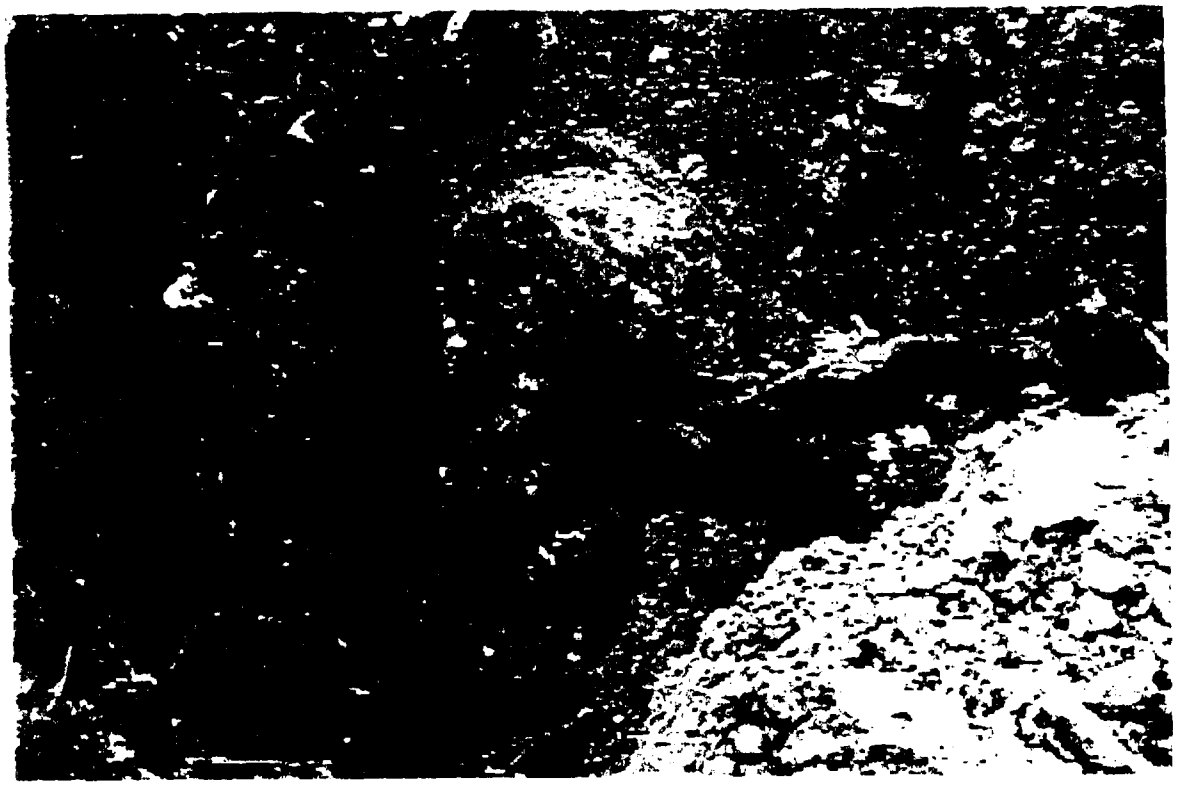
Site G, Interior Trenching, showing sixth drum in trench; Feb 2000

Site G, Interior Trenching, showing seventh drum; Feb 2000

Site G, Interior Trenching, showing drum fragments found in fill pile; Feb 2000

Site G, Interior Trenching, showing more drum fragments found in fill pile; Feb 2000

Site G, Interior Trenching, showing eighth drum in trench; Feb 2000



Site G, Interior Trenching, showing eighth drum in trench as taken from above; Feb 2000

Site G, Interior Trenching, showing ninth and tenth drum in trench; Feb 2000

Site G, Interior Trenching, showing ninth and tenth drum as taken from NE corner of trench; Feb 2000

Site G, Interior Trenching, showing eleventh drum in trench; Feb 2000

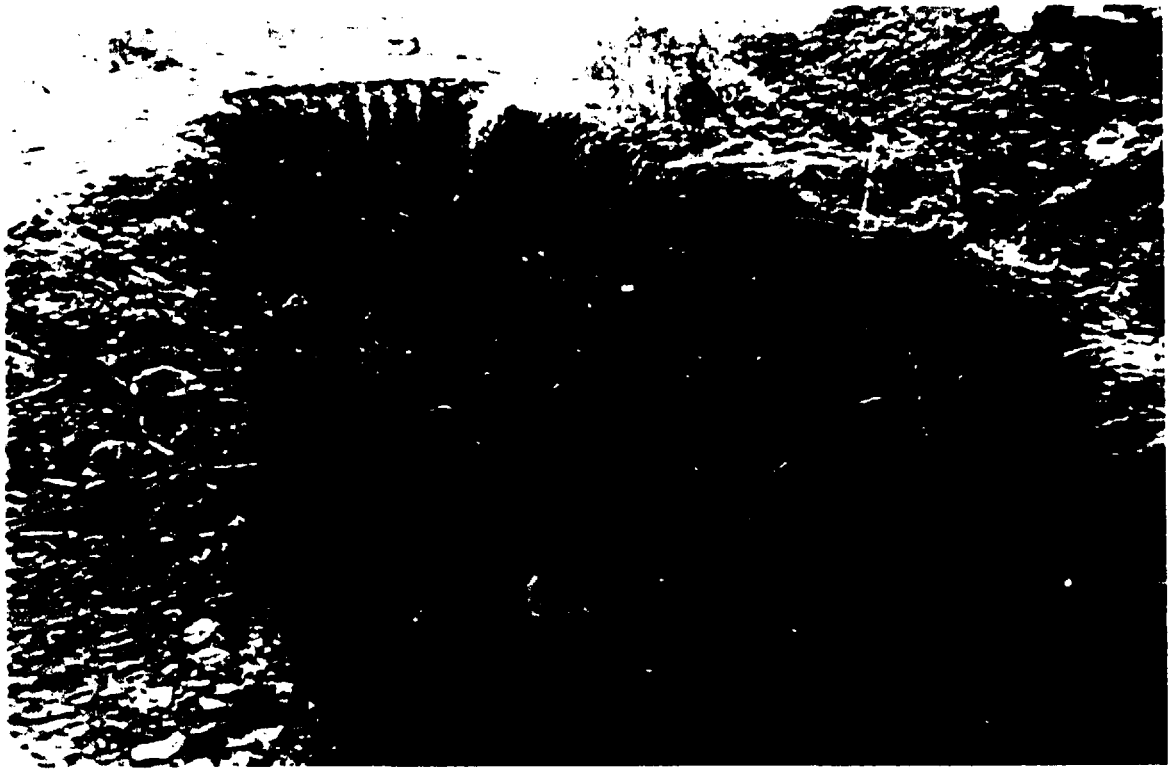
Site G, Interior Trenching, showing bottom of hole approximately 17 ft deep; Feb 2000

Site G, Interior Trenching, showing south and east sections of trench; Feb 2000

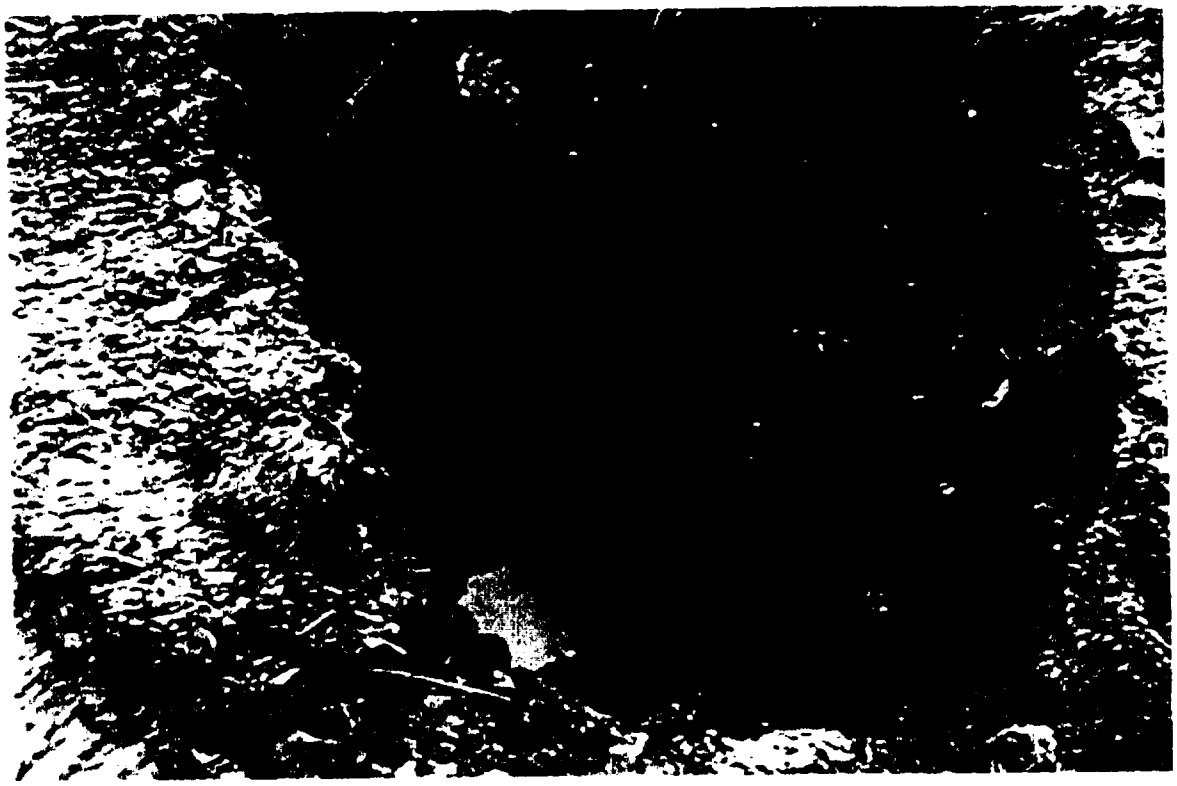
Site G, Interior Trenching, showing northeast section of trench; Feb 2000

Site G, Interior Trenching, showing north side of fill pile; Feb 2000

Site G, Interior Trenching, showing south side of fill pile; Feb 2000



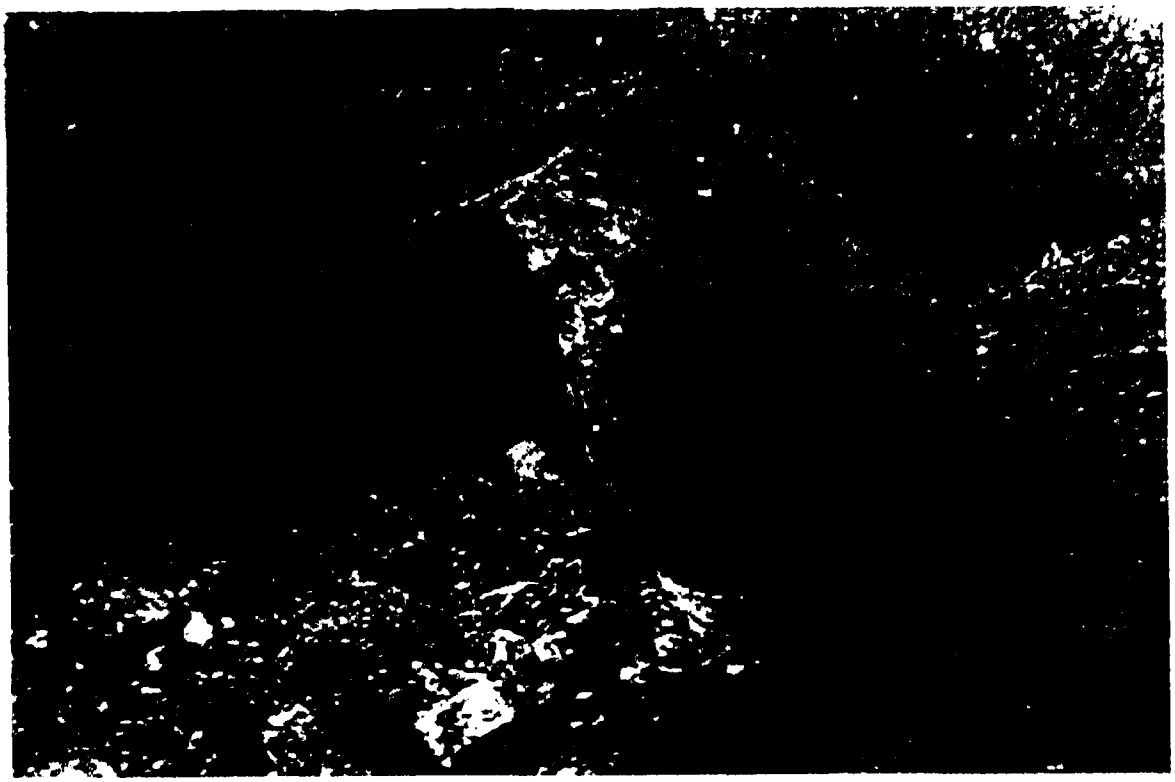
Site G, Interior Trenching, showing bottom of trench; Feb 2000



Site G, Interior Trenching, showing bottom of trench to groundwater; Feb 2000

Site G, Interior Trenching, showing north side of native soil pile; Feb 2000

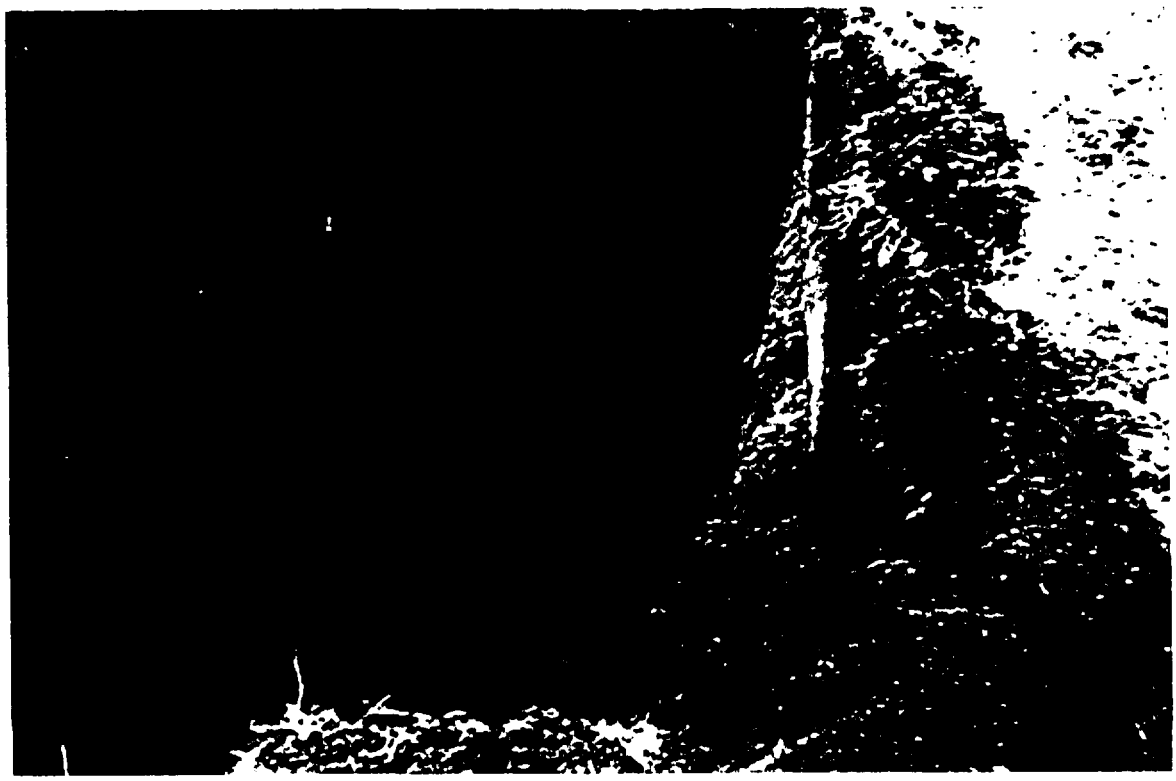
H



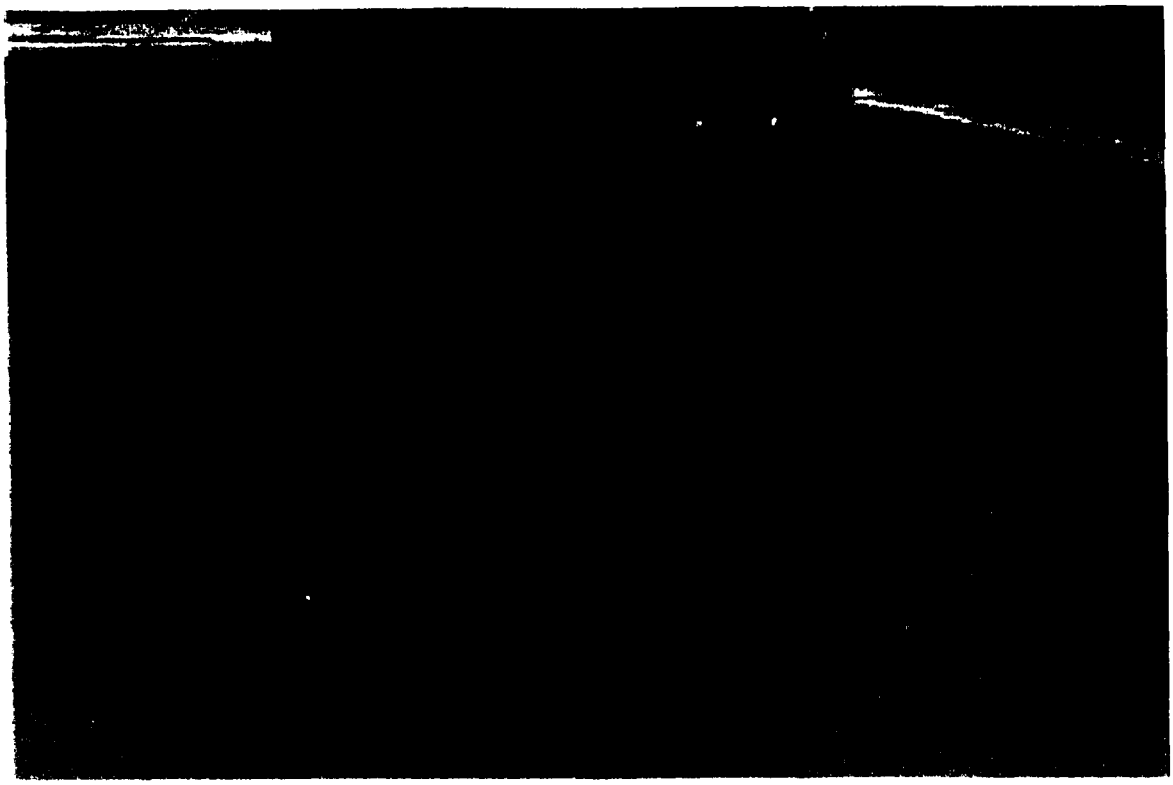
Site H, Interior Trenching, showing half a drum and its contents; Feb 2000

Site H, Interior Trenching, showing half a drum found earlier laying in fill pile; Feb 2000

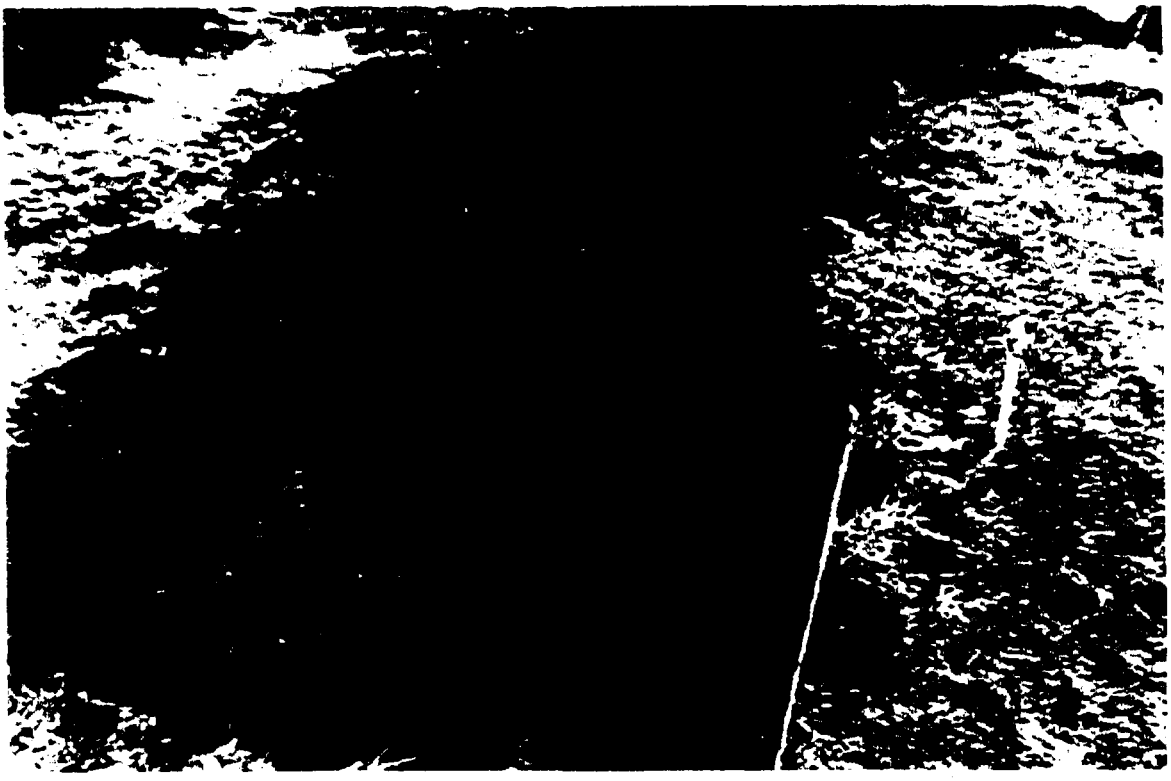
Site H, Interior Trenching, showing drum lid laying in fill pile; Feb 2000



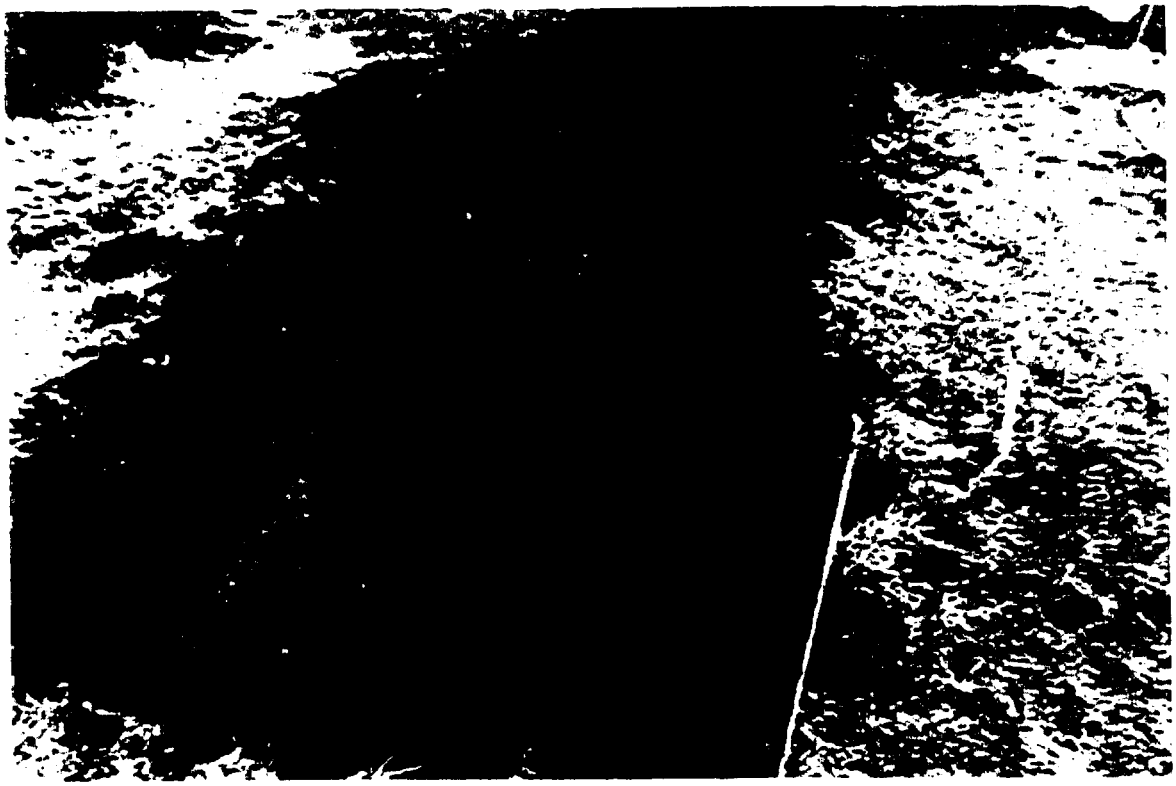
Site H, Interior Trenching, showing bottom of trench and groundwater; Feb 2000



Site H, Interior Trenching, showing a glass bottle; Feb 2000

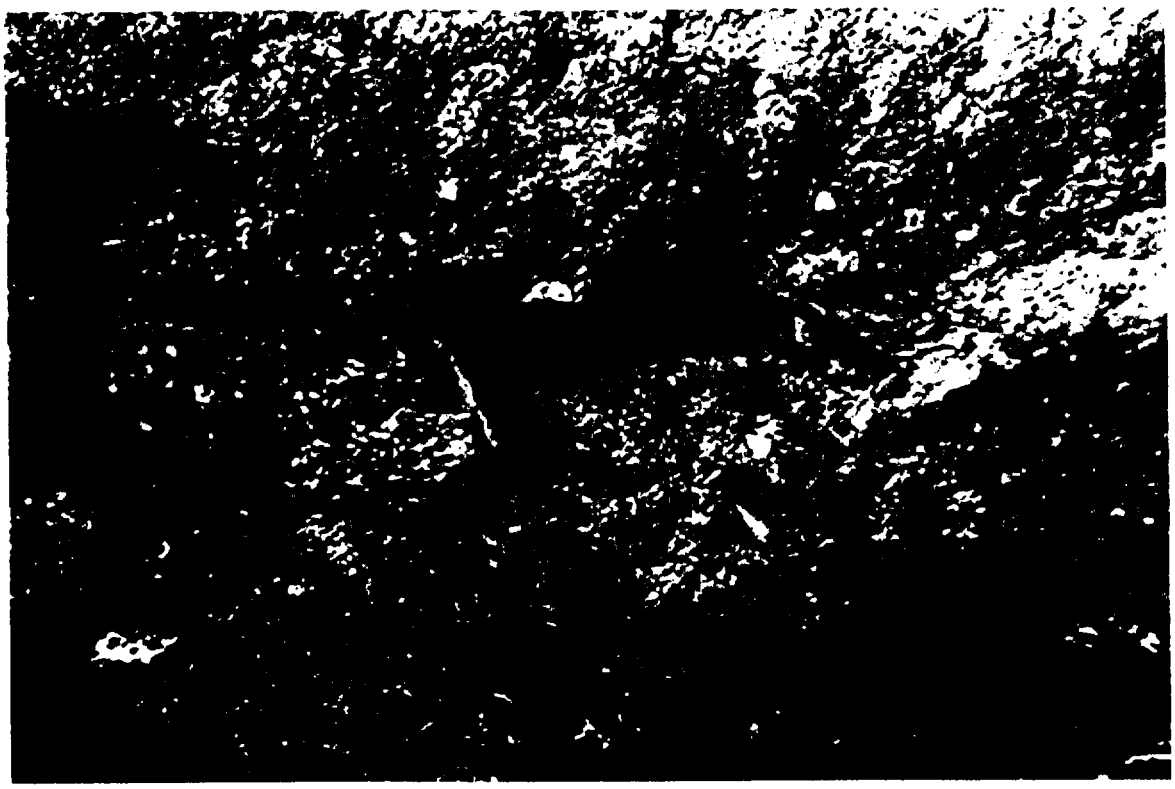


Site H, Interior Trenching, showing northeast portion of trench; Feb 2000



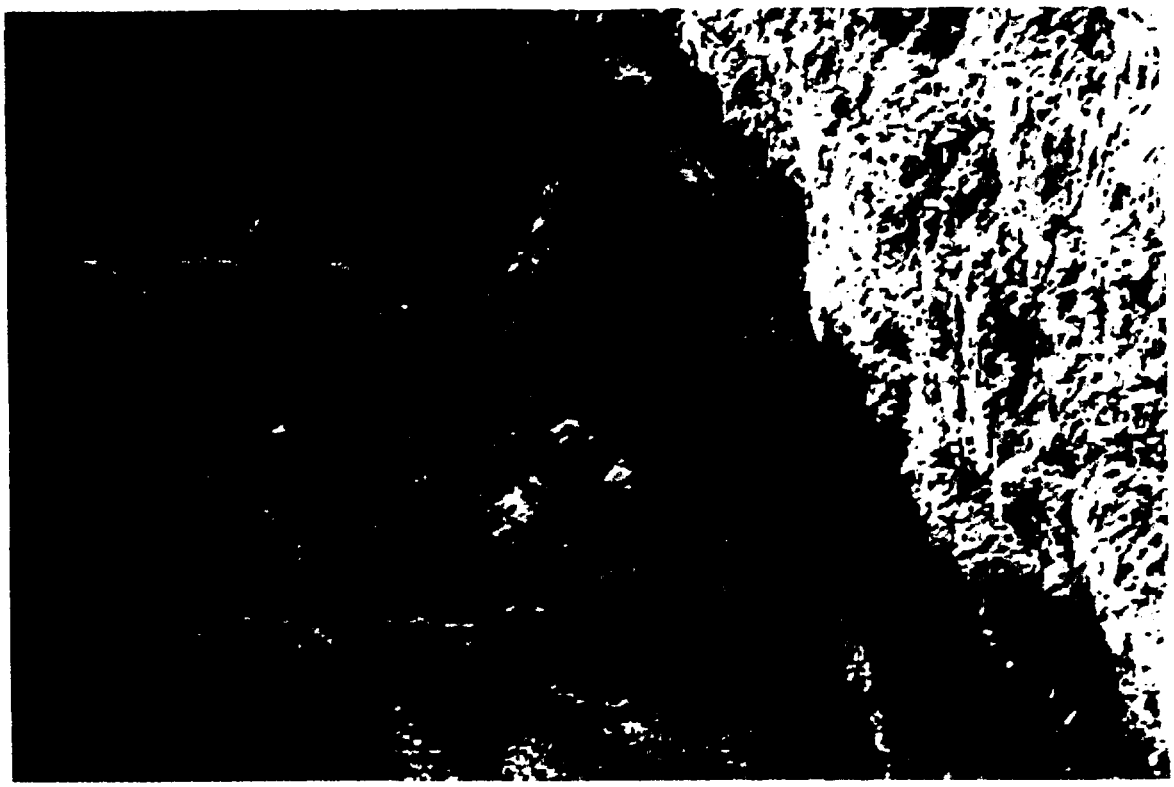
Site H, Interior Trenching, showing northeast portion of trench; Feb 2000

Site H, Interior Trenching, showing southeast portion of trench; Feb 2000



Site H, Interior Trenching, showing potential partial drum in sidewall; Feb 2000

Site H, Interior Trenching, showing northern wall of trench; Feb 2000

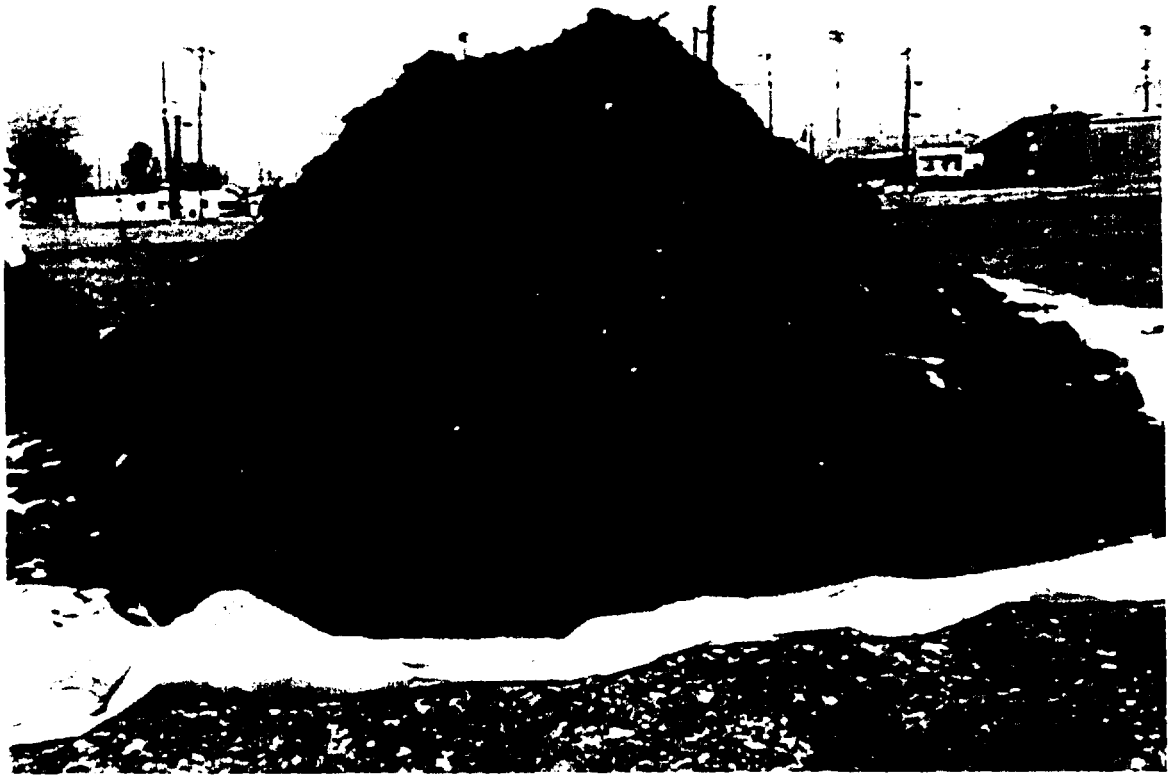


Site H, Interior Trenching, showing northwest corner of trench; Feb 2000

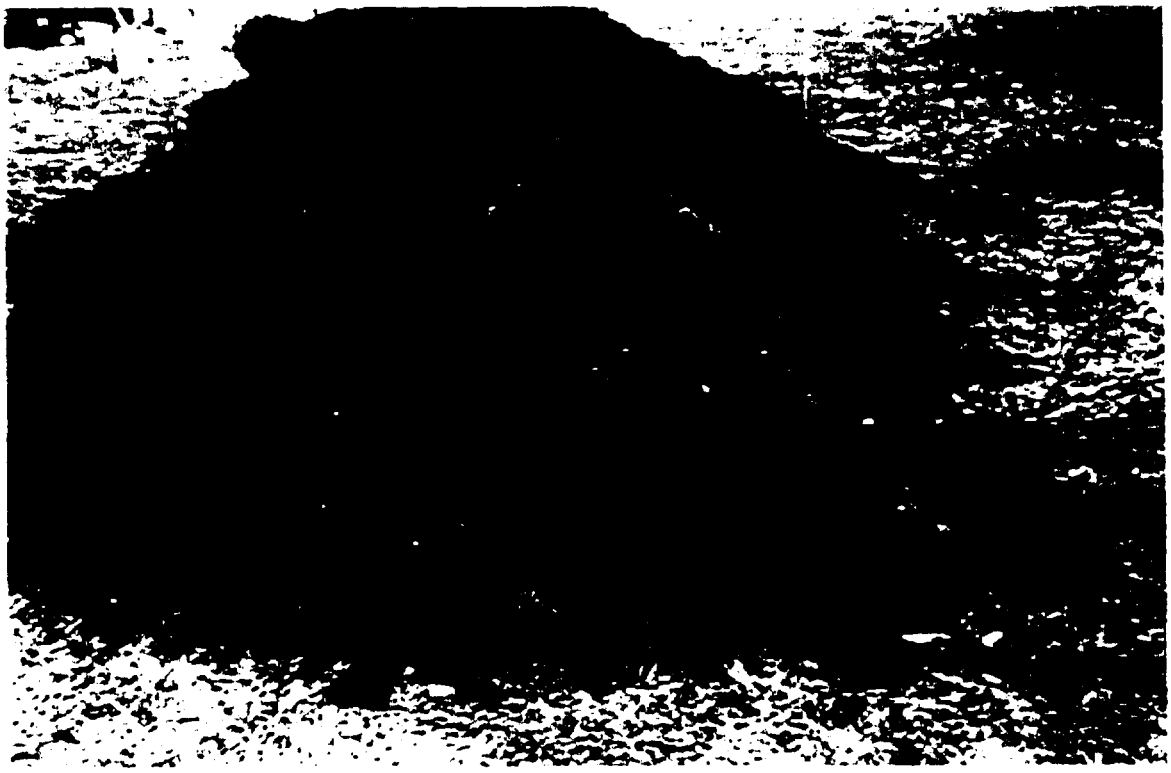
Site H, Interior Trenching, showing east side of fill pile; Feb 2000

Site H, Interior Trenching, showing south side of fill pile; Feb 2000

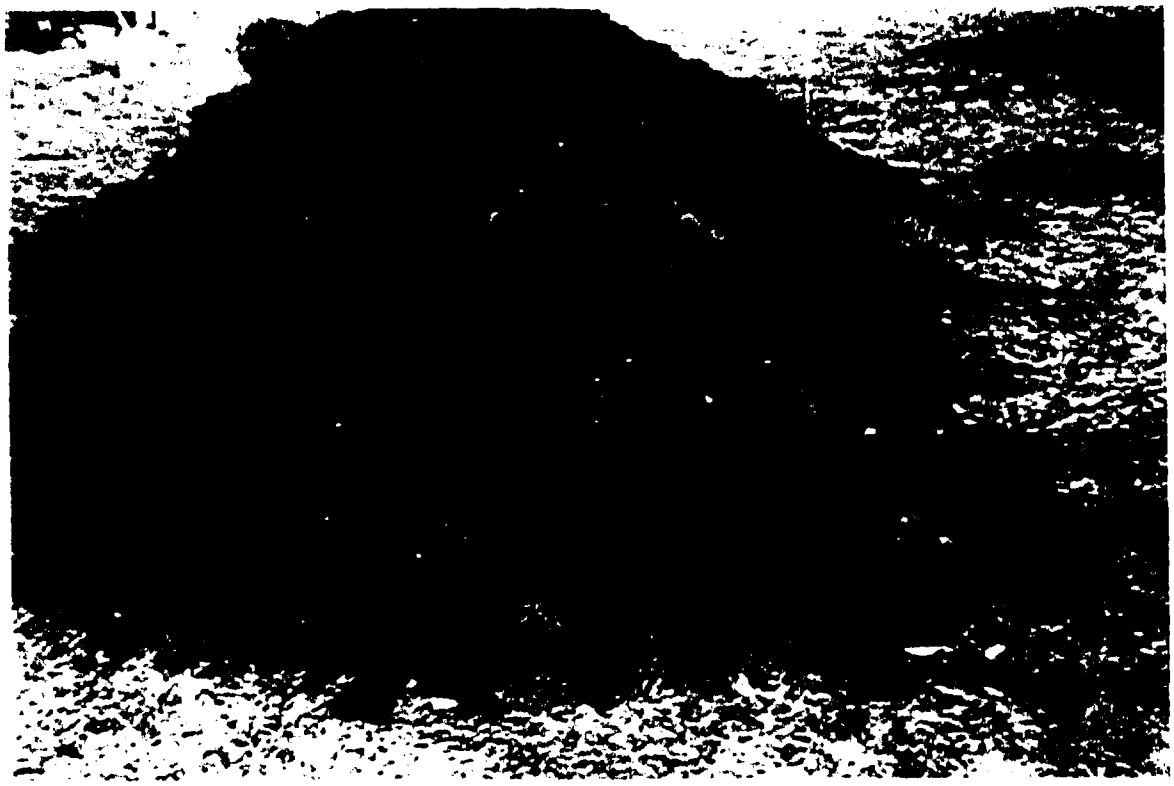
Site H, Interior Trenching, showing southeast side of fill pile; Feb 2000



Site H, Interior Trenching, showing west side of fill pile; Feb 2000



Site H, Interior Trenching, showing native soil pile; Feb 2000



Site H, Interior Trenching, showing native soil pile; Feb 2000

Site H, Interior Trenching, showing Kirkwood Commutators brochure; Feb 2000

Site H, Interior Trenching, showing brass brochure; Feb 2000

Site H, Interior Trenching, showing Monsanto managers manual; Feb 2000

Site H, Interior Trenching, showing Southwestern Bell Yellow Pages 1948; Feb 2000

Site H, Interior Trenching, showing Conferro Paint and Varnish freight bill; Feb 2000

Site H, Interior Trenching, showing Conferro Paint and Varnish bill of lading; Feb 2000

Site H, Interior Trenching, showing Roblee Shoe Co.; Feb 2000

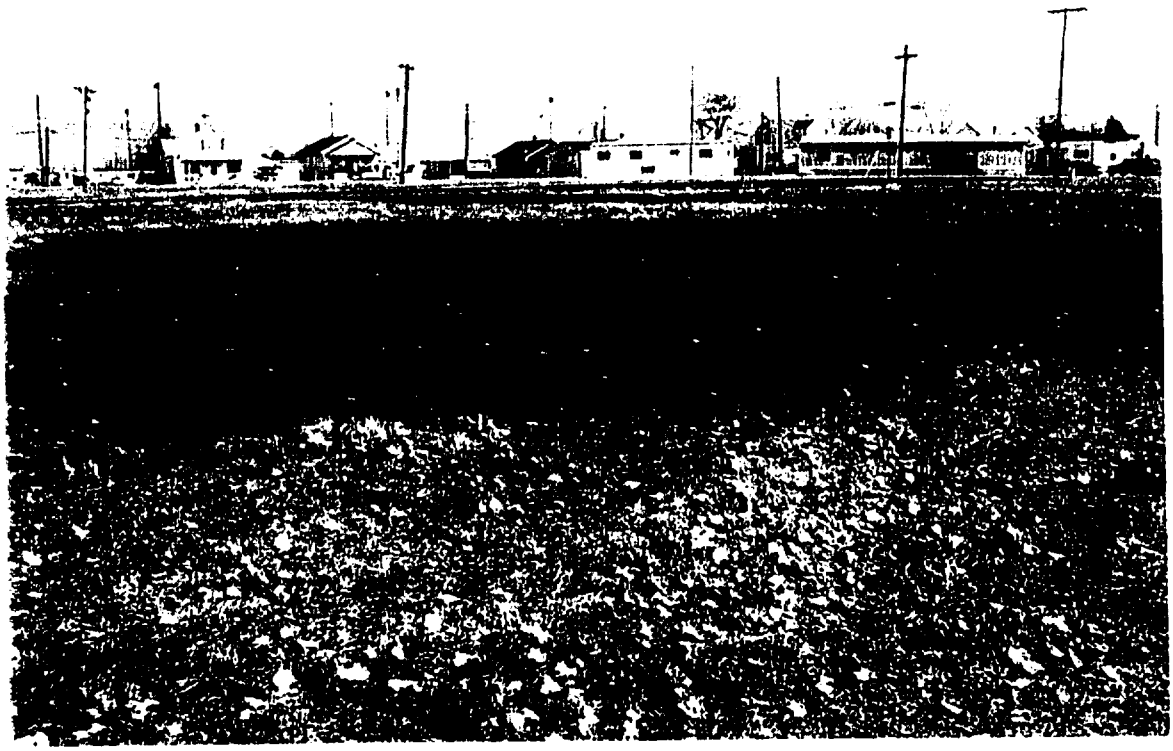
Site H, Interior Trenching, showing Roblee Shoe Co.; Feb 2000

Site H, Interior Trenching, showing all of the literature collected; Feb 2000

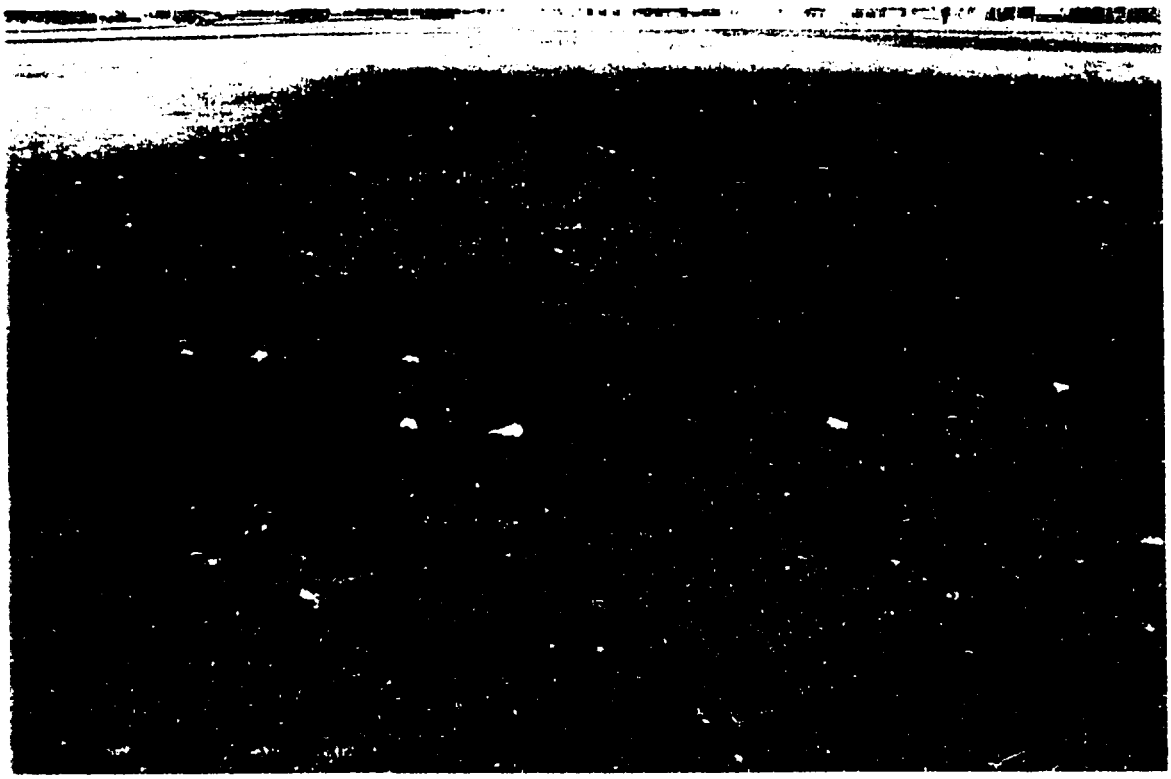
Site H, Interior Trenching, restored interior trench; Mar 2000

Site H, Interior Trenching, restored interior trench; Mar 2000

Site H, Interior Trenching, restored interior trench; Mar 2000



Site H, Interior Trenching, restored interior trench; Mar 2000



Site H, Interior Trenching, restored interior trench; Mar 2000

Site I, North, Interior Trenching, showing northeast sidewall of trench; Mar 2000

Site I, North, Interior Trenching, showing east sidewall of trench; Mar 2000

Site I, North, Interior Trenching, showing east sidewall of trench as taken facing southeast; Mar 2000

Site I, North, Interior Trenching, showing west sidewall as taken facing southwest; Mar 2000

Site I, North, Interior Trenching, showing large concrete slab; Mar 2000

Site I, North, Interior Trenching, showing column with metal sticking out; Mar 2000

Site I, North, Interior Trenching, showing various chunks of concrete containing rebar; Mar 2000

Site I, North, Interior Trenching, showing large concrete slab; Mar 2000

Site I, North, Interior Trenching, showing various chunks of concrete containing rebar; Mar 2000

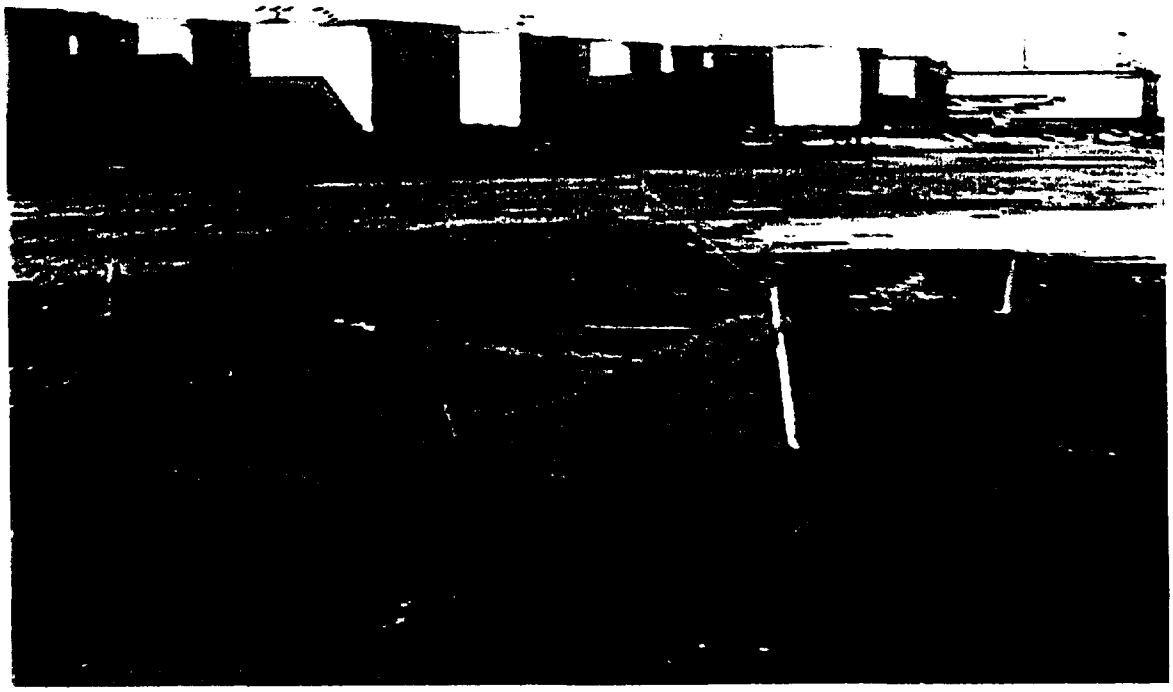
Site I, North, Interior Trenching, showing length of trench as taken facing northeast; Mar 2000

Site I, North, Interior Trenching, showing length of trench as taken facing northwest;
Mar 2000

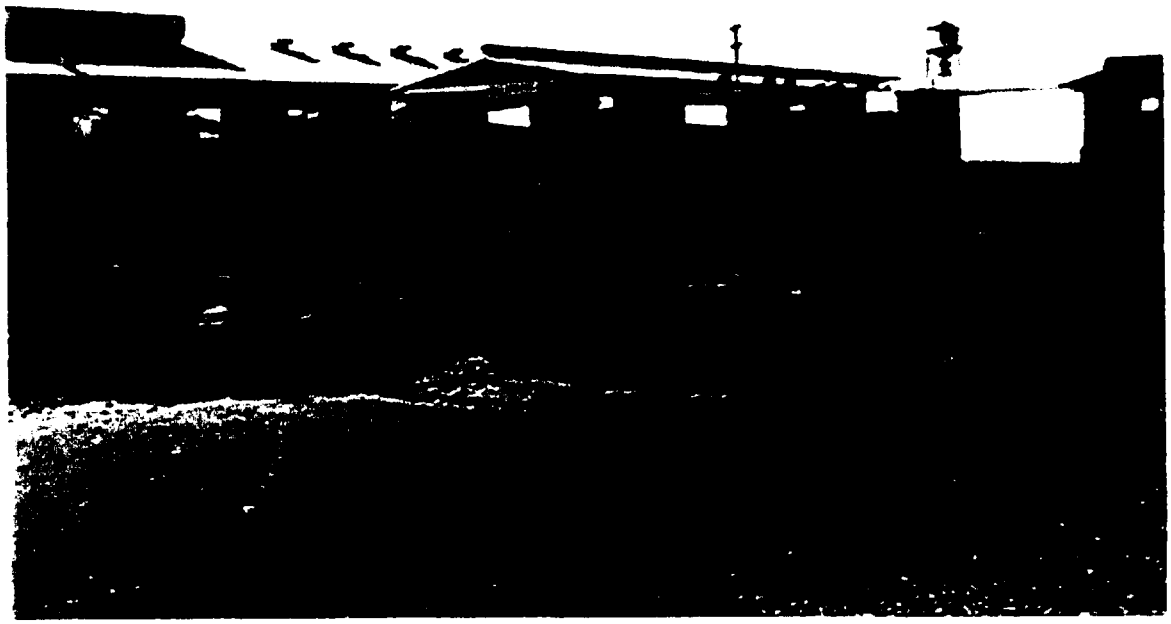
Site I, North, Interior Trenching, showing length of trench as taken facing northwest;
Mar 2000

Site I, North, Interior Trenching, showing surface and sub-surface soil pile; Mar 2000

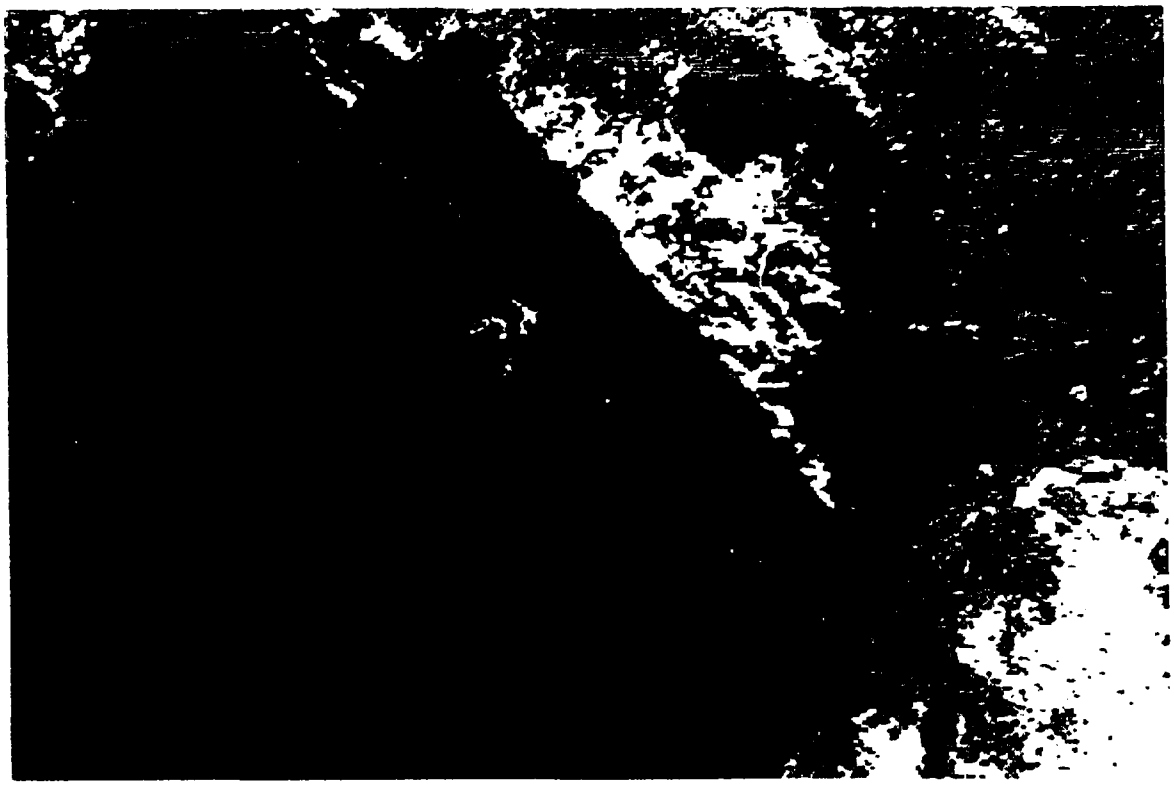
Site I, North, Interior Trenching, showing length of trench as taken facing south; Mar 2000



Site I, North, Interior Trenching, restored interior trench; Mar 2000



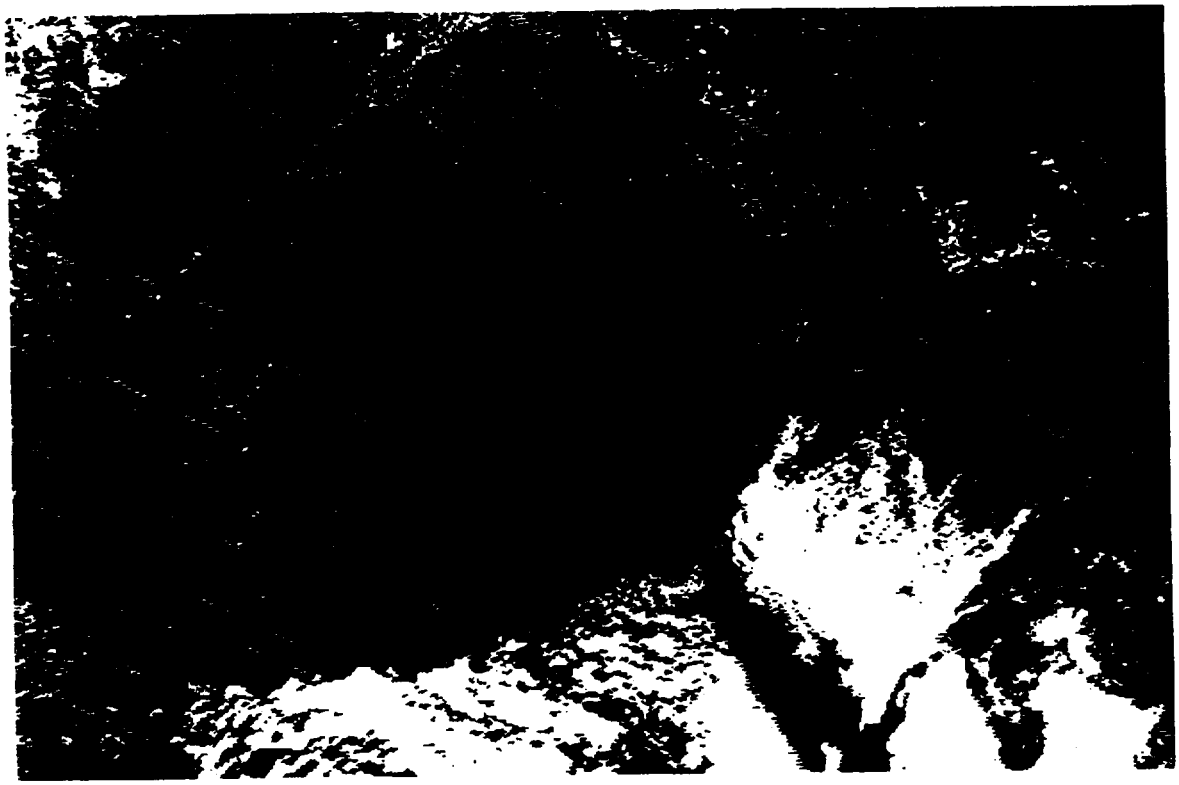
Site I, North, Interior Trenching, restored interior trench; Mar 2000



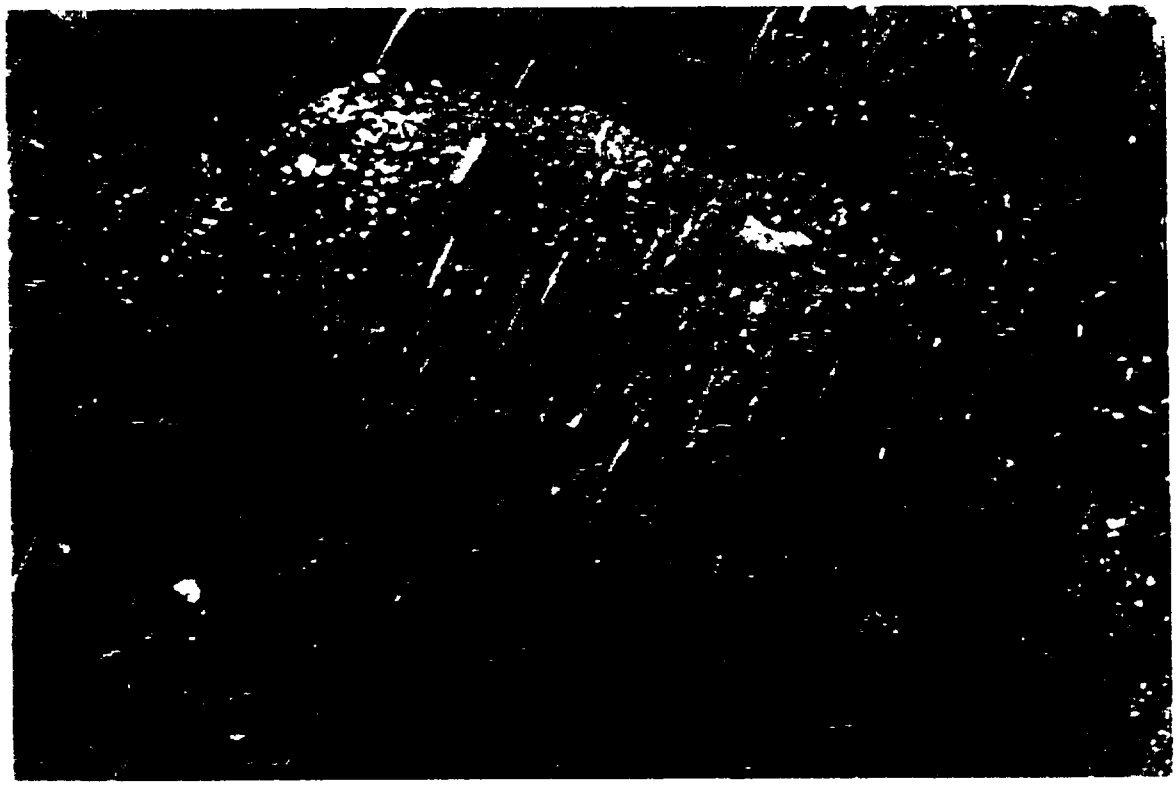
Site I, South, Interior Trenching, showing a damaged drum on top of a pile of drums; Mar 2000

Site I, South, Interior Trenching, showing a damaged drum in a pile of drums; Mar 2000

Site I, South, Interior Trenching, showing a damaged drum in a pile of drums; Mar 2000



Site I, South, Interior Trenching, showing a damaged drum in a pile of drums; Mar 2000



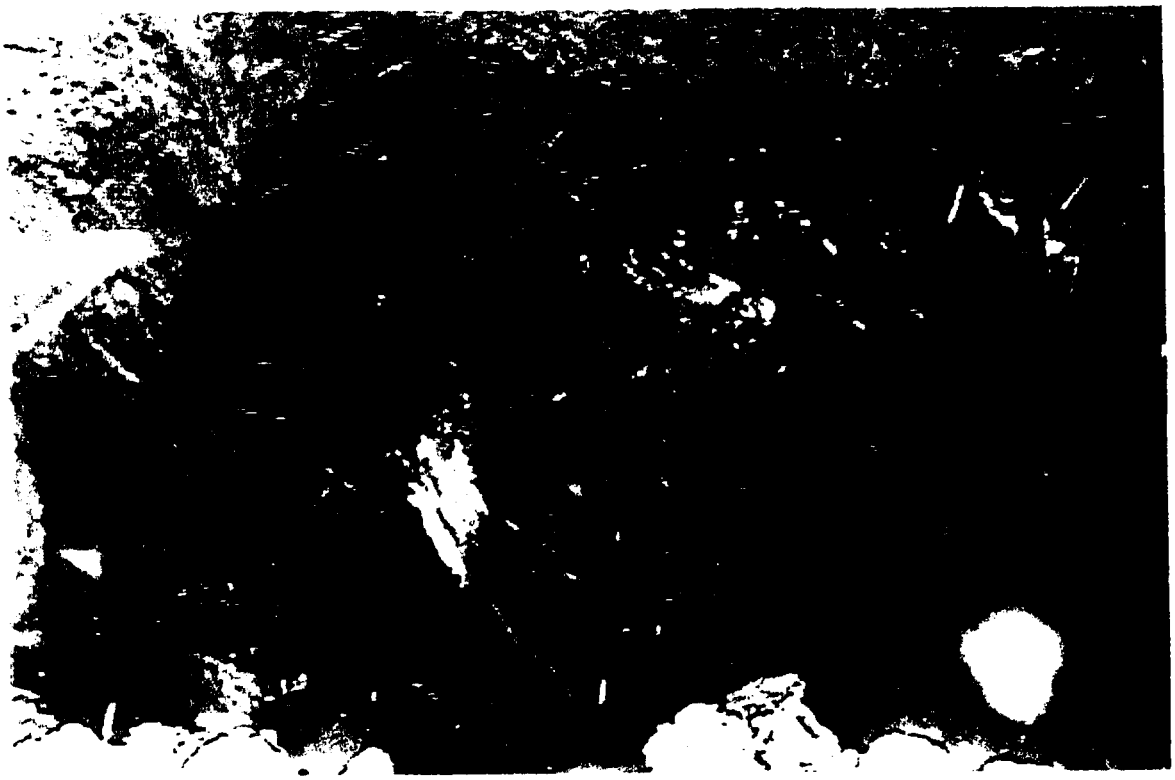
Site I, South, Interior Trenching, showing a damaged drum in a pile of drums; Mar 2000

Site I, South, Interior Trenching, showing overview of drum pile; Mar 2000

Site I, South, Interior Trenching, showing a damaged drum with contents spilling out; Mar 2000

Site I, South, Interior Trenching, showing three damaged drums with contents spilling out; Mar 2000

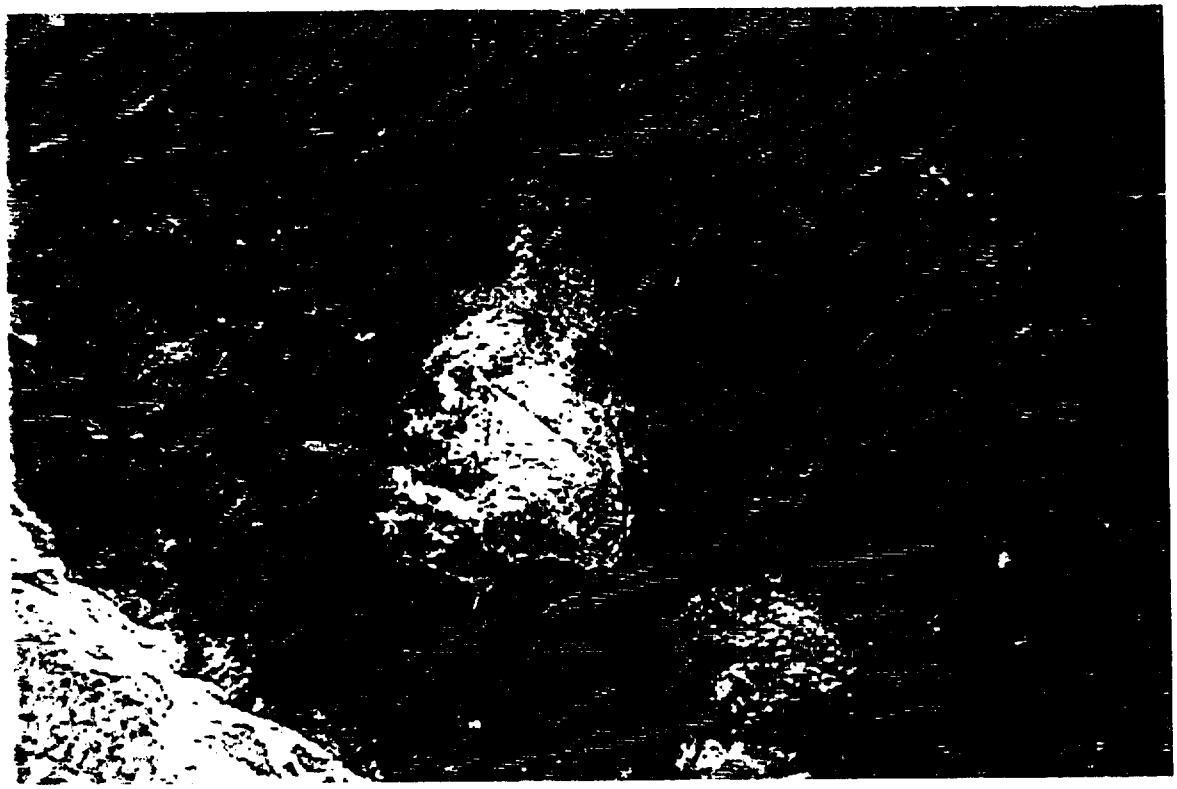
Site I, South, Interior Trenching, showing a damaged drum; Mar 2000



Site I, South, Interior Trenching, showing a damaged drum; Mar 2000

Site I, South, Interior Trenching, showing a damaged drum; Mar 2000

Site I, South, Interior Trenching, showing a damaged drum; Mar 2000



Site I, South, Interior Trenching, showing a damaged drum; Mar 2000

Site I, South, Interior Trenching, showing length of trench as taken facing west; Mar 2000

Site I, South, Interior Trenching, showing debris on trench bottom; Mar 2000

Site I, South, Interior Trenching, showing north sidewall; Mar 2000

Site I, South, Interior Trenching, showing east side of trench with drum pile; Mar 2000

Site I, South, Interior Trenching, showing fill pile as taken facing east; Mar 2000

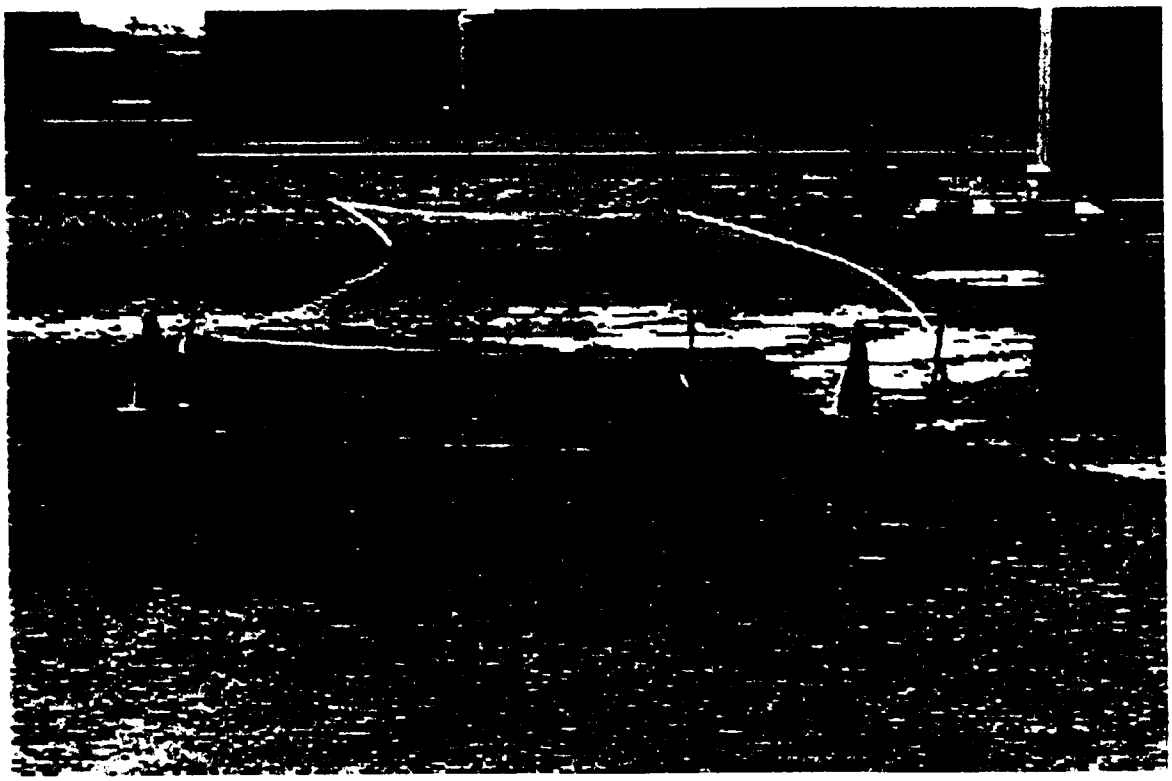
Site I, South, Interior Trenching, showing fill pile as taken facing south; Mar 2000

Site I, South, Interior Trenching, showing native soil pile; Mar 2000

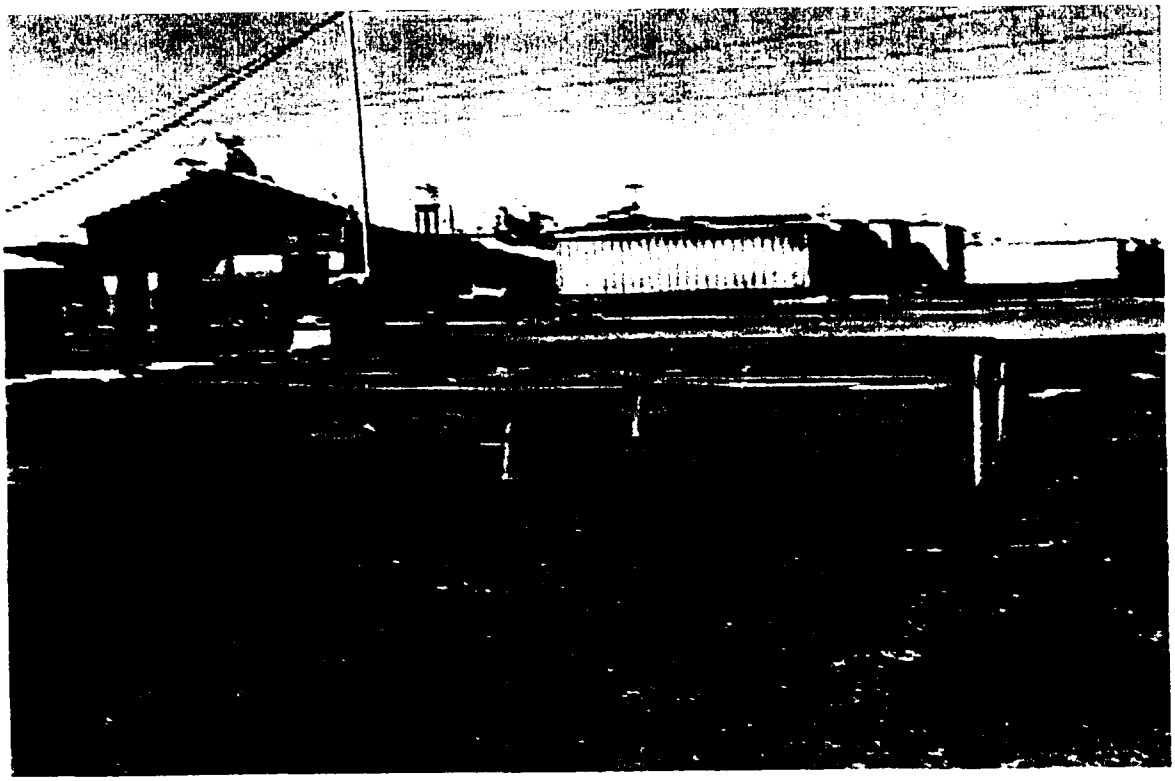
Site I, South, Interior Trenching, showing native soil pile; Mar 2000

Site I, South, Interior Trenching, showing trench with multiple damaged drums; Mar 2000

Site I, South, Interior Trenching, showing overview of site; Mar 2000



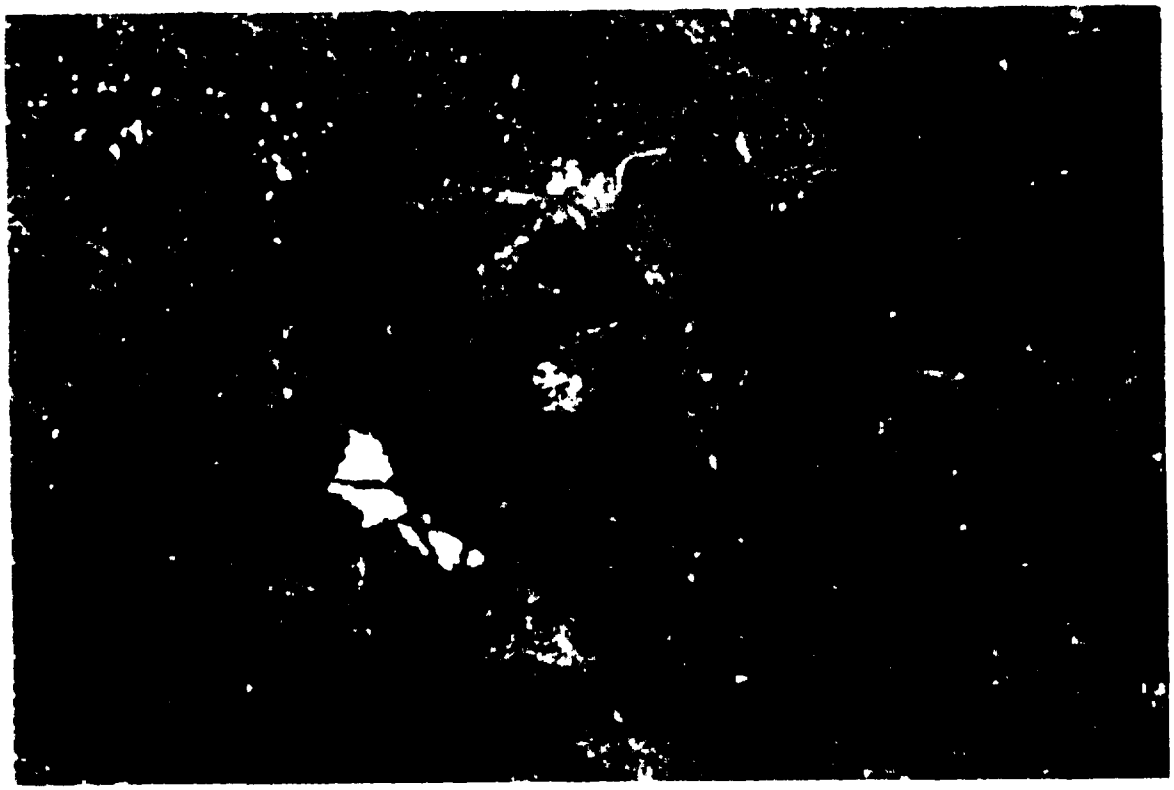
Site I, South, Interior Trenching, restored interior trench; Mar 2000



Site I, South, Interior Trenching, restored interior trench; Mar 2000

Site L, Interior Trenching, showing first damaged drum; Feb 2000

Site L, Interior Trenching, showing second damaged drum; Feb 2000



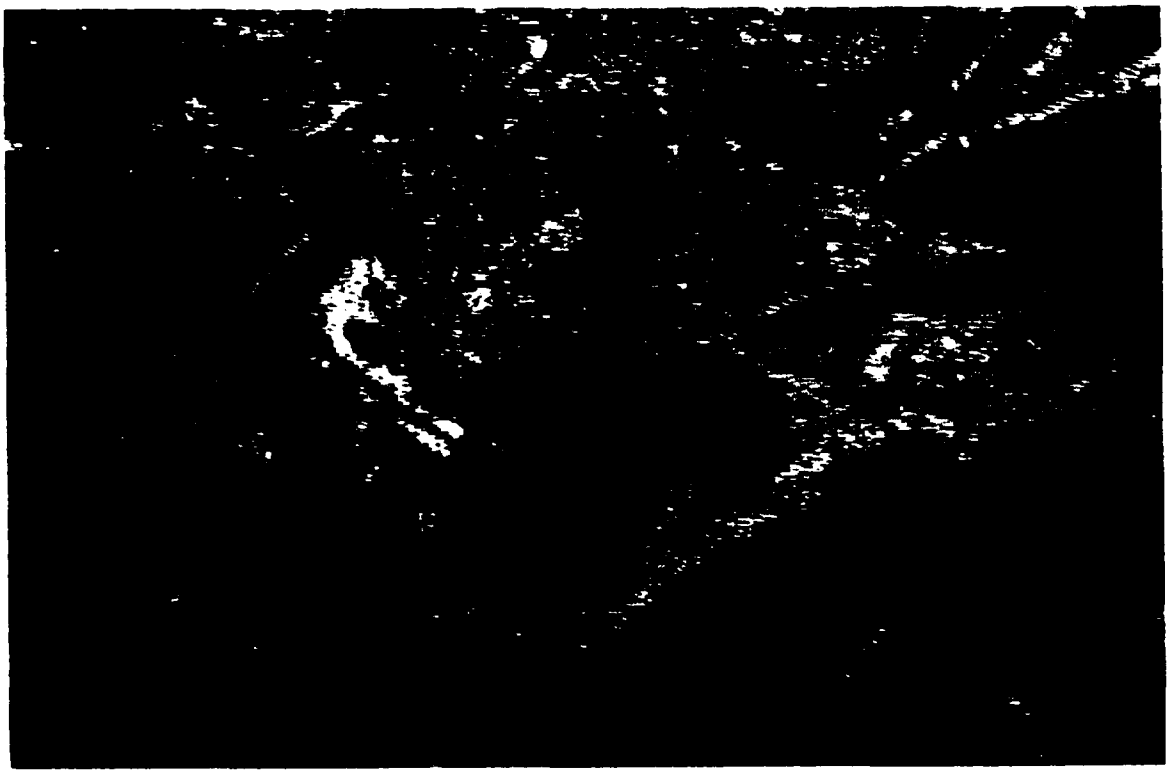
Site L, Interior Trenching, showing third damaged drum; Feb 2000

Site L, Interior Trenching, showing fourth damaged drum; Feb 2000

Site L, Interior Trenching, showing three damaged drums; Feb 2000

Site L, Interior Trenching, showing black tar-like substance coming from drum, Feb 2000

Site L, Interior Trenching, showing a damaged drum facing south; Feb 2000



Site L, Interior Trenching, showing a damaged drum facing south; Feb 2000

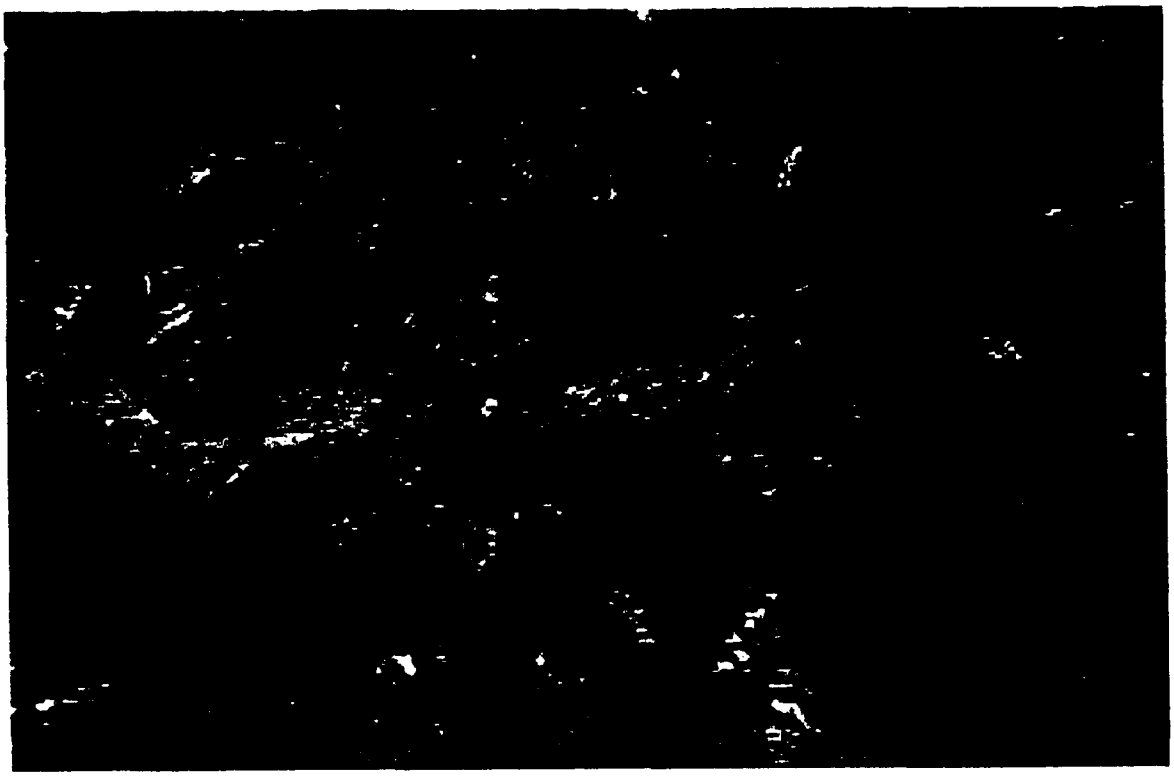
Site L, Interior Trenching, showing damaged drums in a group in center of trench; Feb 2000

Site L, Interior Trenching, showing seventh damaged drum; Feb 2000

Site L, Interior Trenching, showing eighth damaged drum; Feb 2000

Site L, Interior Trenching, showing ninth damaged drum; Feb 2000

Site L, Interior Trenching, showing tenth damaged drum; Feb 2000



Site L, Interior Trenching, showing eleventh damaged drum; Feb 2000

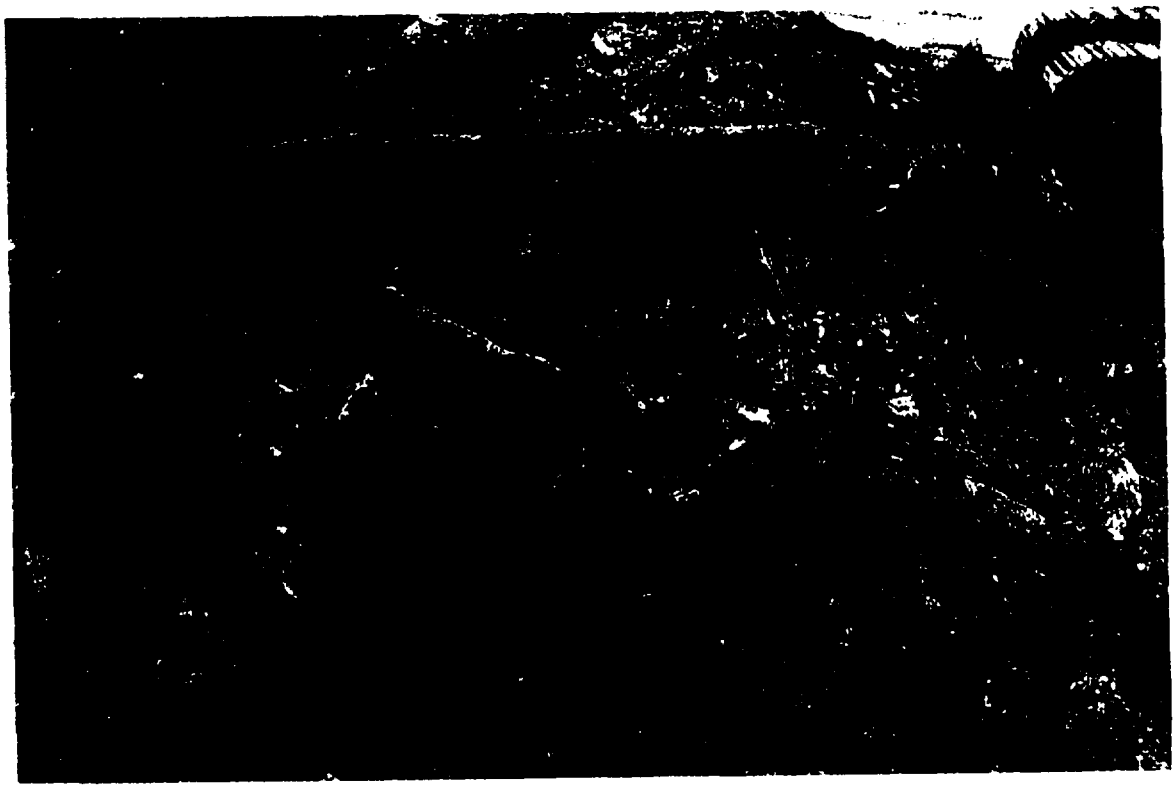
Site L, Interior Trenching, showing twelveth damaged drum; Feb 2000

Site L, Interior Trenching, showing thirteenth damaged drum; Feb 2000

Site L, Interior Trenching, showing fourteenth damaged drum; Feb 2000

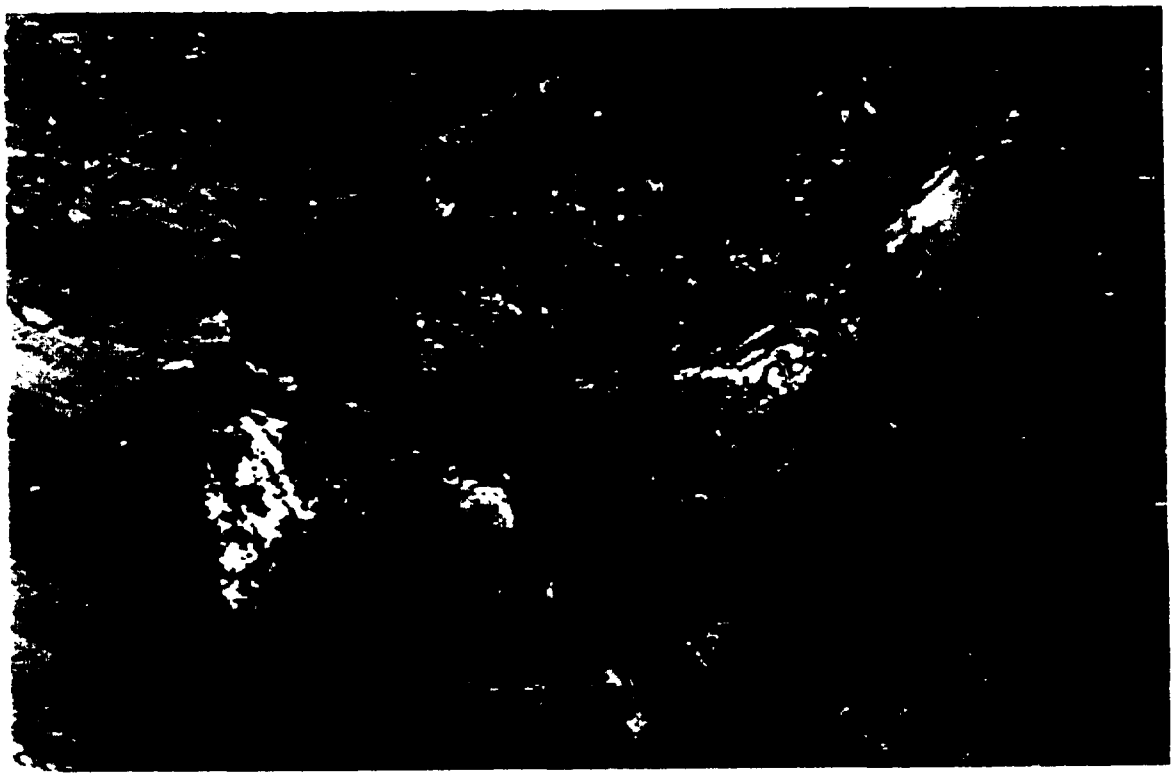
Site L, Interior Trenching, showing fifteenth damaged drum; Feb 2000

Site L, Interior Trenching, showing sixteenth damaged drum; Feb 2000

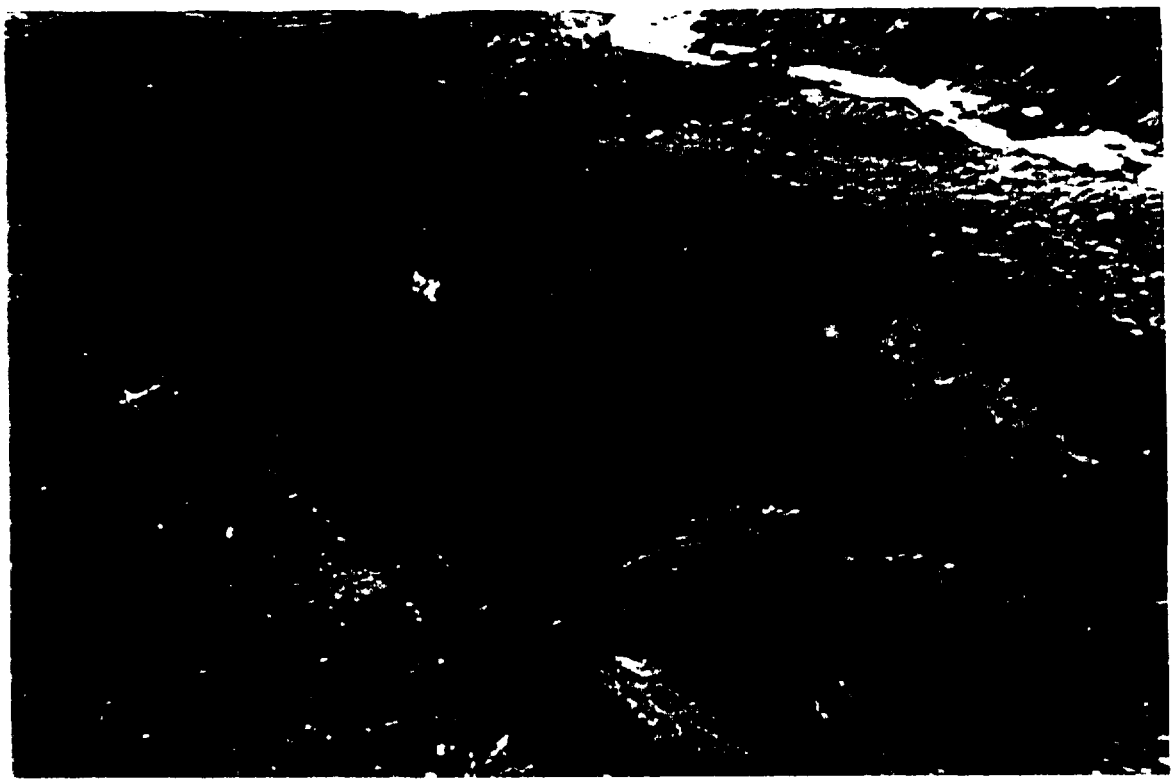


Site L, Interior Trenching, showing seventeenth damaged drum; Feb 2000

Site L, Interior Trenching, showing a damaged drum with Monsanto label; Feb 2000

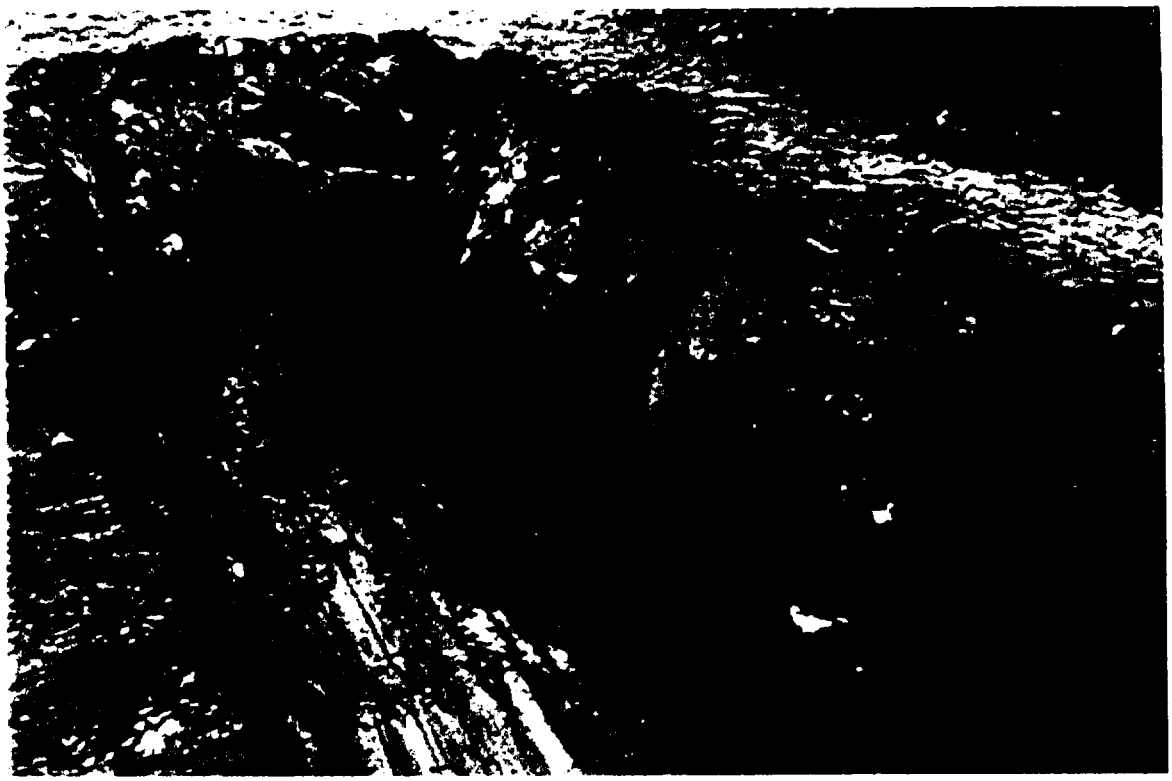


Site L, Interior Trenching, showing eighteenth damaged drum; Feb 2000

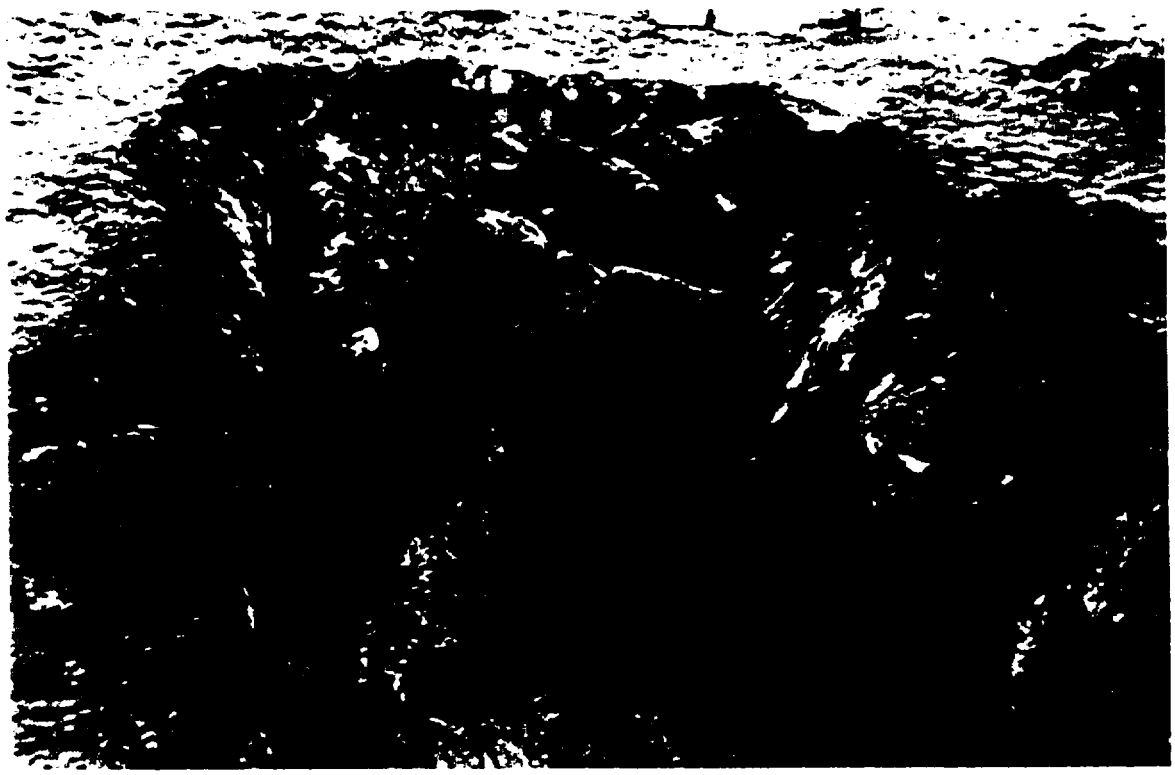


Site L, Interior Trenching, showing south sidewall and west end of excavation; Feb 2000

Site L, Interior Trenching, showing south sidewall with drums in sidewall; Feb 2000



Site L, Interior Trenching, showing west sidewall of trench; Feb 2000



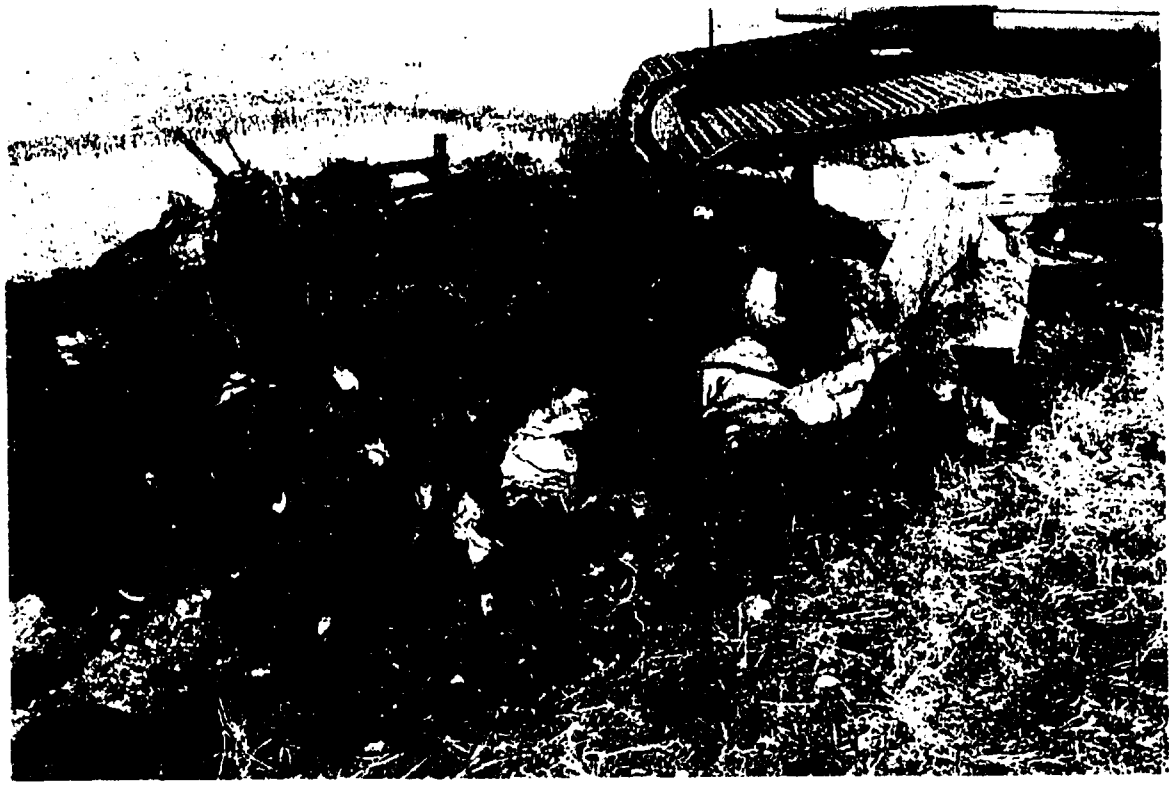
Site L, Interior Trenching, showing pile of excavated drums at east end of trench;
Feb 2000

Site L, Interior Trenching, showing fill pile as taken facing southwest; Feb 2000

Site L, Interior Trenching, showing fill pile as taken facing northwest; Feb 2000

Site L, Interior Trenching, showing native soil pile; Feb 2000

Z



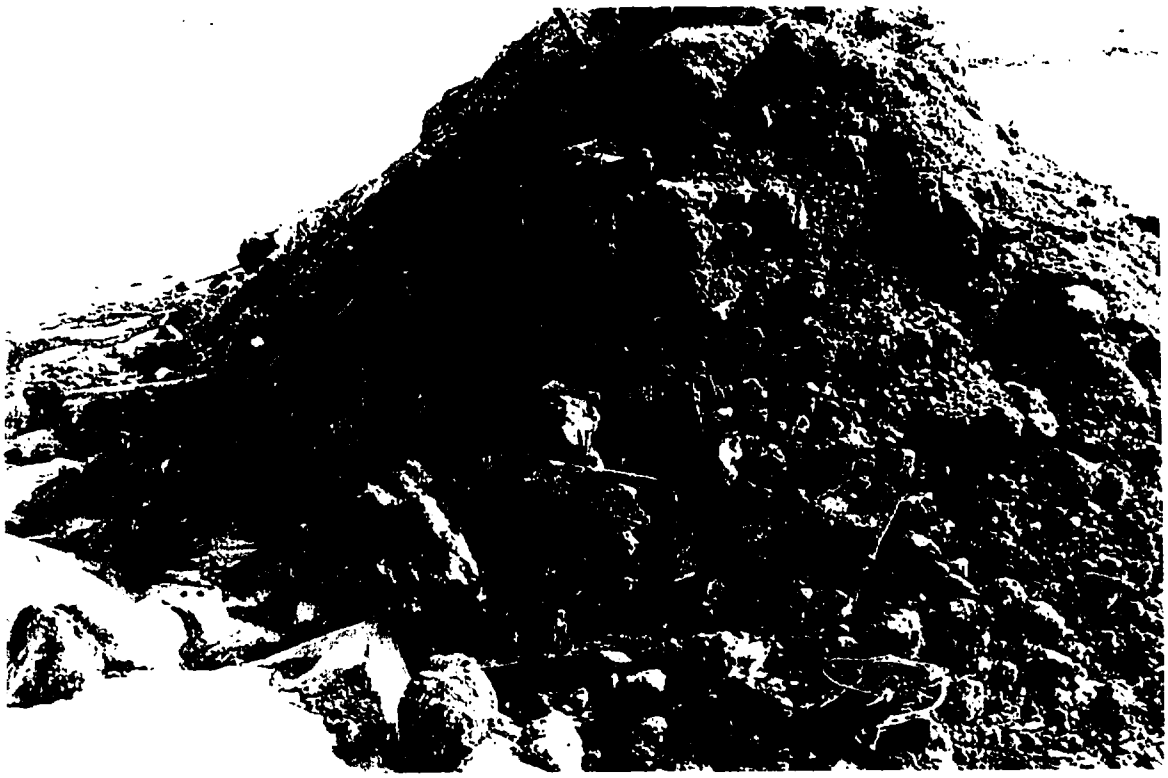
Site N, Interior Trenching, showing debris at north end of trench; Feb 2000

Site N, Interior Trenching, showing trench as taken facing south; Feb 2000

Site N, Interior Trenching, showing native soil pile; Feb 2000

Site N, Interior Trenching, showing trench as taken facing east; Feb 2000

Site N, Interior Trenching, showing fill pile; Feb 2000



Site N, Interior Trenching, showing fill pile; Feb 2000

Site N, Interior Trenching, showing debris in fill pile as taken facing south; Feb 2000

Site N, Interior Trenching, showing drum lid and slab of concrete in fill pile; Feb 2000

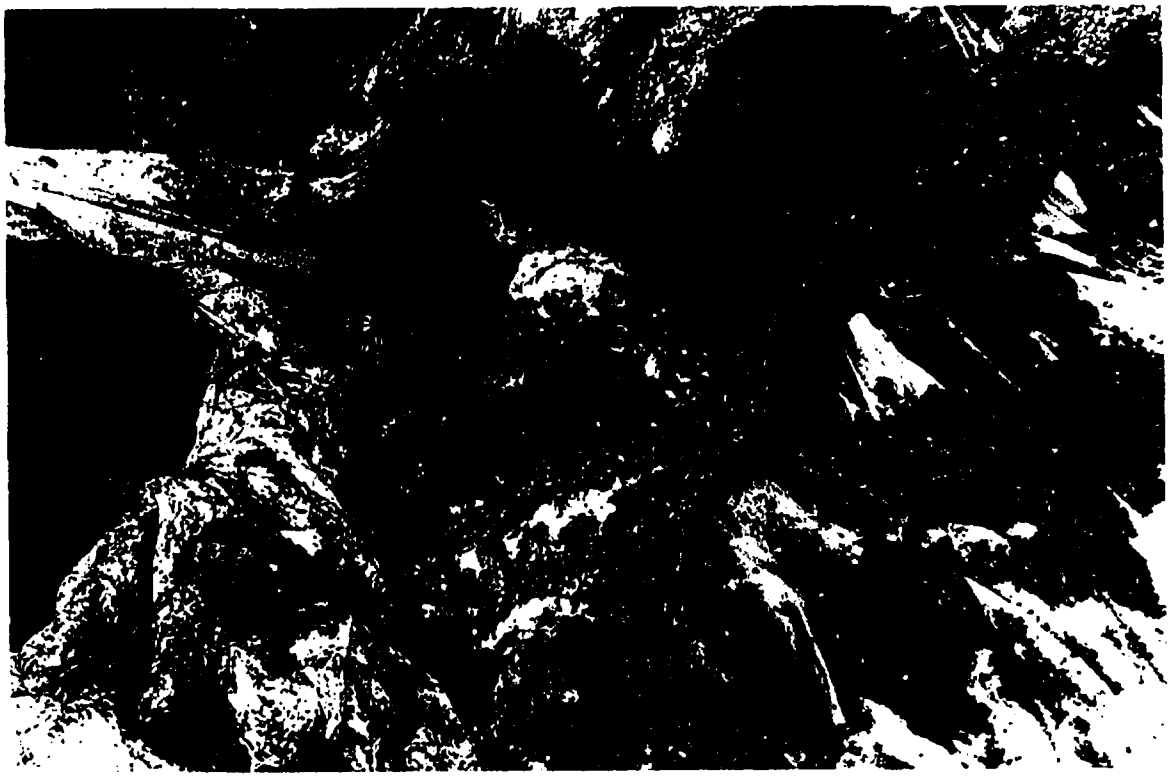
Site N, Interior Trenching, showing west sidewall of trench; Feb 2000

Site N, Interior Trenching, showing drum lid and slab of concrete in fill pile; Feb 2000

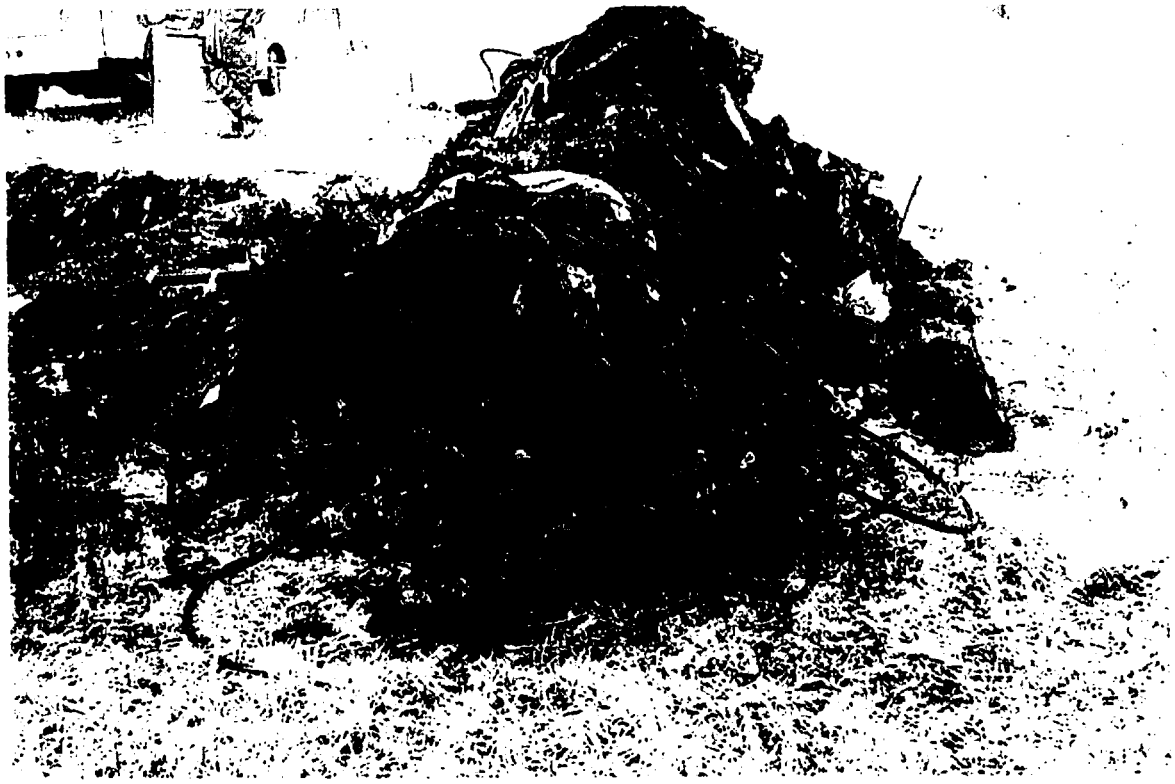
Site N, Interior Trenching, showing damaged drum in fill pile; Feb 2000

Site N, Interior Trenching, showing groundwater and south sidewall; Feb 2000

Site N, Interior Trenching, showing second damaged drum; Feb 2000



Site N, Interior Trenching, showing second damaged drum as taken from above ;
Feb 2000



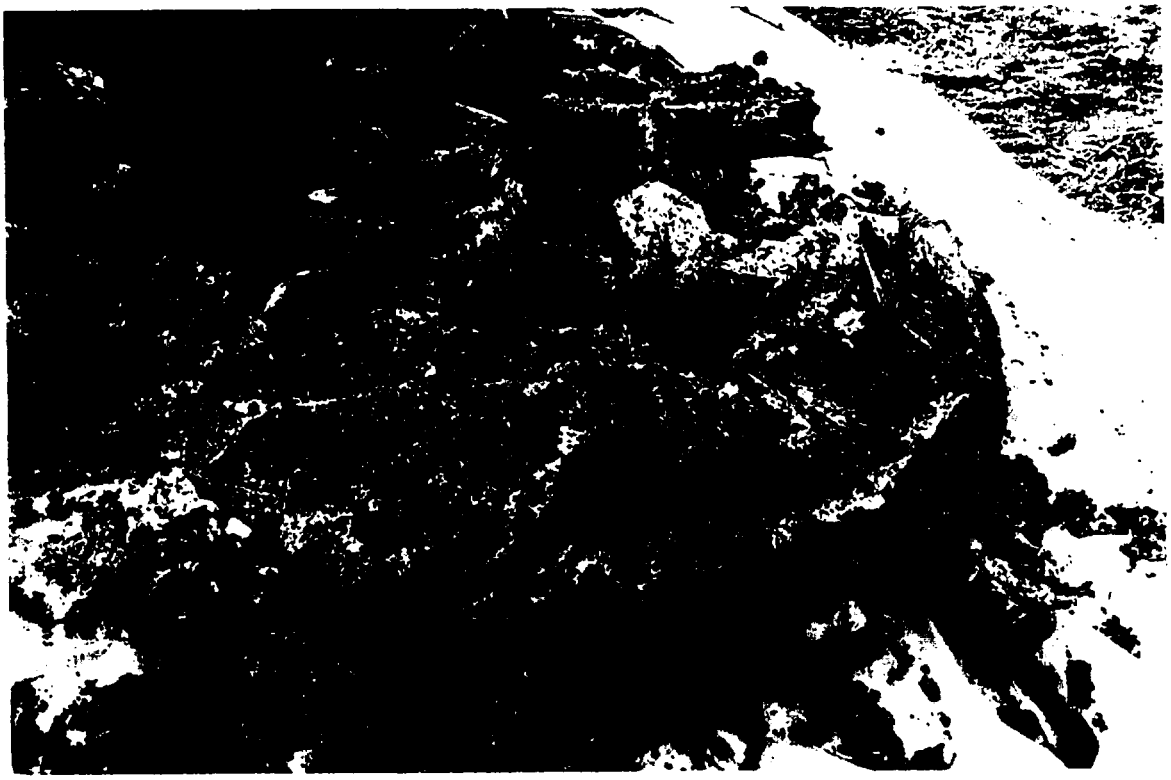
Site N, Interior Trenching, showing cable; Feb 2000

Site N, Interior Trenching, showing a damaged drum; Feb 2000

Site N, Interior Trenching, showing a damaged drum; Feb 2000

Site N, Interior Trenching, showing a damaged drum; Feb 2000

Site N, Interior Trenching, showing a damaged drum; Feb 2000



Site N, Interior Trenching, showing a damaged drum; Feb 2000

Site N, Interior Trenching, showing a damaged drum; Feb 2000

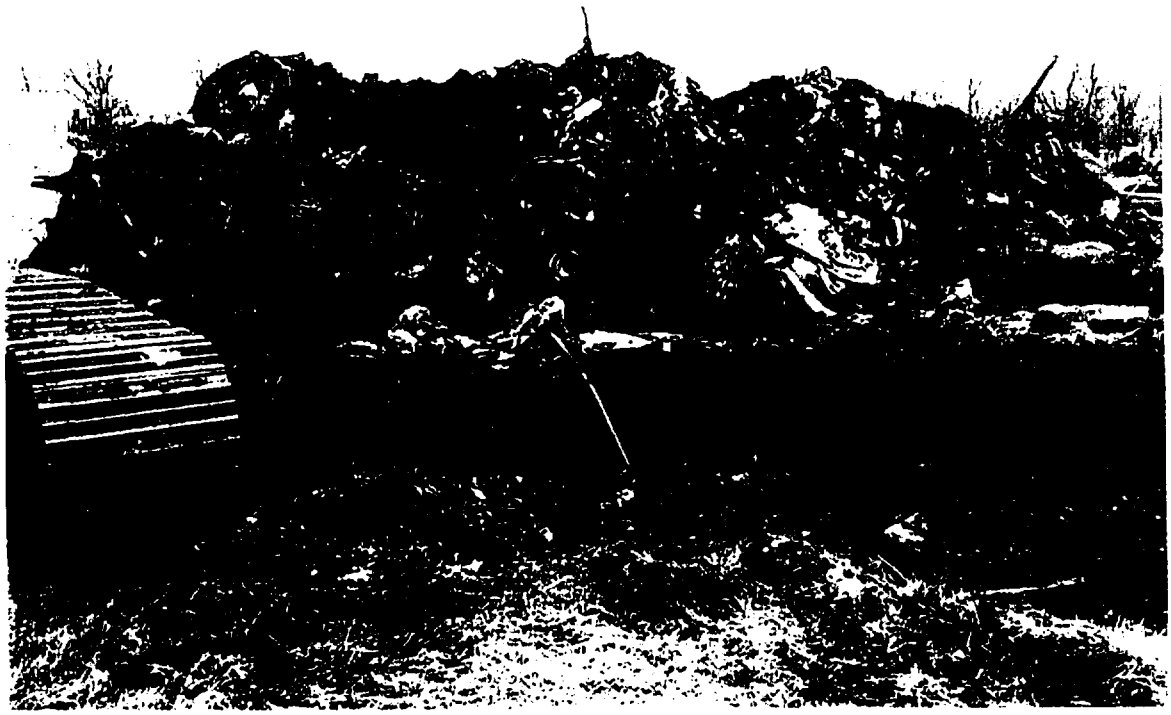
Site N, Interior Trenching, showing a damaged drum; Feb 2000

Site N, Interior Trenching, showing trench as taken facing north; Feb 2000

Site N, Interior Trenching, showing trench as taken facing south; Feb 2000

Site N, Interior Trenching, showing east sidewall of trench; Feb 2000

Site N, Interior Trenching, showing west sidewall of trench; Feb 2000



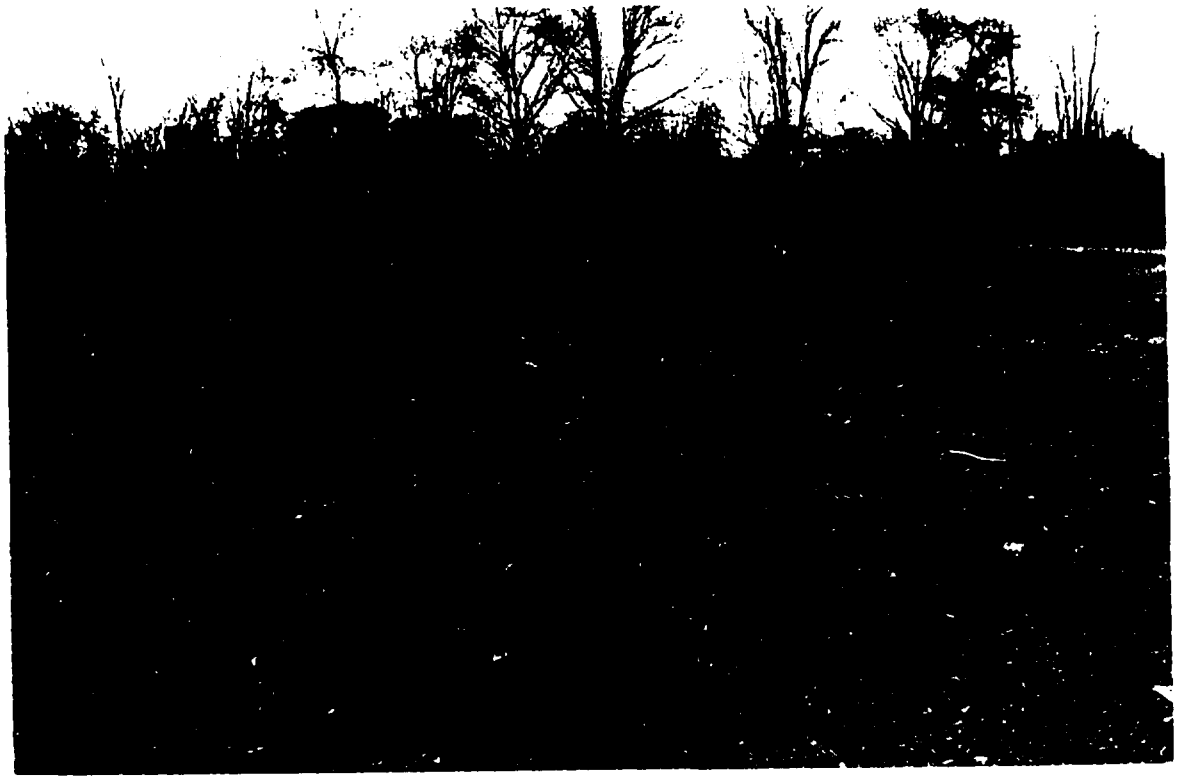
Site N, Interior Trenching, showing native soil pile as taken facing west; Feb 2000

Site N, Interior Trenching, showing fill pile as taken facing west; Feb 2000

Site N, Interior Trenching, showing native soil pile as taken facing north; Feb 2000

Site N, Interior Trenching, showing fill pile as taken facing southeast; Feb 2000

Site N, Interior Trenching, restored interior trench; Mar 2000



Site N, Interior Trenching, restored interior trench; Mar 2000

Section 3.6

3.6. Ground Water Sampling

Ground water samples were collected in the alluvial aquifer and bedrock at the fill areas, in the alluvial aquifer downgradient of the fill areas, and in shallow ground water and domestic wells adjacent to Dead Creek. These activities are described in subsequent sections. The purpose of this sampling was to define current ground water quality conditions at the source areas, to define the extent of migration away from the source areas, and to provide information for the human health risk assessment (construction/utility worker exposure, vapor intrusion into buildings, and residential use of ground water from shallow wells for lawn and garden watering). The HHRA Work Plan is in Volume 1B of the SSP.

3.6.1. Degree of Hazard and Mobility of Constituents of Concern

Sample number, sample coordinates, and organic and inorganic constituents detected in ground water during past investigations of Sauget Area 1 will be compiled into a GIS-compatible data base, along with data from the EE/CA and RI/FS SSP. Frequency of detection and average, maximum, minimum, and 95% confidence interval concentrations will be compiled for each detected constituent. Constituent mobility and hazard will be assessed during the HHRA.

3.6.2. Recharge and Discharge Areas

Ground water conditions in the American Bottoms aquifer have been studied extensively by the Illinois State Water Survey, Illinois State Geological Survey, and the U.S. Geological Survey. Information from these studies will be used to define recharge and discharge areas.

Experience at Site R and information from published reports on the American Bottoms aquifer indicate that ground water flow patterns in the study area are primarily controlled by the Mississippi River and, to a lesser degree, by Dead Creek. Both drainages run north/south, and ground water will flow toward them in an east/west direction. For ground water to flow from Sites G, H, I, and N to residences located south of these sites, a strong, local perturbation of the flow system would be needed (for example, a high-capacity pumping well). Plumes associated with Sites G, H, I, and L, as mapped by Ecology and Environment in 1998 (Appendix A of the SSP), do not indicate distortion of the plumes toward the residences on Walnut Street and Judith Lane. Intermittent pumping of domestic wells for gardening or lawn watering is unlikely to stress the aquifer enough to cause constituents of concern (COCs) to migrate 500 feet crossgradient. Evaluation of historical data, as described in Section 3.6.3 of the 1999 FSP, will evaluate if high-capacity industrial pumping occurred southwest of Site H.

To address USEPA Region V's concern of a southwesterly flow direction from the source areas to the residential areas south of Judith Lane and west of Dead Creek, ground water samples were collected at three locations on a transect running from Site G to Judith Lane. This sampling is described in Section 3.9.

3.6.3. Regional and Local Flow Direction and Quality

Ground water conditions in the American Bottoms have been studied extensively by the Illinois State Water Survey, Illinois State Geological Survey, and the U.S. Geological Survey. Information from these studies will be used to define regional and local flow direction and quality. Dead Creek data compiled by Ecology and Environment in 1998 will be integrated into this evaluation.

As directed by USEPA Region V, ground water flow conditions at the source areas were evaluated by installing nine piezometer clusters at the locations shown on Figure 1. Each piezometer cluster consists of three small-diameter wells completed in the shallow, intermediate, and deep portions of the alluvial aquifer.

Prior to performing field work, a Preparatory Inspection Meeting attended by a representative of each of the interested parties was held (Section 3.6.3.1.1). In general, piezometers were installed following Section 3.11.3 of the 1999 FSP.

Water levels in each well were measured quarterly for one year to define seasonal fluctuations in water level elevations. Water levels in existing wells were also measured.

3.6.3.1. Documentation

Field logs of ground water measurements for each quarter are included in Log Book Nos. 1, 2, and 5 (Appendix D). Tables summarizing the ground water elevation data are included as Section 3.6.3.1.2. Figure 1 depicts piezometer locations.

Documentation for this task continues on the next page.

3.6.3.1.1. Preparatory Inspection Meeting Form

PREPARATORY INSPECTION MEETING

Conducted by/Company: Alan J Cork / O'Brien & Gere **Date:** 9/20/99
Project Name: Solutia Sauget Area 1 **Task:** Regional Ground Water Flow Piezome

1. Scheduled Work:

2. Equipment, Procedures, Personnel:

3. Ref. To App. Sec. of FSP/HASP:

4. Issues that could arise and how to resolve:

5. Solutia comments:

6. EPA comments:

1) Installation of nine piezometer clusters @ locations shown on Attached Figure 7 from FSP. Each cluster will consist of three small diameter wells completed in the shallow, intermediate, and deep portions of the alluvial aquifer (~20, 40, & 60' respectively). Piezometers will be have water levels checked every Qtr for 4 Qtrs

2) Geoprobe and/or drill rigs depending upon nature or overburden soils. Personnel from Harris & one OBG geologist. None of the piezometers to be in known fill areas

3) Sec 5.6.3 of FSP ~~w/ "Logging unconsolidated sample" section from 5.3.3 of FSP~~. HASP Sections 4.12 & 4.13

4) Property Access for One cluster on the east side of Site N - No Access to Site N to Date

ATTENDANCE:

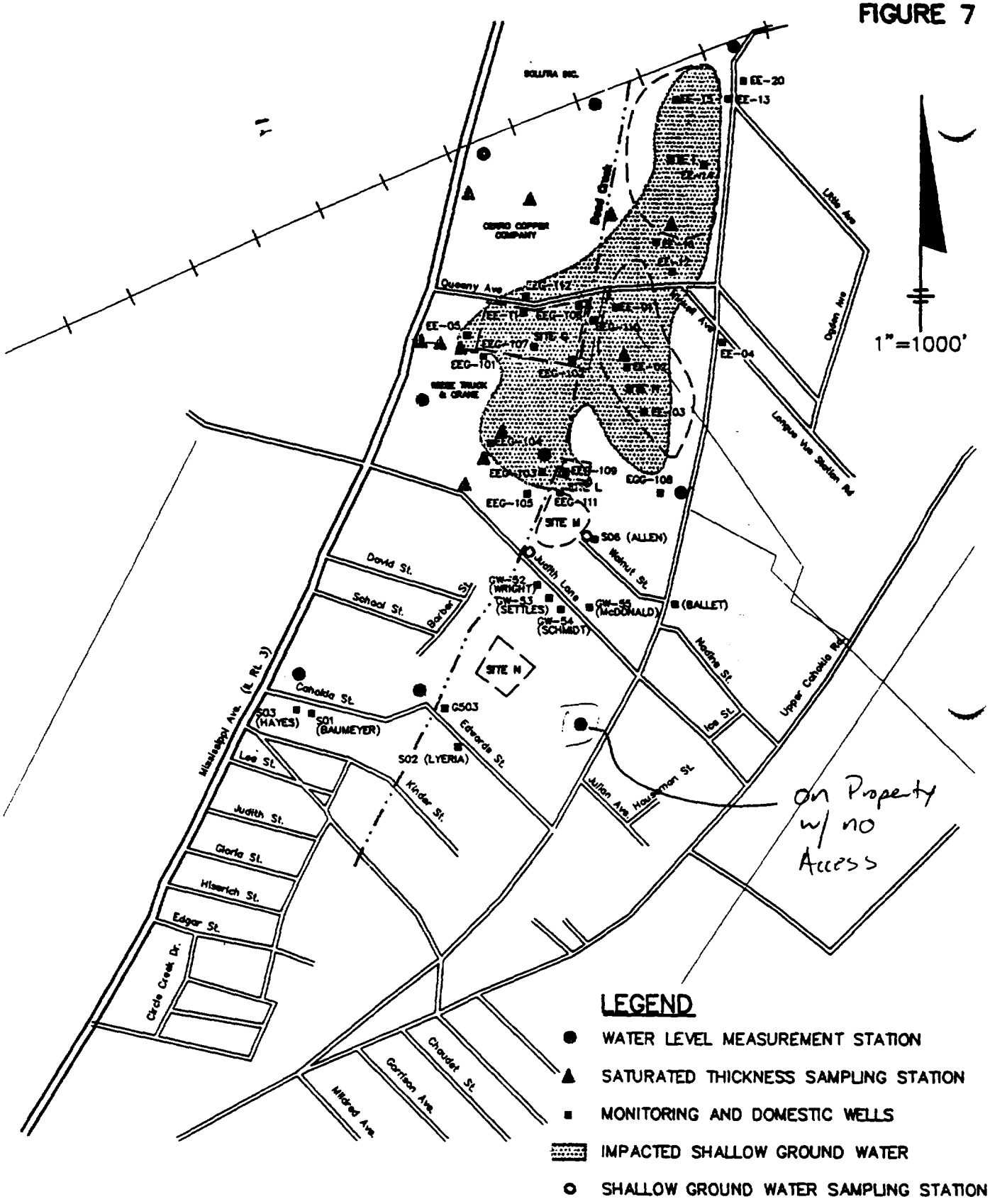
EMPLOYEE NAME (print)	EMPLOYEE SIGNATURE	COMPANY
Alan J Cork	[signature]	O'Brien & Gere
Jim Harriss	Jim Harriss	Harriss Drilling
Kimberly Perry	[signature]	Solutia
John Fiore	[signature]	Maverick
Erik Kemper	[signature]	RFW
Bill Wright	Bill Wright	O'Brien & Gere

IF ADDITONAL SPACE IS REQUIRED, RECORD ON REVERSE SIDE

Alan J Cork / [signature]
PRINTED NAME/ SIGNATURE OF PREPARER

9/20/99
DATE

FIGURE 7



SAUGET AREA 1 SUPPORT SAMPLING PLAN
SAUGET & CAHOKIA, IL

GROUND WATER SAMPLING LOCATIONS

23548.010.11
3/30/99

CORRIGAN & GORE ENGINEERS INC.

PLOT DATE: 3/30/99

PREPARATORY INSPECTION MEETING

Conducted by/Company: Alan Cark / O'Brien & Gere **Date:** 9/28/99
Project Name: Solutia Sauget Area 1 **Task:** 3rd QTR 1999 GW Elevations From Existing Wells & New Piezom

1. Scheduled Work:

2. Equipment, Procedures, Personnel:

3. Ref. To App. Sec. of FSP/HASP:

4. Issues that could arise and how to resolve:

5. Solutia comments:

6. EPA comments:

1) Collect 3rd QTR 1999 groundwater elevations from Existing Wells and the piezometers installed during the week of 9/20/99

2) PPE, RAM, PID, 4-Gas Meter, Water Level probe, Water Interface probe. Two person Crew from O'Brien & Gere

3) FSP Sec. 5.6.3 HASP Sec 4.1.2 & 4.1.3 (Level C initially w/ existing wells) (Piezometer Level D)

4) Existing Wells may have NAPL present. Will Document presence and estimated thicknesses.
May not have access to all existing well properties

5) None

6) None

ATTENDANCE:

EMPLOYEE NAME (print)	EMPLOYEE SIGNATURE	COMPANY
Alan Cark	O'Brien & Gere	
Erik Kengel	RF Weston	
Kimberly Perry	Solutia	

IF ADDITONAL SPACE IS REQUIRED, RECORD ON REVERSE SIDE

Alan J Cark
PRINTED NAME/ SIGNATURE OF PREPARER

9/28/99
DATE

Given to Weston @ 0900 on 9/28/99

3.6.3.1.2. Elevation Data

Table 4 *Ground Water Elevation Data (3Q99) - Solutia - Sauget Area 1*

Piezometer/Well	Approx. Grade Elev.	GW Depth below Grade 3Q99	TOC Elev.	GW Depth below TOC 3Q99	GW Elev. 3Q99	Notes
P1-A-S	416.3	19.55	--	--	396.8	*
P1-A-M	416.3	20.54	--	--	395.8	*
P1-A-D	416.3	20.88	--	--	395.4	*
P1-B-S	411.4	14.35	--	--	397.1	*
P1-B-M	411.4	15.03	--	--	396.4	*
P1-B-D	411.4	14.96	--	--	396.4	*
P1-C-S	413.9	16.91	--	--	397.0	*
P1-C-M	413.9	15.88	--	--	398.0	*
P1-C-D	413.9	15.79	--	--	398.1	*
P2-A-S	408.2	10.94	--	--	397.3	*
P2-A-M	408.2	11.04	--	--	397.2	*
P2-A-D	408.2	11.06	--	--	397.1	*
P2-B-S	404.7	6.84	--	--	397.9	*
P2-B-M	404.7	6.84	--	--	397.9	*
P2-B-D	404.7	6.75	--	--	398.0	*
P2-C-S	406.3	7.30	--	--	399.0	*
P2-C-M	406.3	7.50	--	--	398.8	*
P2-C-D	406.3	7.98	--	--	398.3	*
P3-A-S	409.2	12.23	--	--	397.0	*
P3-A-M	409.2	12.07	--	--	397.1	*
P3-A-D	409.2	12.19	--	--	397.0	*
P3-B-S	406.7	9.58	--	--	397.1	*
P3-B-M	406.7	9.78	--	--	396.9	*
P3-B-D	406.7	9.64	--	--	397.1	*
P3-C-S	--	--	--	--	NA	**
P3-C-M	--	--	--	--	NA	**
P3-C-D	--	--	--	--	NA	**
EE-20	--	--	411.09	13.37	397.72	
EEG-108	--	--	406.92	8.69	398.23	
EE-04	--	--	412.96	14.68	398.28	
EE-01	--	--	408.42	10.72	397.70	
EE-03	--	--	411.17	13.17	398.00	
EE-05	--	--	410.87	NR	NA	bent

Table 4 *Ground Water Elevation Data (3Q99) - Solutia - Sauget Area 1*

Piezometer/Well	Approx. Grade Elev.	GW Depth below Grade 3Q99	TOC Elev.	GW Depth below TOC 3Q99	GW Elev. 3Q99	Notes
EEG-101	--	--	412.04	14.73	397.31	
EEG-102	--	--	408.82	11.15	397.67	
EEG-104	--	--	409.26	11.18	398.08	
EEG-106	--	--	407.64	9.99	397.65	
EEG-107	--	--	410.18	12.76	397.42	
EEG-109	--	--	409.44	11.70	397.74	
EEG-110	--	--	408.72	10.93	397.79	
EEG-112	--	--	407.60	10.18	397.42	
EE-11	--	--	408.69	NR	NA	
EE-14	--	--	409.95	NR	NA	bent

Notes:
GW = ground water
3Q99 = third quarter 1999
TOC = top of casing
* = GW elevations from piezometers in 3Q99 were referenced to approximate grade elevations rather than to TOC elevations. TOC elevations for piezometers were not obtained in 3Q99 since they were considered temporary until protective casings were installed. (The installation process for protective casings often requires that the piezometer TOC elevation be altered.) TOC elevations were later obtained for the piezometers after protective casings were installed. Grade elevations were obtained from the 1999 topographic base map developed by Surdex Corporation.
** = not installed 3Q99
NR = not recorded
NA = not applicable
Source: O'Brien & Gere Engineers, Inc.

Table 5 *Ground Water Elevation Data (4Q99) - Solutia - Sauget Area 1*

Piezometer/Well	TOC Elev.	GW Depth below TOC 4Q99	GW Elev. 4Q99	Notes
P1-A-S	416.69	21.81	394.88	
P1-A-M	416.70	24.15	392.55	
P1-A-D	416.65	24.01	392.64	
P1-B-S	414.83	20.00	394.83	
P1-B-M	414.97	20.96	394.01	
P1-B-D	414.90	20.88	394.02	
P1-C-S	415.92	19.50	396.42	
P1-C-M	415.94	21.25	394.69	
P1-C-D	415.97	21.35	394.62	
P2-A-S	410.87	16.42	394.45	
P2-A-M	410.57	16.72	393.85	
P2-A-D	410.90	17.00	393.90	
P2-B-S	407.52	12.42	395.10	
P2-B-M	407.44	12.37	395.07	
P2-B-D	407.60	12.53	395.07	
P2-C-S	409.26	11.43	397.83	
P2-C-M	409.10	13.49	395.61	
P2-C-D	409.48	13.86	395.62	
P3-A-S	411.81	16.78	395.03	
P3-A-M	411.68	17.37	394.31	
P3-A-D	411.85	17.56	394.29	
P3-B-S	410.11	15.12	394.99	
P3-B-M	409.81	14.86	394.95	
P3-B-D	410.15	15.19	394.96	
P3-C-S	412.01	15.35	396.66	
P3-C-M	412.08	16.23	395.85	
P3-C-D	412.16	16.25	395.91	
EE-20	411.09	16.20	394.89	
EEG-108	406.92	11.30	395.62	
EE-04	412.96	NR	NA	no access
EE-01	408.42	13.54	394.88	
EE-03	411.17	15.96	395.21	
EE-05	410.87	16.74	394.13	

Table 5 *Ground Water Elevation Data (4Q99) - Solutia - Sauget Area 1*

Piezometer/Well	TOC Elev.	GW Depth below TOC 4Q99	GW Elev. 4Q99	Notes
EEG-101	412.04	17.82	394.22	
EEG-102	408.82	13.37	395.45	
EEG-104	409.26	14.24	395.02	
EEG-106	407.64	12.78	394.86	
EEG-107	410.18	15.49	394.69	
EEG-109	409.44	14.49	394.95	bent
EEG-110	408.72	13.84	394.88	
EEG-112	407.60	13.31	394.29	
EE-11	408.69	17.38	391.31	
EE-14	409.95	14.31	395.64	bent

Notes:
4Q99 = fourth quarter 1999
TOC = top of casing
NR = not recorded
NA = not applicable
Source: O'Brien & Gere Engineers, Inc.

Table 6 *Ground Water Elevation Data (1Q00) - Solutia - Sauget Area 1*

Piezometer/Well	TOC Elev.	GW Depth below TOC 1Q00	GW Elev. 1Q00	Notes
P1-A-S	416.69	21.85	394.84	
P1-A-M	416.70	25.93	390.77	
P1-A-D	416.65	25.85	390.80	
P1-B-S	414.83	dry	NA	
P1-B-M	414.97	22.74	392.23	
P1-B-D	414.90	22.67	392.23	
P1-C-S	415.92	19.52	396.40	
P1-C-M	415.94	22.89	393.05	
P1-C-D	415.97	22.92	393.05	
P2-A-S	410.87	18.72	392.15	
P2-A-M	410.57	18.48	392.09	
P2-A-D	410.90	18.80	392.10	
P2-B-S	407.52	dry	NA	
P2-B-M	407.44	13.92	393.52	
P2-B-D	407.60	14.09	393.51	
P2-C-S	409.26	12.68	396.58	
P2-C-M	409.10	14.96	394.14	
P2-C-D	409.48	15.31	394.17	
P3-A-S	411.81	dry	NA	
P3-A-M	411.68	18.99	392.69	
P3-A-D	411.85	19.16	392.69	
P3-B-S	410.11	15.91	394.20	
P3-B-M	409.81	15.31	394.50	
P3-B-D	410.15	16.64	393.51	
P3-C-S	412.01	17.25	394.76	
P3-C-M	412.08	17.38	394.70	
P3-C-D	412.16	17.42	394.74	
EE-20	411.09	17.85	393.24	
EEG-108	406.92	12.78	394.14	
EE-04	412.96	NR	NA	no access
EE-01	408.42	15.06	393.36	
EE-03	411.17	17.33	393.84	
EE-05	410.87	18.43	392.44	bent

Table 6 *Ground Water Elevation Data (1Q00) - Solutia - Sauget Area 1*

Piezometer/Well	TOC Elev.	GW Depth below TOC 1Q00	GW Elev. 1Q00	Notes
EEG-101	412.04	19.35	392.69	
EEG-102	408.82	15.41	393.41	
EEG-104	409.26	15.82	393.44	
EEG-106	407.64	14.36	393.28	
EEG-107	410.18	17.16	393.02	
EEG-109	409.44	15.91	393.53	bent
EEG-110	408.72	15.24	393.48	
EEG-112	407.60	14.87	392.73	
EE-11	408.69	15.60	393.09	
EE-14	409.95	NR	NA	bent

Notes:
1Q00 = first quarter 2000
TOC = top of casing
NR = not recorded
NA = not applicable
Source: O'Brien & Gere Engineers, Inc.

Table 7 *Ground Water Elevation Data (2Q00) - Solutia - Sauget Area 1*

Piezometer/Well	TOC Elev.	GW Depth below TOC 2Q00	GW Elev. 2Q00	Notes
P1-A-S	416.69	19.9	396.79	
P1-A-M	416.70	23.85	392.85	
P1-A-D	416.65	23.85	392.80	
P1-B-S	414.83	20.1	394.73	
P1-B-M	414.97	21.25	393.72	
P1-B-D	414.90	21.2	393.70	
P1-C-S	415.92	dry	NA	
P1-C-M	415.94	21.65	394.29	
P1-C-D	415.97	21.75	394.22	
P2-A-S	410.87	17.4	393.47	
P2-A-M	410.57	17	393.57	
P2-A-D	410.90	NR	NA	
P2-B-S	407.52	dry	NA	
P2-B-M	407.44	12.8	394.64	
P2-B-D	407.60	13	394.60	
P2-C-S	409.26	7.45	401.81	
P2-C-M	409.10	13.9	395.20	
P2-C-D	409.48	14.25	395.23	
P3-A-S	411.81	dry	NA	
P3-A-M	411.68	18	393.68	
P3-A-D	411.85	18.1	393.75	
P3-B-S	410.11	15.7	394.41	
P3-B-M	409.81	15.4	394.41	
P3-B-D	410.15	15.75	394.40	
P3-C-S	412.01	15.3	396.71	
P3-C-M	412.08	16.5	395.58	
P3-C-D	412.16	16.65	395.51	
ST-N-S	404.30	9.1	395.20	
ST-N-M	404.07	9.5	394.57	
ST-N-D	403.90	8.5	395.40	
ST-I-S	409.19	14.75	394.44	
ST-I-M	408.96	14.5	394.46	
ST-I-D	408.84	14.35	394.49	
ST-H-S	404.67	9.35	395.32	
ST-H-M	404.25	8.95	395.30	
ST-H-D	404.71	9.35	395.36	

Table 7 *Ground Water Elevation Data (2Q00) - Solutia - Sauget Area 1*

Piezometer/Well	TOC Elev.	GW Depth below TOC 2Q00	GW Elev. 2Q00	Notes
ST-G-S	406.61	12.8	393.81	
ST-G-M	405.93	13	392.93	
ST-G-D	406.27	13	393.27	
BR-G	410.61	17	393.61	
BR-H	410.27	15.6	394.67	
BR-I	411.15	37.9	373.25	
EE-20	411.09	16.9	394.19	
EEG-108	406.92	11.15	395.77	
EE-04	412.96	NR	NA	no access
EE-01	408.42	13.85	394.57	
EE-03	411.17	16.1	395.07	
EE-05	410.87	17	393.87	
EEG-101	412.04	18	394.04	
EEG-102	408.82	13.7	395.12	
EEG-104	409.26	14.50	394.76	
EEG-106	407.64	13	394.64	
EEG-107	410.18	15	395.18	
EEG-109	409.44	14.75	394.69	bent
EEG-110	408.72	14.1	394.62	
EEG-112	407.60	13.2	394.40	
EE-11	408.69	18.00	390.69	
EE-14	409.95	16.7	NA	bent

Notes:
2Q00 = second quarter 2000
TOC = top of casing
NR = not recorded
NA = not applicable
Source: O'Brien & Gere Engineers, Inc.

Table 8 *Top of Casing and Approximate Grade Elevations - Solutia - Sauget Area 1*

Piezometer	TOC Elev.	Approx. Grade Elev.	Well	TOC Elev.	Approx. Grade Elev.	Piezometer	TOC Elev.
P1-A-S	416.69	416.3	EE-20	411.09	409.5	ST-G-S	406.61
P1-A-M	416.70	416.3	EEG-108	406.92		ST-G-M	405.93
P1-A-D	416.65	416.3	EE-04	412.96		ST-G-D	406.27
P1-B-S	414.83	411.4				ST-H-S	404.67
P1-B-M	414.97	411.4	EE-01	408.42		ST-H-M	404.25
P1-B-D	414.90	411.4				ST-H-D	404.71
			EE-03	411.17			
P1-C-S	415.92	413.9				ST-I-S	409.19
P1-C-M	415.94	413.9	EE-05	410.87		ST-I-M	408.96
P1-C-D	415.97	413.9				ST-I-D	408.84
			EEG-101	412.04			
P2-A-S	410.87	408.2				ST-L-S	411.23
P2-A-M	410.57	408.2	EEG-102	408.82		ST-L-M	409.78
P2-A-D	410.90	408.2				ST-L-D	410.70
			EEG-104	409.26	408.2		
P2-B-S	407.52	404.7				ST-N-S	404.30
P2-B-M	407.44	404.7	EEG-106	407.64		ST-N-M	404.07
P2-B-D	407.60	404.7				ST-N-D	403.90
			EEG-107	410.18			
P2-C-S	409.26	406.3					
P2-C-M	409.10	406.3	EEG-109	409.44			
P2-C-D	409.48	406.3					
			EEG-110	408.72	407.0		
P3-A-S	411.81	409.2					
P3-A-M	411.68	409.2	EEG-112	407.60	406.2		
P3-A-D	411.85	409.2					
			EE-11	408.69			
P3-B-S	410.11	406.7					
P3-B-M	409.81	406.7	EE-14	409.95	409.0		
P3-B-D	410.15	406.7	NOTE: TOP OF BENT PROTECTIVE CASING is 410.56				
P3-C-S	412.01		LEACH-I	411.74			
P3-C-M	412.08		LEACH-G	409.76			
P3-C-D	412.16						
			BR-G	410.61			
			BR-H	410.27			
			BR-I	411.15			

Notes:
TOC = top of casing
Source: O'Brien & Gere Engineers, Inc.

Table 9 *Piezometer and Well Information - Solutia - Sauget Area 1*

Piezometer/Well	Stick-up	Flush	Location
P3-A-S	X		E of Rt3, off Pitzman Sch parking lot
P3-A-M	X		E of Rt3, off Pitzman Sch parking lot
P3-A-D	X		E of Rt3, off Pitzman Sch parking lot
P3-B-S	X		E of P3-A, E of field near creek
P3-B-M	X		E of P3-A, E of field near creek
P3-B-D	X		E of P3-A, E of field near creek
P3-C-S	X		W of Falling Spr, inside fence on Site N property
P3-C-M	X		W of Falling Spr, inside fence on Site N property
P3-C-D	X		W of Falling Spr, inside fence on Site N property
ST-N-S		X	W of long metal bldg on Site N property
ST-N-M		X	W of long metal bldg on Site N property
ST-N-D		X	W of long metal bldg on Site N property
P2-B-S	X		N of Judith Ln in field, W of creek
P2-B-M	X		N of Judith Ln in field, W of creek
P2-B-D	X		N of Judith Ln in field, W of creek
EEG-104	X		N of Judith Ln in field, S of Site G
P2-A-S	X		E of Rt3, in field by Korner Kafe/Moto Mart
P2-A-M	X		E of Rt3, in field by Korner Kafe/Moto Mart
P2-A-D	X		E of Rt3, in field by Korner Kafe/Moto Mart
ST-I-S		X	S of K9 course, E of Cerro, in grassy area
ST-I-M		X	S of K9 course, E of Cerro, in grassy area
ST-I-D		X	S of K9 course, E of Cerro, in grassy area
EE-20	X		S of K9 course, E of Cerro, in grassy area
ST-H-S		X	off Keeley Constr parking to S, low area by road
ST-H-M		X	off Keeley Constr parking to S, low area by road
ST-H-D		X	off Keeley Constr parking to S, low area by road
P2-C-S	X		off Keeley Constr parking to SW
P2-C-M	X		off Keeley Constr parking to SW
P2-C-D	X		off Keeley Constr parking to SW
EEG-108	X		off Keeley Constr parking to SW
EE-04	X		off Roger's Cartage parking to the NW
EE-03	X		Site H toward Keeley Constr
BR-H	X		Site H E/NE of mini-storage
EE-01	X		Site H toward Metro Constr
EEG-110	X		W of Metro Constr bldg, near creek fence
EEG-109	X		SW side of Site L, near creek, N of field

Table 9 *Piezometer and Well Information - Solutia - Sauget Area 1*

Piezometer/Well	Stick-up	Flush	Location
EEG-106	X		NE part of Site G, by gate
LEACH-G	X		mid-east Site G
EEG-102	X		SE part of Site G fenced area
BR-G	X		mid-south Site G in gravel area, near EEG-107
EEG-107	X		mid-south Site G near bedrock well
EEG-101	X		SW part of Site G fenced area
EE-11	X		mid-N Site G
EE-05	X		just W of Site G fence on Wiese
ST-G-S		X	SW of Wiese in field, E of Rt3, NE of Moto
ST-G-M		X	SW of Wiese in field, E of Rt3, NE of Moto
ST-G-D		X	SW of Wiese in field, E of Rt3, NE of Moto
P1-A-S		X	NW side of Cerro Copper
P1-A-M		X	NW side of Cerro Copper
P1-A-D		X	NW side of Cerro Copper
P1-B-S	X		mid-N side of Cerro Copper, N of paved drive
P1-B-M	X		mid-N side of Cerro Copper, N of paved drive
P1-B-D	X		mid-N side of Cerro Copper, N of paved drive
P1-C-S	X		NE side of Cerro Copper, in truck parking
P1-C-M	X		NE side of Cerro Copper, in truck parking
P1-C-D	X		NE side of Cerro Copper, in truck parking
BR-I	X		N of main drive in Cerro, near RR and trucks
EE-14	X		N of main drive in Cerro, btwn RR and trucks
LEACH-I	X		S of main drive in Cerro, E of metal shed
EEG-112	X		mid-S Cerro, S of paved drive, N of Queeny
ST-L-S	Removed		S of Site L in field
ST-L-M	Removed		S of Site L in field
ST-L-D	Removed		S of Site L in field

Source: O'Brien & Gere Engineers, Inc.

3.6.4. Local Uses of Ground Water

Domestic wells identified by Ecology and Environment are summarized below:

Owner	Street Address	Water Use	Depth
Allen	101 Walnut Street	Greenhouse	17'
Ballet	3300 Falling Springs Road	Residential	20'
Wright	100 Judith Lane	Residential	---
Settles	102 Judith Lane	Residential	---
Schmidt	104 Judith Lane	Residential	49'
McDonald	109 Judith Lane	Residential	---
Lyerla	118 Edwards Street	Residential	---
Hayes	22 Cahokia Street	Residential	---
Baumeyer	24 Cahokia Street	Residential	---

It is important to note that Cahokia and Sauget are served by a public water supply and that these and other homes in the area are served by a municipal water supply system.

Sampling of domestic wells is described in Section 3.13.

3.6.5. Horizontal and Vertical Distribution of COCs

Ecology and Environment (1998) defined the areal extent of VOCs and SVOCs in shallow ground water at Sites G, H, I, and L. These plumes have migrated several hundred feet downgradient from disposal sites that were used from the 1930s to the 1970s. Plume shape indicates VOC and SVOC migration toward the Mississippi River, which is the discharge point for the American Bottoms aquifer. Ecology and Environment did not collect information on COC distribution in the intermediate and deep portions of the aquifer.

Aquifer saturated thickness in the study area is on the order of 80 to 100 feet, perhaps more. A vertical ground water sampling interval of 20 feet would result in four to five ground water samples per sampling station. A vertical sampling interval of five feet would result in 16 to 20 samples per sampling station. Since the fill areas are 30 to more than 50 years old, the aquifer is thick, highly permeable, and homogeneous, and experience with similar hydrogeologic conditions indicates that leachate migration from these areas should produce plumes with a vertical dimension of more than five feet. Under these conditions, plumes are likely to have a vertical dimension of at least 20 feet thick, if not more. For this reason, a vertical sampling interval of 20 feet was considered appropriate. However, in order to address USEPA Region V concerns about adequate characterization of the plumes, vertical ground water samples were collected every 10 feet. This sampling is described in Sections 3.8 and 3.9.

Section 3.7

3.7. Fill Areas Ground Water Sampling

3.7.1. Rationale/Design

As directed by USEPA Region V in its March 19, 1999 comments on the SSP, ground water concentrations at the source areas were evaluated by sampling existing Ecology and Environment Wells (Appendix B of the SSP) EE-01, EE-02, EE-03, EE-04, EE-05, EE-12, EE-13, EE-14, EE-15, EE-20, EEG-101, EEG-102, EEG-103, EEG-104, EEG-105, EEG-106, EEG-107, EEG-108, EEG-109, EEG-110, EEG-111, and EEG-112. Each well was located, checked for integrity of surface seals, checked for nonaqueous-phase liquid (NAPL), plumbed for depth and matched against construction records, redeveloped to remove accumulated fine-grained materials and promote ground water entry into the well, and sampled to provide data on current ground water conditions at the source areas. At wells that no longer exist (marked with * below) or cannot be sampled (marked with ** below), eight ground water samples were collected at the depth of the former screened interval using push sampling technologies such as Geoprobe™, HydroPunch™, MicroWell™, Waterloo Profiler™, or equivalent sampling technology and low-flow sampling techniques. The change order describing the collection of these eight samples is presented in Section 3.7.4.1.

The location and purpose of sampling these wells are summarized below:

Site	Source Area or Downgradient Well	Shallow Ground Water Background Well	Screen Depth (Feet Below Ground Surface)
G	EE-05		18-23
	EEG-101		18-23
	EEG-102		16.5-21.5
	EEG-104		19-24
	EEG-106		18-23
	EEG-107		23-28
	EEG-112		21-26
H	EE-01		28-33
	EE-02**		18-23
	EE-03		27-32
		EE-04	18-23
	EEG-110		18-23

Site	Source Area or Downgradient Well	Shallow Ground Water Background Well	Screen Depth (Feet Below Ground Surface)
I	EE-12*		28-33
	EE-13*		23-29
	EE-14**		32.5-37.5
	EE-15*		24-29
		EE-20	23-28
L	EEG-103**		16.5-21.5
	EEG-105*		No construction log
	EEG-109		17.5-22.55
South of G	EEG-111*		No construction log
		EEG-108	24-29

Background (upgradient) ground water samples were also obtained from the middle and bottom of the aquifer at the location of existing Wells EE-04, EE-20, and EEG-108 as described in Section 3.16.

Number of Ground Water Samples 19

Analyses:

Cyanide	USEPA Method 9010B
Dioxin	USEPA Method 8290
Herbicides	USEPA Method 8151A
Mercury	USEPA Method 7470A
Metals	USEPA Method 6010B
PCBs	USEPA Method 680
Pesticides	USEPA Method 8081A
SVOCs	USEPA Method 8270C
VOCs	USEPA Method 8260B

Sampling these wells provides more information than is needed to evaluate current conditions at the source areas or to provide information for the HHRA. Collecting samples in the core of the plumes at Sites G, H, I, and L using existing Wells EEG-107, EE-02, EE-14, and EEG-109 will provide adequate information for characterizing conditions at the source areas.

3.7.2. QA/QC Samples

QA/QC samples consisted of the following:

- one duplicate per 10, or fraction of 10, environmental samples collected

- one MS/MSD per 20, or fraction of 20, environmental samples collected or one MS/MSD every three working days, whichever was sooner

- one equipment blank (or field blank) per 10, or fraction of 10, environmental samples collected unless dedicated or disposable sampling equipment was used to collect samples

- one trip blank per sample cooler containing environmental samples for VOC analysis that was shipped.

QA/QC samples were submitted for analysis and analyzed for the same parameters as the investigative samples, as applicable. Duplicate samples were collected to measure consistency of field sampling technique. MS/MSD samples were collected to measure laboratory QC procedures. Equipment blanks were collected to measure the effectiveness of field decontamination procedures. Trip blanks were submitted to indicate cross-contamination of VOCs during shipment.

3.7.3. Field Procedures

Prior to performing field work, a Preparatory Inspection Meeting attended by a representative of each of the interested parties was held (Section 3.7.4.2). This section describes the following field procedures:

- ground water monitoring well redevelopment
- pre-sampling procedures
- water level measurements
- record keeping
- well purging
- sampling procedure
- sampling equipment decontamination
- sample control and chain of custody
- purge water
- disposal of IDW.

Ground Water Monitoring Well Redevelopment (If Required) – The objective of ground water monitoring well redevelopment was to clear the well of accumulated sediments, when 10% or more of the well screen was occluded by sediment so that representative ground water samples were collected. The accumulated sediments needed to be resuspended in the water column in order to be removed. A variety of techniques can be used to resuspend the sediments. Some of the common methods that can be used to resuspend sediments include using a surge block, injection of air into the water column of the well, or using a bailer. Once the sediment is resuspended, the water and sediment can then be removed from the well using a submersible pump, a peristaltic pump, or a bailer. Redevelopment was considered to be complete when the fine-grained materials were removed.

For the existing ground water monitoring wells sampled for this project, the preferred method for redevelopment was to use a surge block to resuspend the sediments and a submersible pump to remove the water and suspended sediments. The following procedures were used when redeveloping an existing well.

- Place a clean, plastic drop cloth on the ground around the well to be redeveloped.
- Unlock the protective well cover and remove the well cap.
- Check the well for NAPL using an interface probe, as outlined in the water level measurement section below.
- Measure the depth to ground water and/or NAPL to the nearest hundredth of a foot.
- Measure the total depth of the well to the nearest hundredth of a foot. Note whether the bottom of the well feels hard or soft.
- Compare the total measured depth of the well to the record installed depth of the well, if available.
- If the comparison shows greater than 10% occlusion of the well screen, proceed with redevelopment. For wells that have no recorded installed depth and have a soft bottom, assume redevelopment will be required.
- Attach the decontaminated surge block to the appropriate lengths of pole section and push the surge block to the bottom of the well.
- Pull and push the surge block up and down to agitate the water and suspend the sediments in the well.
- Once sufficient resuspension has occurred, pull the surge block out of the well.
- Attach an appropriate length of polyethylene tubing to the pump and lower the intake to near the bottom of the well, out of sediment that may be remaining in the bottom of the well.
- Place the discharge end of the tubing such that purged water will be collected to a 55-gallon drum.

- Turn on the pump and adjust the flow rate to pump at a sufficiently high rate to allow the sediments to be removed without causing the pump to clog.

- Continue pumping until relatively sediment-free water is obtained, based on visual observation.

- Remove the pump and allow the well to recover. Remeasure the total well depth. If the measured depth indicates 10% or more occlusion, repeat the resuspension and purging steps. If the measured depth indicates less than 10% well screen occlusion, disconnect the tubing from the pump and place into the appropriate waste container. Dismantle the surge block and pole connectors for decontamination. Close and lock the protective casing, and pick up and appropriately dispose of plastic sheeting and other disposables into the appropriate waste container. Close and properly label the 55-gallon drum(s).

- Decontaminate the pump, wiring, and surge block system using the procedures described below.

- Note in the field log book the approximate number of gallons of water removed during redevelopment of each well.

Pre-Sampling Procedures – As part of a sampling event, the following steps were initially taken by personnel responsible for sampling:

- Obtain appropriate containers for sample collection from the laboratory performing the analyses.

- Examine sampler, containers, and preservatives; contact laboratory immediately if problems are found.

- Confirm sample delivery time and method of sample shipment with the laboratory.

- Assemble and inspect field equipment to be used for sample collection; verify that equipment is clean and in proper working order.

- Calibrate field instruments and/or meters according to manufacturers' specifications and known calibration standards. Recheck calibration prior to the start of each day. Calibration activities were recorded on the equipment calibration log (Appendix F), ground water sampling log (Section 3.7.4.3), or in the field notebook.

- Establish well location and well identification.

- Obtain necessary keys for wells or gates.

- As feasible, begin sampling procedures at monitoring wells that are least impacted and proceed to those that historically have been impacted. A review of previous analytical data was completed prior to sampling.

- Examine each well for damage, tampering, erosion around the well casing, etc. and note on respective field log sheet.

- Place clean plastic sheeting around well to provide a barrier between the surrounding ground surface and sampling equipment used.

- Put on a new pair of disposable gloves.

- Open well cap and make a visual check down the casing and note the condition of the well casing. Note on respective field log sheet.

- Perform ambient air monitoring for hazardous conditions upon opening the well using a PID and a four-gas meter. Record readings in the field notebook.

Water Level Measurements – Prior to initiating ground water sampling, water elevations were measured in each of the wells on site. Ground water level measurements were collected as follows:

- Use a pre-cleaned, electric water level or NAPL interface probe to measure the depth to water from the top-of-casing reference point and/or to check for NAPLs in the water column, where applicable. Record the depth of water and/or NAPLs, as applicable, and measure the depth of the well. Measurements were made to the nearest 0.01 foot.

- Decontaminate the water level and NAPL interface probe used in the well by thoroughly scrubbing with an Alconox® and potable water wash. Rinse with potable water, and then rinse twice with distilled water.

Record Keeping – In connection with the well purging and sampling process, the following information was recorded in a field notebook (Appendix D) or on the ground water sampling logs (Section 3.7.4.3):

- well number

- day, date, and time

- weather conditions

- condition of the well and the surrounding area

- sampling team members

- instrument calibration information (if not recorded on the equipment calibration log)
- water level prior to purging
- depth to the bottom of the well
- volume of water to be purged
- physical properties of evacuated water: color, odor, turbidity, presence of NAPLs
- deviations from planned sampling methodology
- ambient air monitoring readings.

Well Purging – Prior to sampling, the wells were purged to remove the standing water column from the well casing. A well volume of water is calculated using the following formula: $V = \Pi r^2 h(7.48)$ where

V = Standing water volume in gallons to be purged

r^2 = inside radius of well in feet, squared

h = Linear feet of standing water in the casing

7.48 = Conversion from cubic feet to gallons.

One well volume was calculated so field personnel knew when to perform field measurements. Such measurements were generally performed after the removal of each well volume.

In ground water systems, naturally occurring metals tend to adsorb to the surfaces of solids. The level of adsorbance depends on the pH of the soil and water. The concentration of metals in dissolved form, therefore, is limited by this adsorption and by the metals' low solubility. Sediment in water is likely to have metal ions adsorbed to its particles, which analytical methods may not be able to differentiate from metal ions dissolved in the water. Ground water samples that contain sediment, therefore, may yield analytical results that do not represent the concentration of metals in the ground water itself.

Moreover, the transport of sediment is generally not due to the natural flow of ground water, but is induced by the sampling. Samples that are collected to be analyzed for metals should exhibit low turbidity, and they are generally filtered, therefore, to remove sediment. When possible, low-turbidity samples should be obtained without filtering.

A turbidity meter was used to monitor turbidity during sampling. Following the extraction of each well volume, turbidity was monitoring

in the field. Additionally, pH, conductivity, and temperature were measured and recorded after each well volume removed. Samples were collected when turbidity levels were below five nephelometric turbidity units (NTU). When the turbidity level of five NTU was unachievable after two hours of purging, the samples were collected and the turbidity recorded. A low-flow peristaltic pump was used for purging and ground water sampling.

The procedures for well purging are described as follows:

- Prepare the pump for operation. Follow the manufacturer's directions.

- Lower the pump intake to the screened zone of the well.

- Pump the ground water into a graduated pail. Continue pumping until the turbidity reading is at or below five NTU or the well is pumped dry. Lower the pump's intake as necessary.

- If the well is pumped dry, allow sufficient time for the well to recover before proceeding. Record this information on the ground water sampling log.

- In addition to the turbidity readings, in wells which exhibit sufficient recharge, also collect pH, conductivity, and temperature measurements. Three consecutive measurements should be within the following criteria:

  ±0.25 units for pH
  ±10% for specific conductivity
  ±1° Celsius for temperature.

  Record this information on the ground water sampling log.

- Discharge the water removed during purging or possible decontamination procedures into 55-gallon drums for disposal.

Sampling Procedure – Each well was sampled according to the following procedures:

- Remove the sample containers from their transport containers, and prepare the bottles for receiving samples. Inspect labels for proper sample identification. Keep sample containers cool with their caps on until ready to receive samples.

- For purging and sampling, the pump intake was situated within the screened interval of the well to take into account past sampling activities and the fact that domestic well screens have been reported from 15 to 25 feet below ground surface. When the water level in the well dropped during pumping, the pump intake was adjusted to maintain flow.

- After purging as described above, fill sample containers for VOC samples prior to filling other sample containers.

- Fill remaining sample containers.

- If the sample containers were not filled quickly, sample containers were kept cool with the cap on until filled. Sample containers were preserved as described in the QAPP.

- Return each sample container to its proper transport container. Preserve samples by reducing the temperature within the containers to approximately 4° Celsius using ice. Samples must not be allowed to freeze.

- Begin the chain-of-custody record.

- Record the physical appearance of the ground water observed during sampling on the ground water sampling log or in the field notebook.

- Replace the well cap and lock the well protection assembly before leaving the well location.

Sampling Equipment Decontamination –

- Brush-wash reusable sampling equipment in a bucket or tub using an Alconox® or equivalent solution. Completely brush the entire exterior surface of the article undergoing decontamination. Wash interior wetted surfaces as required. Rinse the item with copious quantities of potable water, followed by a distilled water rinse.

- Rinse reusable sampling equipment used to collect environmental media for metals analysis in a dilute nitric acid solution, following by a distilled water rinse.

- Air-dry sampling equipment on a clean, nonplastic surface in a well-ventilated, uncontaminated environment. If the sampling device is not to be used immediately, wrap it in aluminum foil and place it in a plastic bag or storage container.

- Contain rinse waters in a plastic tub or bucket with a lid. Empty the contents at the IDW storage area.

- Dispose sample tubing after each use, and use new tubing for each location.

Sample Control and Chain of Custody –

- For proper identification in the field and proper tracking in the laboratory, samples were labeled as outlined in Section 4.1 of this report.

- Sample labels were waterproof.

- Field personnel maintained a sampling log sheet which contains sufficient information to allow reconstruction of the sample collection and handling procedures at a later time, if necessary. Copies of sample log sheets are included in the applicable sections of this report.

- Each ground water monitoring well has a corresponding sample log sheet which includes:

  - sample identification number
  - well location and number
  - date and time
  - sampler's name
  - sample type (composite or grab)
  - analysis for which sample was collected
  - field parameters, including pH, temperature, and conductivity
  - method of preservation
  - additional comments as necessary.

- Each sample has a corresponding entry on a chain-of-custody record. Field copies of the chain-of-custody records are included in the applicable sections of this report.

- Following completion of the chain-of-custody record, the samples were packaged for transport to the laboratory. The field sampler made a copy of the chain-of-custody document to keep with the field notebook and included the original chain-of-custody document in a sealed plastic bag in the sample cooler with the associated samples. Sample packaging and shipping procedures are described in Chapter 6 of this report.

Purge Water – Purge waters generated from ground water sampling activities were contained in buckets or 55-gallon drums and transported to the liquid waste disposal container.

Disposal of IDW – During the subsurface investigation, subsurface soils, ground water, decontamination water, PPE, and general waste (plastic, paper, etc.) were generated. Subsurface soils, ground water (development and purge water), and equipment decontamination water were temporarily contained in drums and transferred to waste containers. PPE was contained in plastic drums prior to disposal. General waste was contained in plastic bags and disposed in a general refuse container.

General IDW management procedures are included in Chapter 7 of this report.

3.7.4. Documentation

The change order for sampling damaged or missing wells is included in Section 3.7.4.1. Field logs are included in Record Book Nos. 2, 4, and 5 (Appendix D). Figure 1 depicts the locations of each fill area sample. Ground water sampling logs for each well are included in Section 3.7.4.3. Chain-of-custody forms for samples shipped to laboratories are included in Section 3.7.4.4.

Documentation for this task continues on the next page.

3.7.4.1. Change Orders and Deviation/Clarification Log

PROJECT CHANGE ORDER

O'BRIEN & GERE ENGINEERS, INC.
PROJECT NAME: Solutia Sauget Area 1 - Fill Area Groundwater (Redevelopment & Sampling)

CO NUMBER _____ DESCRIPTION Eight existing Fill Area ground water sample locations need to be re-established via installation of a temporary push probe to collect required samples

SUBMITTED TO	Kimberly Perry	COMPANY	Solutia Inc.
SUBMITTED BY	Alan Cook	COMPANY	O'Brien & Gere
INITIAL DATE	10/7/99	REQUIRED DATE	10/12/99
DAYS REQUESTED	3 Days	AMOUNT REQUESTED	[redacted]

CHANGE ORDER ITEMIZED DESCRIPTION

• Need to use push technology to collect ground water samples from the former screened intervals of the following wells:

	Well	Screened Interval	Middle Point of Screen
1	EE-02	18-23 feet	20.5 ft
2	EE-12	28-33 feet	30.5 ft
3	EE-13	23-29 feet	26.0 ft
4	EE-14	32.5-37.5 feet	35 ft
5	EE-15	24-29 feet	25.5 ft
6	EE6-103	16.5-21.5 feet	19 ft
	EE6-105	No Construction Log	Assume ± 20 ft
8	EE6-111	No Construction Log	Assume ± 20 ft
			196.5 ft

Task will require three (3) additional days to complete

Costs to Complete:

• Total Cost [redacted] OR [redacted] = [redacted] well location (includes all costs associated w/ OBG labor, subcontractor, OBG Direct)

Schedule to Complete:

• Harris will be available Nov 22nd, 23rd & 24th to complete task, @ the [redacted] soonest

Alan Cook / [signature] / 10/7/99
PRINTED NAME / SIGNATURE OF PREPARER / DATE

IF ADDITIONAL SPACE IS REQUIRED, RECORD ON REVERSE SIDE

PRINTED NAME / SIGNATURE OF SOLUTIA REP / DATE

C:\Sauget\OBG Forms\PCORQUST.WPD

3.7.4.2. Preparatory Inspection Meeting Form

PREPARATORY INSPECTION MEETING

Conducted by/Company: Alan J Cook / O'Brien & Gere **Date:** 10/4/99
Project Name: Solutia Sauget Area 1 **Task:** 5.7 Fill Area GW Sampling

1. Scheduled Work:

2. Equipment, Procedures, Personnel:

3. Ref. To App. Sec. of FSP/HASP:

4. Issues that could arise and how to resolve:

5. Solutia comments:

6. EPA comments: ~ Start @ Site G

1) • Collect samples from existing groundwater monitoring wells that are intact. These are as follows based upon locating activities to date EEG-101, EEG-102, EEG-104, EEG-106, EEG-107, EEG-112, EE-[illegible] EE-03, EEG-110, EE-20, EEG-109, EEG-108, EEG-111 ?
• Redevelop wells to remove accumulated fine-grained materials
• Plumb depth of wells & compare to construction records when available
• Check well for NAPL
2) Peristaltic Pump, tubing, turbidity meter, pH-temp-conductivity meter, PID Field Procedures outlined in Section 5.7.3 of FSP Sample contain[illegible]
3) FSP Section 5.7 HASP Section 2.5, Based upon PID readings in the breathing zone the week of 9/27 Mod Level D will initially be used when sampling wells
4) While purging well, VOCs in breathing zone may occur, if so, PPE will be upgraded to Level C for well samplers
5) Use PID when purging to see if VOCs in Breathing Zone
6) None

ATTENDANCE:

EMPLOYEE NAME (print)	EMPLOYEE SIGNATURE	COMPANY
Alan J Cook	[illegible]	OBG
David Dodge	[illegible]	OBG
Adam J. Kaiser	[illegible]	OBG
Gilbert Perry	[illegible]	Solutia
[illegible]	[illegible]	[illegible]

IF ADDITONAL SPACE IS REQUIRED, RECORD ON REVERSE SIDE

Alan J Cook / [illegible]
PRINTED NAME/ SIGNATURE OF PREPARE

10/4/99
DATE

Given to Weston @ 0700 on 10/5/99

3.7.4.3. Ground Water Sample Logs

O'BRIEN & GERE ENGINEERS, INC. — Ground Water Sampling Log

10/7/99

Name: SOLUTIA SITE 6
Site Location: SAUGET, IL
Personnel: JM JUDGE / AJ KA

Weather: SUNNY 55°
Well Number: EEC-106
Project Number: 23548
Evacuation Method: PARASITIC PUMP
PID 0.0 PPM

Depth of Well * 21.35 ft. - 1.90 = 19.45
Depth to Water * 10.38 ft. - 1.90 = 8.48
Length of Water Column 10.97 ft.
Volume of Water in Well 1.79 gal.(s)
3X Volume of Water in Well 5.36 gal.(s)

Water Volume /ft. for:
2" Diameter Well = 0.163 X LWC
4" Diameter Well = 0.653 X LWC
6" Diameter Well = 1.469 X LWC

Volume removed before sampling 5.36 gal.(s)
Did well go dry? Yes ____ No ____

*Measurements taken from [✓] Top of Well Casing [ ] Top of Protective Casing [ ] (Other, Specify)

Water parameters:

TOC

Temperature Reading			pH Reading			Conductivity Reading		
			4.0 Standard	4.0		84 S Standard		
			7.0 Standard	7.0		1413 S Standard		
			10.0 Standard	—				
		initial	initial	6.67		initial		2240
53.4	after 1.79 (gal.)	57.1	after 1.79 (gal.)	6.59		after 1.79 (gal.)		~~[illegible]~~
6.95	after 3.58 (gal.)	56.9	after 3.58 (gal.)	6.75		after 3.58 (gal.)		2300
2.65	after 5.36 (gal.)	59.4	after 5.36 (gal.)	6.71		after 5.36 (gal.)		2,380
	after ____ (gal.)	64.1	after ____ (gal.)			after ____ (gal.)		
	after ____ (gal.)		after ____ (gal.)			after ____ (gal.)		

Water Sample:
Time Collected: 13:24

Physical Appearance at Start		Physical Appearance at Sampling	
Color	CLEAR	Color	CLEAR
Odor	NONE	Odor	NONE
Turbidity (> 100 NTUs)	35	Turbidity (> 100 NTU's)	2.65
Sheen/Free Product	NONE	Sheen/Free Product	NONE

Sample Parameters: VOCs (8260B) SVOCs (8270C) METALS (6010B/7470A) CYANIDE (9010B) PCBS-680, PEST/HERBS (8081A/8151A) DIOXIN (8290)

Container Size	Container Type	# Collected	Filtered	Preservative	pH	Temp.	Conductivity
40 ML	W/TEF CAP	3	N	HCL	6.71	64.1	2380
1 L AMBER	"	2	N	—	"	"	"
500 250 ML	POLY	1	N	HNO3	"	"	"
500 250 ML	POLY	1	N	NaOH	"	"	"
1 L	AMBER GLASS	2	N	—	"	"	"
1 L	AMBER	4	N	—	"	"	"
1 L	AMBER	2	N	—	"	"	"
250 ml	POLY	1	N	HNO3	"	"	"

Monitoring Well Integrity Checklist:

Well identification number clearly marked? ..... Yes ____ No ✓
Well covers and locks in good condition and secure? ..... Yes ✓ No ____
Is the well stand pipe vertically aligned and secure? ..... Yes ✓ No ____
Is the concrete pad and surface seal in good condition? NONE ..... Yes ____ No ✓
Are soils surrounding the well pad eroded? ..... Yes ____ No ____
Is the PVC well casing in good condition? STEEL ..... Yes ✓ No ____
Is there standing water in the annular space between the well stand pipe and PVC casing? ..... Yes ____ No ✓
Is the stand pipe vented at the base to provide drainage? ..... Yes ____ No ✓
Does the total depth of the well sounded correspond with original well completion depths? ..... Yes ✓ No ____

NOTES: Top of casing elevation: ____
Depth to Ground Water: 8.84 (365)
Ground Water Elevation: ____

O'BRIEN & GERE ENGINEERS, INC. — Ground Water Sampling Log

e: 10/7/99
e Name: SOLUTIA INC
Site Location: SAUGET Area
Personnel: JM JUDGE / HJ KAISER

Weather: SUNNY 70 °F
Well Number: EEG-102
Project Number: 23548
Evacuation Method: PERISTALTIC PUMP

PID 0.0 PPM

Depth of Well * 22.50 ft. -1.05=21.45
Depth to Water * 11.46 ft. -1.05=10.41
Length of Water Column 11.04 ft.
Volume of Water in Well 1.80 gal.(s)
3X Volume of Water in Well 5.40 gal.(s)

Water Volume/ft. for:
2" Diameter Well = 0.163 X LWC
4" Diameter Well = 0.653 X LWC
6" Diameter Well = 1.469 X LWC

Volume removed before sampling 5.40 gal.(s)
Did well go dry? Yes ____ No ✓

*Measurements taken from [X] Top of Well Casing [ ] Top of Protective Casing [ ] (Other, Specify)

Water parameters:

TORB

Temperature Reading			pH Reading			Conductivity Reading		
			4.0 Standard	✓		84 S Standard		
			7.0 Standard	✓		1413 S Standard	✓	
			10.0 Standard					
71.8	initial	79.1	initial	6.75		initial	~~[illegible]~~	4900
146.5	after 1.80 (gal.)	80.5	after 1.80 (gal.)	6.76		after 1.8 (gal.)		6900
[illegible]	after 3.60 (gal.)	74.9	after 3.60 (gal.)	7.06		after 3.60 (gal.)		7000
[illegible]	after 5.40 (gal.)	77.3	after ~~[illegible]~~ (gal.)	7.07		after 5.40 (gal.)		7100
290	after ____ (gal.)		after ____ (gal.)			after ____ (gal.)		
	after ____ (gal.)		after ____ (gal.)			after ____ (gal.)		

Water Sample:
Time Collected: 10:10 AM

Physical Appearance at Start		Physical Appearance at Sampling	
Color	ROST	Color	CLEAR
Odor	NONE	Odor	NONE
Turbidity (> 100 NTUs)	71.8	Turbidity (> 100 NTU's)	290
Sheen/Free Product	NONE	Sheen/Free Product	NONE

Sample Parameters: VOCs (8260B) SVOCs (8270C) METALS (6010B/7470A) CYANIDE (9010B) PCBs 680, PESF/HERBS (8081A/8151A) DIOXIN (8290)

Container Size	Container Type	# Collected	Filtered	Preservative	pH	Temp.	Conductivity
40 ML	W/TEF CAP	3	N	HCL	7.07	77.3	7100
1 L	" AMBER	2	N		"	"	"
500	POLY	1	N	HNO3	"	"	"
500	POLY	1	N	NAOH	"	"	"
1 L	AMBER	2	N	—	"	"	"
1 L	" "	4	N	—	"	"	"
1 L	" "	2	N	—	"	"	"
250 ml	Poly	1	N	HNO3	"	"	"

Monitoring Well Integrity Checklist:

Well identification number clearly marked? ..... Yes ✓ No ✓
Well covers and locks in good condition and secure? ..... Yes ✓ No ____
Is the well stand pipe vertically aligned and secure? ..... Yes ✓ No ____
Is the concrete pad and surface seal in good condition? ..... Yes ✓ No ✓
Are soils surrounding the well pad eroded? ..... Yes ✓ No ✓
Is the PVC well casing in good condition? — STEEL ..... Yes ✓ No ____
Is there standing water in the annular space between the well stand pipe and PVC casing? ..... Yes ____ No ✓
the stand pipe vented at the base to provide drainage? ..... Yes ____ No ____
Does the total depth of the well sounded correspond with original well completion depths? ..... Yes ____ No ____

NOTES: Top of casing elevation: ____
Depth to Ground Water: ____
Ground Water Elevation: ____

O'BRIEN & GERE ENGINEERS, INC. — Ground Water Sampling Log

ate: 10/7/99
Site Name: SOLUTIA
Site Location: SITE 6
Personnel: JM JUDGE / AJ FASER

Weather: SUNNY 80°
Well Number: EEG-107
Project Number: 23548
Evacuation Method: PARASTALTIC PUMP

PID 0.0 PPM

Depth of Well * 32.10 ft. -3.73 = 28.37
Depth to Water * 13.01 ft. -3.73 = 9.28
Length of Water Column 19.01 ft.
Volume of Water in Well 3.11 gal.(s)
3X Volume of Water in Well 9.3 gal.(s)

Water Volume /ft. for:
2" Diameter Well = 0.163 X LWC
4" Diameter Well = 0.653 X LWC
6" Diameter Well = 1.469 X LWC

Volume removed before sampling 9.3 gal.(s)
Did well go dry? Yes ___ No ✓

*Measurements taken from ✓ Top of Well Casing ___ Top of Protective Casing ___ (Other, Specify)

Water parameters:

Temperature Reading			pH Reading			Conductivity Reading		
			4.0 Standard	✓		84 S Standard		
			7.0 Standard	✓		1413 S Standard		✓
			10.0 Standard					
	initial	91.8	initial	6.48		initial		28,300
after 3.11 (gal.)		28.2	after 3.11 (gal.)	6.15		after 3.11 (gal.)		3,140
after 6.22 (gal.)		72.6	after 6.22 (gal.)	6.10		after 6.22 (gal.)		3,000
after 9.33 (gal.)		67.5	after 9.33 (gal.)	6.13		after 9.33 (gal.)		[illegible]
after ___ (gal.)			after ___ (gal.)			after ___ (gal.)		2680
after ___ (gal.)			after ___ (gal.)			after ___ (gal.)		

TURB 219.0 112.4 6.53 3.96

Water Sample:
Time Collected: 6:00 PM — CHEMICAL DISCOLORATION HIGH TURB AFTER LONG PURGING

Physical Appearance at Start
Color: BROWN/BLACK
Odor: PETO ODOR
Turbidity (> 100 NTUs): 219.0
Sheen/Free Product: SHEEN

Physical Appearance at Sampling
Color: YELLOW
Odor: PETO ODOR
Turbidity (> 100 NTU's): 3.96
Sheen/Free Product: WAXY

Sample Parameters: VOCs (8260B) SVOCs (8270C) METALS (6010B/7470A) CYANIDE/9010B PCBs - 680 PEST/HERBS (8081A/8151A) DIOXIN (8290)

Container Size	Container Type	# Collected	Filtered	Preservative	pH	Temp.	Conductivity
40 ML	GLASS	3	N	HCL	6.13	67.5	2680
1 L	AMBER	2	N	—			
500 ML	POLY	1	N	HNO3			
500 ML	POLY	1	N	NaOH			
1 L	AMBER	2	N	—			
1 L	AMBER	4	N	—			
1 L	AMBER	2	N	—			
250 ml	Poly	1	N	—			

Monitoring Well Integrity Checklist:

Well identification number clearly marked? ..... Yes ✓ No ✓
Well covers and locks in good condition and secure? ..... Yes ✓ No ___
Is the well stand pipe vertically aligned and secure? ..... Yes ✓ No ___
Is the concrete pad and surface seal in good condition? NONE ..... Yes ___ No ___
Are soils surrounding the well pad eroded? ..... Yes ___ No ✓
Is the PVC well casing in good condition? STEEL ..... Yes ✓ No ___
Is there standing water in the annular space between the well stand pipe and PVC casing? ..... Yes ___ No ✓
Is the stand pipe vented at the base to provide drainage? ..... Yes ___ No ✓
Does the total depth of the well sounded correspond with original well completion depths? ..... Yes ✓ No ___

NOTES: Top of casing elevation: ___
Depth to Ground Water: ___
Ground Water Elevation: ___

BUCKETS OF PURGE WATER ① 4g ② 4g

97A-3

O'BRIEN & GERE ENGINEERS, INC. — Ground Water Sampling Log

ate: 10/8/99
Site Name: SOL - 4 SITE G
Site Location: SAUGET IL
Personnel: J M JUDGE, DAREN S. THOMSON

Weather: RAIN 60°F
Well Number: EE6-101
Project Number: 23548
Evacuation Method: PERISTALTIC PUMP

PID 0.0 PPM

Depth of Well * 25.06 ft. -3.23 = 21.83
Depth to Water * 13.08 ft. -3.23 = 11.85
Length of Water Column 9.98 ft.
Volume of Water in Well 1.62 gal.(s)
3X Volume of Water in Well 4.88 gal.(s)

Water Volume /ft. for:
2" Diameter Well = 0.163 X LWC
4" Diameter Well = 0.653 X LWC
6" Diameter Well = 1.469 X LWC

8:30 -

Volume removed before sampling 5.0 gal.(s)
Did well go dry? Yes ___ No ✓

*Measurements taken from ✓ Top of Well Casing ___ Top of Protective Casing ___ (Other, Specify)

Water parameters:

Temperature Reading			pH Reading			Conductivity Reading		
			4.0 Standard		✓	84 S Standard		
			7.0 Standard		✓	1413 S Standard		✓
			10.0 Standard					
	initial	64.3	initial		7.84	initial		8170
after 1.62 (gal.)		63.8	after 1.62 (gal.)		7.40	after 1.62 (gal.)		6780
after 3.24 (gal.)		64.7	after 3.24 (gal.)		7.80	after 3.24 (gal.)		7170
after 5 (gal.)		~~64.5~~	after ___ (gal.)			after ___ (gal.)		~~7250~~
after ___ (gal.)			after ___ (gal.)			after ___ (gal.)		
after ___ (gal.)			after ___ (gal.)			after ___ (gal.)		

Water Sample:
Time Collected: 10:30

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Li Brown	Color	CLEAR
Odor	Alcohol	Odor	NONE
Turbidity (> 100 NTUs)	449,000	Turbidity (> 100 NTU's)	3.74
Sheen/Free Product	NONE	Sheen/Free Product	

Sample Parameters: VOCs (8260B) SVOCs (8270C) METALS (6010B/7470A) CYANIDE (9010B) PCBs 680, PEST (HERBS 8081A/8151A) DIOXIN (8290)

Container Size	Container Type	# Collected	Filtered	Preservative	pH	Temp.	Conductivity
40 ML	GLASS	3	N	HCL	7.2	64.5	7200
1 L	AMBER	2	N	—			
500 ML	POLY	1	N	HNO3			
500 ML	POLY	1	N	NaOH			
1 L	AMBER	2	N	—			
1 L	AMBER	4	N	—			
1 L	AMBER	2	N	—			
250 ML	Poly	1	N	HNO3			

Monitoring Well Integrity Checklist:

Well identification number clearly marked? ..... Yes ✓ No ✓
Well covers and locks in good condition and secure? ..... Yes ✓ No ___
Is the well stand pipe vertically aligned and secure? ..... Yes ✓ No ___
Is the concrete pad and surface seal in good condition? NONE Yes ___ No ___
Are soils surrounding the well pad eroded? ..... Yes ✓ No ✓
Is the PVC well casing in good condition? STEEL Yes ✓ No ✓
Is there standing water in the annular space between the well stand pipe and PVC casing? ..... Yes ___ No ✓
Is the stand pipe vented at the base to provide drainage? ..... Yes ✓ No ___
Does the total depth of the well sounded correspond with original well completion depths? ..... Yes ✓ No ___

NOTES: Top of casing elevation: ___
Depth to Ground Water: ___
Ground Water Elevation: ___

O'BRIEN & GERE ENGINEERS, INC. — Ground Water Sampling Log

Date: 10/8/99
Site Name: SOLUTIA
Site Location: SAUGET IL
Personnel: JM JODICE

Weather: Cloudy 70°F
Well Number: EEG-104
Project Number: 23548
Evacuation Method: PARASITIC PUMP

PID 0.0 PPM

Depth of Well * 25.10 ft. - 1.46 = 23.64
Depth to Water * 11.57 ft. - 1.46 = 10.11
Length of Water Column 13.53 ft.
Volume of Water in Well 2.26 gal.(s)
3X Volume of Water in Well 6.78 gal.(s)

Water Volume/ft. for:
2" Diameter Well = 0.163 X LWC
4" Diameter Well = 0.653 X LWC
6" Diameter Well = 1.469 X LWC

Volume removed before sampling 6.8 gal.(s)
Did well go dry? Yes ____ No ✓

*Measurements taken from ✓ Top of Well Casing ____ Top of Protective Casing ____ (Other, Specify)

Water parameters:

Temperature Reading			pH Reading		Conductivity Reading	
			4.0 Standard	✓	84 S Standard	
			7.0 Standard	✓	1413 S Standard	✓
TURB			10.0 Standard			
	initial	69.4	initial	8.07	initial	8,910
28.40	after 2.26 (gal.)	69.2	after 2.26 (gal.)	8.25	after 2.26 (gal.)	8870
16.30	after 4.52 (gal.)	71.6	after 4.52 (gal.)	8.36	after 4.52 (gal.)	9040
	after ____ (gal.)	70.5	after ____ (gal.)	8.250	after 6.80 (gal.)	8,700
	after ____ (gal.)		after ____ (gal.)		after ____ (gal.)	
	after ____ (gal.)		after ____ (gal.)		after ____ (gal.)	

Water Sample:
Time Collected: 15:45

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Gray	Color	Clear
Odor	None	Odor	Slight
Turbidity (> 100 NTUs)	10570	Turbidity (> 100 NTU's)	4.47
Sheen/Free Product	None	Sheen/Free Product	None

Sample Parameters: VOCs (8260B) SVOCs (8270C) METALS (8010B/7470A) CYANIDE (9010B) PCBs 680, PEST/HERBS (8081A/8151A) DIOXIN (8290

Container Size	Container Type	# Collected	Filtered	Preservative	pH	Temp.	Conductivity
40 ML	GLASS	3	N	NaCl	8.26	70.5	8700
1 L	AMBER	2	N	—			
250 & 500 ML	POLY	1	N	HNO_3			
500 ML	POLY	1	N	$NaOH$			
1 L	AMBER	2	N	—			
1 L	AMBER	4	N	—			
1 L	AMBER	2	N	—			

Monitoring Well Integrity Checklist:

Well identification number clearly marked? ..... Yes ✓ No ✓
Well covers and locks in good condition and secure? ..... Yes ✓ No ____
Is the well stand pipe vertically aligned and secure? ..... Yes ✓ No ____
Is the concrete pad and surface seal in good condition? None ..... Yes ____ No ____
Are soils surrounding the well pad eroded? ..... Yes ____ No ✓
Is the PVC well casing in good condition? Steel ..... Yes ✓ No ____
Is there standing water in the annular space between the well stand pipe and PVC casing? ..... Yes ____ No ✓
Is the stand pipe vented at the base to provide drainage? ..... Yes ____ No ✓
Does the total depth of the well sounded correspond with original well completion depths? ..... Yes ✓ No ____

NOTES: Top of casing elevation: ____
Depth to Ground Water: ____
Ground Water Elevation: ____

O'BRIEN & GERE ENGINEERS, INC. — Ground Water Sampling Log

Date: 10/8/99
Site Name: SOLOTTA 'C'
Site Location: SAUSET, IL
Personnel: JM JUDGE

Weather: Cloudy 60°F
Well Number: ~~EEG-110~~ EEG-112
Project Number: 23548
Evacuation Method: PERASTALTIC
PID 0.0 PPM

Depth of Well * 22.30 ft. - 1.21 = 21.09
Depth to Water * 10.54 ft. - 1.21 = 9.33
Length of Water Column 11.76 ft.
Volume of Water in Well 1.91 gal.(s)
3X Volume of Water in Well 5.75 gal.(s)

Water Volume /ft. for:
2" Diameter Well = 0.163 X LWC
4" Diameter Well = 0.653 X LWC
6" Diameter Well = 1.469 X LWC

Volume removed before sampling 5.75 gal.(s)
Did well go dry? Yes ____ No ✓

*Measurements taken from ✓ Top of Well Casing ____ Top of Protective Casing ____ (Other, Specify)

Water parameters:

Temperature Reading			pH Reading			Conductivity Reading		
			4.0 Standard		✓	84 S Standard		
			7.0 Standard		✓	1413 S Standard		✓
			10.0 Standard					
TURB 14.65		initial 69.2	initial		8.02	initial		9880
6.41	after 1.91 (gal.)	68.1	after 1.91 (gal.)		8.06	after 1.91 (gal.)		9920
4.08	after 3.82 (gal.)	68.8	after 3.82 (gal.)		8.04	after 3.82 (gal.)		9900
	after ____ (gal.)		after ____ (gal.)			after ____ (gal.)		
	after ____ (gal.)		after ____ (gal.)			after ____ (gal.)		
	after ____ (gal.)		after ____ (gal.)			after ____ (gal.)		

Water Sample:
Time Collected: 12:30

Physical Appearance at Start		Physical Appearance at Sampling	
Color	CLEAR	Color	CLEAR
Odor	NONE	Odor	NONE
Turbidity (> 100 NTUs)	14.65	Turbidity (> 100 NTU's)	4.20
Sheen/Free Product	NONE	Sheen/Free Product	NONE

Sample Parameters: VOC (8260B) SVOCs (8270C) METALS (6010B/7470A) CYANIDE (9010B) PCBs 680 PEST/HERBS (8081A/8151A) DIOXIN (8290)

Container Size	Container Type	# Collected	Filtered	Preservative	pH	Temp.	Conductivity
40 ML	GLASS	3	N	HCL	7.95	68.3	9700
1L	AMBER	2	N	—			
250 & 500 ML	POLY	1	N	HNO3			
500 ML	POLY	1	N	NaOH			
1L	AMBER	2	N	—			
1L	AMBER	4	N	—			
1L	AMBER	2	N	—			

Monitoring Well Integrity Checklist:

Well identification number clearly marked? ..... Yes ✓ No ____
Well covers and locks in good condition and secure? ..... Yes ✓ No ____
Is the well stand pipe vertically aligned and secure? ..... Yes ✓ No ____
Is the concrete pad and surface seal in good condition? NONE ..... Yes ____ No ____
Are soils surrounding the well pad eroded? ..... Yes ____ No ✓
Is the PVC well casing in good condition? STEEL ..... Yes ✓ No ____
Is there standing water in the annular space between the well stand pipe and PVC casing? ..... Yes ____ No ✓
Is the stand pipe vented at the base to provide drainage? ..... Yes ✓ No ✓
Does the total depth of the well sounded correspond with original well completion depths? ..... Yes ✓ No ____

NOTES: Top of casing elevation: ____
Depth to Ground Water: 10.54
Ground Water Elevation: ____

O'BRIEN & GERE ENGINEERS, INC. — Ground Water Sampling Log

ate: 10/11/99
Site Name: SOLUTIA
Site Location: SAUSET, IL
Personnel: JM JUDGE, AJ HASER

Weather: SUNNY 70° F
Well Number: EE-GW-110
Project Number: 23548
Evacuation Method: PATASTALTIC PUMP
PID 0.0

Depth of Well * 25.56 ft. -1.30 = 24.26
Depth to Water * 11.44 ft. -1.30 = 10.14
Length of Water Column 14.12 ft.
Volume of Water in Well 2.30 gal.(s)
3X Volume of Water in Well 6.90 gal.(s)

Water Volume /ft. for:
2" Diameter Well = 0.163 X LWC
4" Diameter Well = 0.653 X LWC
6" Diameter Well = 1.469 X LWC

Volume removed before sampling 7.0 gal.(s)
Did well go dry? Yes ____ No ✓

*Measurements taken from ✓ Top of Well Casing ____ Top of Protective Casing ____ (Other, Specify)

Water parameters:

Temperature Reading			pH Reading			Conductivity Reading		
TOPS		35.10	4.0 Standard		✓	84 S Standard		
			7.0 Standard		✓	1413 S Standard		✓
			10.0 Standard					
	initial	70	initial		6.39	initial		7630
0.49 after	2.30 (gal.)	69.5	after	2.30 (gal.)	6.80	after	2.30 (gal.)	7120
0.29 after	5.22 (gal.)	69.9	after	5.22 (gal.)	7.49	after	5.22 (gal.)	7220
0.28 after	(gal.)		after	(gal.)		after	(gal.)	
after	(gal.)		after	(gal.)		after	(gal.)	
after	(gal.)		after	(gal.)		after	(gal.)	

Water Sample:
Time Collected: 11:30 & 13:30 (MS/MD)

Physical Appearance at Start		Physical Appearance at Sampling	
Color	CLEAR	Color	CLEAR
Odor	NONE	Odor	NONE
Turbidity (> 100 NTUs)	35.10	Turbidity (> 100 NTU's)	0.28
Sheen/Free Product	NONE	Sheen/Free Product	NONE

VOC (8260B) SVOCs (8270C) METALS (6010B/7470A) CYANIDE (9010B)

Sample Parameters: PCBs 680, PEST/HERBS (8081A/8151A) DIOXIN (8290)

Container Size	Container Type	# Collected	Filtered	Preservative	pH	Temp.	Conductivity
40 ML	GLASS	3	N	HCL	7.02	68.1	7093
1 L	AMBER	2	N		"	"	"
250 & 500 ML	POLY	1	N	HNO_3	"	"	"
500 ML	"	1	N	NAOH	"	"	"
1 L	AMBER	2	N	—	"	"	"
1 L	"	4	N	—	"	"	"
1 L	"	2	N	$NA_2SO_2O_3$	"	"	"

Monitoring Well Integrity Checklist: ALSO COLLECTED MS/MD SAMPLES (2) AT THIS LOCATION

Well identification number clearly marked? ..... Yes ✓ No ✓
Well covers and locks in good condition and secure? ..... Yes ✓ No ____
Is the well stand pipe vertically aligned and secure? ..... Yes ✓ No ____
Is the concrete pad and surface seal in good condition? NONE Yes ____ No ✓
Are soils surrounding the well pad eroded? ..... Yes ____ No ✓
Is the ~~PVC~~ well casing in good condition? STEEL ..... Yes ✓ No ✓
Is there standing water in the annular space between the well stand pipe and PVC casing? ..... Yes ____ No ✓
Is the stand pipe vented at the base to provide drainage? ..... Yes ✓ No ✓
Does the total depth of the well sounded correspond with original well completion depths? ..... Yes ✓ No ____

NOTES: Top of casing elevation: ____
Depth to Ground Water: ____
Ground Water Elevation: ____

O'BRIEN & GERE ENGINEERS, INC. — Ground Water Sampling Log

te: 10/11/99
Site Name: SOLOTTA
Site Location: SAUSET, IL
Personnel: JM JORDE, AJ KAISER

Weather: Sunny 70°
Well Number: EEG-109
Project Number: 23948
Evacuation Method: ~~PERISTALTIC PUMP~~
PID 0.0 PPM

Depth of Well * 25.05 ft. -1.25 = 23.80
Depth to Water * 12.10 ft. -1.25 = 10.85
Length of Water Column 12.95 ft.
Volume of Water in Well 2.11 gal.(s)
3X Volume of Water in Well 6.33 gal.(s)

Water Volume /ft. for:
(2") Diameter Well = 0.163 X LWC
4" Diameter Well = 0.653 X LWC
6" Diameter Well = 1.469 X LWC

Volume removed before sampling 6.5 gal.(s)
Did well go dry? Yes ____ No ✓

*Measurements taken from ✓ Top of Well Casing ____ Top of Protective Casing ____ (Other, Specify)

Water parameters:

Temperature Reading			pH Reading			Conductivity Reading		
TURB 180.6			4.0 Standard			84 S Standard		
			7.0 Standard			1413 S Standard		
	initial	76.2	10.0 Standard					
4.31 after 2.11 (gal.)		70.9	initial	4.79		initial		2330
1.49 after 4.22 (gal.)		69.3	after 2.11 (gal.)	4.56		after 2.11 (gal.)		2540
after ~~6.33~~ (gal.)			after 4.22 (gal.)	4.74		after 4.22 (gal.)		2510
after ____ (gal.)			after ____ (gal.)			after ____ (gal.)		
after ____ (gal.)			after ____ (gal.)			after ____ (gal.)		
after ____ (gal.)			after ____ (gal.)			after ____ (gal.)		

Water Sample:
Time Collected: 15:00

Physical Appearance at Start		Physical Appearance at Sampling	
Color	GRAY	Color	CLEAR
Odor	NONE	Odor	NONE
Turbidity (> 100 NTUs)	180.6	Turbidity (> 100 NTU's)	1.22
Sheen/Free Product	NONE	Sheen/Free Product	NONE

Sample Parameters: VOCs (8260B) SVOCs (8270C) METALS (6010B/7470A) CYANIDE (9010B) PCBs 680, PESTs/HERBs (8081A/8151A) DIOXIN (8290)

Container Size	Container Type	# Collected	Filtered	Preservative	pH	Temp.	Conductivity
40 ML	GLASS	3	N	HCL	4.61	69.1	2470
1 L	AMBER	2	N	—	"	"	"
250 & 500 ML	POLY	1	N	HNO_3	"	"	"
500 ML	"	1	N	NAOH	"	"	"
1 L	AMBER	2	N	—	"	"	"
1 L	"	4	N	—	"	"	"
1 L	"	2	N	NaS_2O_3	"	"	"

Monitoring Well Integrity Checklist:

Well identification number clearly marked? ..... Yes ✓ No ✓
Well covers and locks in good condition and secure? ..... Yes ✓ No ____
Is the well stand pipe vertically aligned and secure? ..... Yes ✓ No ____
Is the concrete pad and surface seal in good condition? NONE ..... Yes ____ No ____
Are soils surrounding the well pad eroded? ..... Yes ✓ No ✓
Is the ~~PVC~~ well casing in good condition? STEEL ..... Yes ✓ No ____
Is there standing water in the annular space between the well stand pipe and ~~PVC~~ casing? ..... Yes ____ No ✓
Is the stand pipe vented at the base to provide drainage? ..... Yes ✓ No ✓
Does the total depth of the well sounded correspond with original well completion depths? ..... Yes ✓ No ____

NOTES: Top of casing elevation: ____
Depth to Ground Water: ____
Ground Water Elevation: ____

O'BRIEN & GERE ENGINEERS, INC. — Ground Water Sampling Log

Date: 10/12/99
Site Name: Solutia
Site Location: EE-03 01 Surget
Personnel: ASX/DST

Weather: Cloudy - 55°F
Well Number: EE-03 01
Project Number: 23549
Evacuation Method: peristaltic pump

PID = 0.0 ppm

Depth of Well * 35.05 ft.
Depth to Water * 11.15 ft.
Length of Water Column 23.9 ft.
Volume of Water in Well 3.90 gal.(s)
3X Volume of Water in Well 11.69 gal.(s)

Water Volume /ft. for:
2" Diameter Well = 0.163 X LWC
4" Diameter Well = 0.653 X LWC
6" Diameter Well = 1.469 X LWC

Volume removed before sampling 11.7 gal.(s)
Did well go dry? Yes ____ No X

*Measurements taken from X Top of Well Casing ____ Top of Protective Casing ____ (Other, Specify)

Water parameters:

Temperature Reading			pH Reading			Conductivity Reading		
			4.0 Standard			84 S Standard		
			7.0 Standard			1413 S Standard		
			10.0 Standard					
	initial	57.2	initial		6.01	initial		2120
after 3.9 (gal.)		58.0	after 3.9 (gal.)		6.34	after 3.9 (gal.)		2070
after 7.8 (gal.)		58.5	after 7.8 (gal.)		6.48	after 7.8 (gal.)		2030
after 11.7 (gal.)		59.4	after 11.7 (gal.)		6.41	after 11.7 (gal.)		1940
after ____ (gal.)			after ____ (gal.)			after ____ (gal.)		
after ____ (gal.)			after ____ (gal.)			after ____ (gal.)		

13.0, 12.1, 11.3

Water Sample Time Collected: 9AM

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Dark grey	Color	clear - black sediment
Odor	Yes	Odor	Yes
Turbidity (> 100 NTUs)	[illegible]	Turbidity (> 100 NTU's)	11.3 X 100
Sheen/Free Product	No	Sheen/Free Product	NO

Sample Parameters: VOC (8260B), SVOC (8270C), metals (6010B) Cyanide (9010B) PCBs (680), Pest (8081A), Herbs (8151A), Dioxin (8290), MERC (747

Container Size	Container Type	# Collected	Filtered	Preservative	pH	Temp.	Conductivity
40 ml	Glass	3	✓	HCl	6.41	59.4	1940
1L	Amber Glass	2	✓	—	"		
500 ml	poly	1	✓	HNO_3	"		
500 ml	"	1	✓	NaOH			
250 ml	"	1	✓	HNO_3			
1L	Amber Glass	2	✓	—			
1L	"	4	✓	—			
1L	"	2	✓	NAS_2O_3			

Monitoring Well Integrity Checklist: Split Sample w/ Weston

	Yes	No
Well identification number clearly marked?		✓
Well covers and locks in good condition and secure?		✓
Is the well stand pipe vertically aligned and secure?	X	
Is the concrete pad and surface seal in good condition?		NA
Are soils surrounding the well pad eroded?		X
Is the PVC well casing in good condition? steel		NA
Is there standing water in the annular space between the well stand pipe and PVC casing?		X
Is the stand pipe vented at the base to provide drainage?		X
Does the total depth of the well sounded correspond with original well completion depths?	✓	

NOTES: Top of casing elevation: ____
Depth to Ground Water: ____
Ground Water Elevation: ____

O'BRIEN & GERE ENGINEERS, INC. — Ground Water Sampling Log

ate: 10/12/99
Site Name: Solutia
Site Location: Sauget EE-003
Personnel: PSK/DST

Weather: Sunny 90°
Well Number: EE003
Project Number: 23548
Evacuation Method: peristaltic
PID - 0.00ppm

Depth of Well * 35.20 ft.
Depth to Water * 17.51 ft.
Length of Water Column 21.69 ft.
Volume of Water in Well 3.54 gal.(s)
3X Volume of Water in Well 10.61 gal.(s)

Water Volume /ft. for:
2" Diameter Well = 0.163 X LWC
4" Diameter Well = 0.653 X LWC
6" Diameter Well = 1.469 X LWC

Volume removed before sampling ~~10.61~~ 14.5 gal.(s)
Did well go dry? Yes ____ No X

*Measurements taken from [X] Top of Well Casing [ ] Top of Protective Casing [ ] (Other, Specify)

Water parameters:

Temperature Reading			pH Reading			Conductivity Reading		
			4.0 Standard		✓	84 S Standard		✓
			7.0 Standard		✓	1413 S Standard		✓
			10.0 Standard		✓			
	initial	76.0	initial		6.71	initial		2310
	after 3.54 (gal.)	68.5	after 3.5 (gal.)		6.82	after 3.5 (gal.)		2100
	after 7.08 (gal.)	70.2	after 7.08 (gal.)		7.28	after 7.08 (gal.)		2110
	after 10.61 (gal.)	70.0	after 10.61 (gal.)		6.86	after 10.61 (gal.)		1920
	after 14.5 (gal.)	68.8	after 14.5 (gal.)		6.75	after 14.5 (gal.)		1900
	after ____ (gal.)		after ____ (gal.)			after ____ (gal.)		

Turb initial 145 ×1000 → 145 ×1000
after 3.54 (gal.) 67 ×100
after 7.08 (gal.) 28.4 ×100
after 10.61 (gal.) 23.5 ×100
after 14.5 (gal.) 22.8 ×100

Water Sample:
Time Collected: 4:15 PM

Physical Appearance at Start		Physical Appearance at Sampling	
Color	light brn	Color	Clear brn particles
Odor	NO	Odor	NO
Turbidity (> 100 NTUs)	145 ×1000	Turbidity (> 100 NTU's)	22.8 ×100
Sheen/Free Product	NO	Sheen/Free Product	NO

Sample Parameters: VOC (8260B), SVOC (8270C), Metals (6010B), Cyanide (9010B), PCB's (680), Pest (8081A), Herb (8151A), Dioxin (8290) Merc. (7470A)

Container Size	Container Type	# Collected	Filtered	Preservative	pH	Temp.	Conductivity
40 ml	Glass	3	N	HCl	6.75	68.8	1900
1L	Amber Glass	2	N	—			
500 ml	poly	1	N	HNO_3			
500 ml	"	1	N	~~Hcl~~ NaOH			
250 ml	"	1	N	HNO_3 4°C			
1L	Amber Glass	2	N	—			
1L	"	4	N	—			
1L	"	2	N	NaS_2O_3			

Monitoring Well Integrity Checklist:

	Yes	No
Well identification number clearly marked?		✓
Well covers and locks in good condition and secure?	X	
Is the well stand pipe vertically aligned and secure?	X	
Is the concrete pad and surface seal in good condition?		NA
Are soils surrounding the well pad eroded?		X
Is the PVC well casing in good condition? 4 ft.	X	
Is there standing water in the annular space between the well stand pipe and PVC casing?		X
Is the stand pipe vented at the base to provide drainage?		X
Does the total depth of the well sounded correspond with original well completion depths?	X	

NOTES: Top of casing elevation: ____
Depth to Ground Water: ____
Ground Water Elevation: ____

O'BRIEN & GERE ENGINEERS, INC. — Ground Water Sampling Log

Date: 10/13/94
Site Name: Solutia Sauget Area 1
Site Location: Sauget IL
Personnel: D A Thompson / A J Cook

Weather: Clear Windy
Well Number: EE-05
Project Number: 23546
Evacuation Method: Peristaltic Pump
PID 0.0 ppm

Depth of Well *: 22.21 ft.
Depth to Water *: 14.21 ft.
Length of Water Column: 8.00 ft.
Volume of Water in Well: 1.304 gal.(s)
3X Volume of Water in Well: 3.91 gal.(s)

Water Volume /ft. for:
2" Diameter Well = 0.163 X LWC
4" Diameter Well = 0.653 X LWC
6" Diameter Well = 1.469 X LWC

Volume removed before sampling: 7 gal.(s)
Did well go dry? Yes ____ No X

*Measurements taken from: X Top of Well Casing ____ Top of Protective Casing ____ (Other, Specify) ____

Water parameters:

Temperature Reading			pH Reading			Conductivity Reading		
			4.0 Standard		✓	84 S Standard		
			7.0 Standard		✓	1413 S Standard		✓
			10.0 Standard					
initial		65.2	initial		6.88	initial		1610
after	2 (gal.)	65.5	after	2 (gal.)	6.90	after	2 (gal.)	1620
after	4 (gal.)	63.6	after	4 (gal.)	6.90	after	4 (gal.)	1570
after	6 (gal.)	63.2	after	6 (gal.)	6.98	after	6 (gal.)	1560
after	(gal.)		after	(gal.)		after	(gal.)	
after	(gal.)		after	(gal.)		after	(gal.)	

Water Sample:
Time Collected: 1300

Physical Appearance at Start
Color: Clear
Odor: Chemical
Turbidity (> 100 NTUs): 62
Sheen/Free Product: Trace Sheen

Physical Appearance at Sampling
Color: Clear
Odor: Chemical
Turbidity (> 100 NTU's): 4.5
Sheen/Free Product: ~~None~~ Trace Sheen

Sample Parameters: VOCs (8260B), SVOCs (8270C), METALS (6010B/7470A), CYANIDE (9010B) PCBs (680), PESTS/HERBS (8081A/8151A), DIOXIN (8290)

Container Size	Container Type	# Collected	Filtered	Preservative	pH	Temp.	Conductivity
1 L	Amber	2	NO	Cool	6.98	63.2	1560
1 L		2					
1 L		2					
1 L		2					
1 L		4		Cool, $Na_2S_2O_3$			
500 ml	Plastic	1	NO	Cool, HNO_3			
500 ml		1		Cool, NaOH			
250 ml		1		Cool, H_2SO_4			
40 ml	Glass	3	NO	Cool, HCL			

Monitoring Well Integrity Checklist: MS/MSD collected.

Well identification number clearly marked? ..... Yes ____ No X
Well covers and locks in good condition and secure? Locked Casing Broken ..... Yes ____ No X
Is the well stand pipe vertically aligned and secure? ..... Yes X No ____
Is the concrete pad and surface seal in good condition? ..... Yes X No ____
Are soils surrounding the well pad eroded? ..... Yes ____ No X
Is the PVC well casing in good condition? Steel ..... Yes X No ____
Is there standing water in the annular space between the well stand pipe and PVC casing? ..... Yes ____ No X
Is the stand pipe vented at the base to provide drainage? ..... Yes ____ No X
Does the total depth of the well sounded correspond with original well completion depths? ..... Yes ____ No ____

NOTES: Top of casing elevation: ____
Depth to Ground Water: ____
Ground Water Elevation: ____

O'BRIEN & GERE ENGINEERS, INC. — Ground Water Sampling Log

Date: 11/2/99
Site Name: Solutia, Sauget Area 1
Site Location: EEG-105-GP, Sauget, IL
Personnel: None

Weather: ~45°F windy
Well Number: EEG-105-GP
Project Number: 23540
Evacuation Method: P

Depth of Well *: 18-23 ft.
Depth to Water *: ____ ft.
Length of Water Column: ____ ft.
Volume of Water in Well: ____ gal.(s)
3X Volume of Water in Well: ____ gal.(s)

Water Volume /ft. for:
2" Diameter Well = 0.163 X LWC
4" Diameter Well = 0.653 X LWC
6" Diameter Well = 1.469 X LWC

Volume removed before sampling: 25 gal.(s)
Did well go dry? Yes ____ No ✓

*Measurements taken from: ____ Top of Well Casing ____ Top of Protective Casing X (Other, Specify) Ground Surface

Water parameters:

Temperature Reading			pH Reading			Conductivity Reading		
			4.0 Standard		✓	84 S Standard		
			7.0 Standard		✓	1413 S Standard		✓
			10.0 Standard					
	initial	54.8	initial		7.05	initial		6040
after	4 (gal.)	57.5	after	4 (gal.)	6.96	after	4 (gal.)	5350
after	10 (gal.)	57.7	after	10 (gal.)	7.03	after	10 (gal.)	5140
after	16 (gal.)	53.0	after	16 (gal.)	7.02	after	16 (gal.)	5070
after	20 (gal.)	53.3	after	20 (gal.)	7.03	after	20 (gal.)	4990
after	25 (gal.)	53.3	after	25 (gal.)	7.03	after	25 (gal.)	5010

Water Sample:
Time Collected: 1435

Turbidity	
initial	1900
4	1700
10	960
16	31.7
20	7.53
25	2.81

Physical Appearance at Start		Physical Appearance at Sampling	
Color	cloudy	Color	clear
Odor	None	Odor	None
Turbidity (> 100 NTUs)	HIGH	Turbidity (> 100 NTU's)	LOW
Sheen/Free Product	NO	Sheen/Free Product	NO

Sample Parameters: VOC's (8260B) SVOC's (8270C) Metals (6010B) mercury (7470A) Cyanide (9010B) PCB's (8080), Pesticides (8081A) Herbicides (8151A) Dioxin (8290)

Container Size	Container Type	# Collected	Filtered	Preservative	pH	Temp	Conductivity
40 ml	glass	3	no	cool HCL	7.03	53.3	5010
1 l	amber glass	8	no	cool			
500 ml	poly	1	no	cool HNO_3			
500 ml	poly	1	no	cool NaOH			
250 ml	poly	1	no	cool HNO_3			
1 l	amber glass	2	no	$Na_2S_2O_3$, cool			

Monitoring Well Integrity Checklist: DAMAGED WELL

Well identification number clearly marked?	Yes ____	No ✓
Well covers and locks in good condition and secure?	Yes ____	No ✓
Is the well stand pipe vertically aligned and secure?	Yes ____	No ✓
Is the concrete pad and surface seal in good condition?	Yes ____	No ✓
Are soils surrounding the well pad eroded?	Yes ____	No ✓
Is the PVC well casing in good condition?	Yes ____	No ✓
Is there standing water in the annular space between the well stand pipe and PVC casing?	Yes ____	No ✓
Is the stand pipe vented at the base to provide drainage?	Yes ____	No ✓
Does the total depth of the well sounded correspond with original well completion depths?	Yes ____	No ✓

NOTES: Top of casing elevation: ____
Depth to Ground Water: ____
Ground Water Elevation: ____

* collected MS/MSD @ THIS LOCATION

O'BRIEN & GERE ENGINEERS, INC. — Ground Water Sampling Log

Date: 11/3/99
Site Name: Solutia Sauget Area 1
Site Location: EEG-105-GP, Sauget, IL
Personnel: ASF

Weather: Sunny ~ 50°F
Well Number: EEG-103-GP
Project Number: 23548
Evacuation Method: peristaltic pump

Depth of Well * 16.5-21.5 ft.
Depth to Water * ____ ft.
Length of Water Column ____ ft.
Volume of Water in Well ____ gal.(s)
3X Volume of Water in Wel ____ gal.(s)

Water Volume /ft. for:
2" Diameter Well = 0.163 X LWC
4" Diameter Well = 0.653 X LWC
6" Diameter Well = 1.469 X LWC

Volume removed before sampling 13 gal.(s)
Did well go dry? Yes ____ No ✓

*Measurements taken from ____ Top of Well Casing ____ Top of Protective Casing X (Other, Specify) ground surface

Water parameters:

Temperature Reading			pH Reading			Conductivity Reading		
			4.0 Standard			84 S Standard		~~[illegible]~~
			7.0 Standard			1413 S Standard		
			10.0 Standard					
	initial	56.2	initial		6.81	initial		5.88
after 5	(gal.)	53.1	after 5	(gal.)	6.86	after 5	(gal.)	5.25
after 6	(gal.)	54.3	after 6	(gal.)	7.02	after 6	(gal.)	4.46
after 7	(gal.)	54.5	after 7	(gal.)	7.03	after 7	(gal.)	4.96
after 10	(gal.)	56.0	after 10	(gal.)	7.02	after 10	(gal.)	5.81
after 12	(gal.)	57.1	after 12	(gal.)	7.02	after 12	(gal.)	5.48
13		55.8	13		7.01	13		5.50

Water Sample:
Time Collected: 1020

	Turbidity	
	initial	560
	5 gl	262
	6 gl	61.1
	7	21.5
	10	7.67
	12	5.13
	13	3.40

Physical Appearance at Start

Color	Cloudy
Odor	None
Turbidity (> 100 NTUs)	HIGH
Sheen/Free Product	None

Physical Appearance at Sampling

Color	Clear
Odor	None
Turbidity (> 100 NTU's)	Low
Sheen/Free Product	None

Sample Parameters: VOC's (8260B) SVOC's (8270C) Metals (6010B) Mercury (7470A) Cyanide (9010B) Pesticides (8081A) Herbicides (8151A) Dioxin (8290)

Container Size	Container Type	# Collected	Filtered	Preservative	pH	Temp.	Conductivity
40 ml	glass	3	no	cool HCL	7.01	55.8	550
1 l	Amber glass	8	no	cool	↓	↓	↓
500 ml ~~poly~~	poly	1	no	cool, HNO_3			
500 ml	poly	1	no	cool, NaOH			
250 ml	poly	1	no	cool, HNO_3			
1 l	amber glass	2	no	$Na_2S_2O_3$, Cool			

Monitoring Well Integrity Checklist: DAMAGED WELL

Well identification number clearly marked? ..... Yes ____ No ✓
Well covers and locks in good condition and secure? ..... Yes ____ No ✓
Is the well stand pipe vertically aligned and secure? ..... Yes ____ No ✓
Is the concrete pad and surface seal in good condition? ..... Yes ____ No ✓
Are soils surrounding the well pad eroded? ..... Yes ____ No ✓
Is the PVC well casing in good condition? ..... Yes ____ No ✓
Is there standing water in the annular space between the well stand pipe and PVC casing? ..... Yes ____ No ✓
Is the stand pipe vented at the base to provide drainage? ..... Yes ____ No ✓
Does the total depth of the well sounded correspond with original well completion depths? ..... Yes ____ No ✓

NOTES: Top of casing elevation: ____
Depth to Ground Water: NA
Ground Water Elevation: ____

O'BRIEN & GERE ENGINEERS, INC. — Ground Water Sampling Log

Date: 11/3/99
Site Name: Solutia, Sauget Area 1
Site Location: Sauget, IL
Personnel: ASF

Weather: Sunny ~ 55°F
Well Number: ~~[illegible]~~ - 111 - GOP
Project Number: 23548
Evacuation Method: peristaltic pump

Depth of Well *: 18-23 ft.
Depth to Water *: ____ ft.
Length of Water Column: ____ ft.
Volume of Water in Well: ____ gal.(s)
3X Volume of Water in Well: ____ gal.(s)

Water Volume /ft. for:
2" Diameter Well = 0.163 X LWC
4" Diameter Well = 0.653 X LWC
6" Diameter Well = 1.469 X LWC

Volume removed before sampling: 5 gal.(s)
Did well go dry? Yes ____ No ✓

*Measurements taken from: ____ Top of Well Casing ____ Top of Protective Casing X (Other, Specify) ground surface

Water parameters:

Temperature Reading			pH Reading			Conductivity Reading		
			4.0 Standard		✓	84 S Standard		
			7.0 Standard		✓	1413 S Standard		✓
			10.0 Standard					
	initial	61.4	initial		10.97	initial		9.90
after	3 (gal.)	62.2	after	3 (gal.)	7.40	after	3 (gal.)	9.94
after	4 (gal.)	58.5	after	4 (gal.)	7.45	after	4 (gal.)	9.19
after	5 (gal.)	58.9	after	5 (gal.)	7.50	after	5 (gal.)	9.86
after	(gal.)		after	(gal.)		after	(gal.)	
after	(gal.)		after	(gal.)		after	(gal.)	

Water Sample:
Time Collected: 1410

Thermistor	
initial	533
3	122.7
4	110.5
5	95.6

Physical Appearance at Start
Color: cloudy
Odor: none
Turbidity (> 100 NTUs): light
Sheen/Free Product: NO

Physical Appearance at Sampling
Color: clear
Odor: None
Turbidity (> 100 NTU's): low
Sheen/Free Product: NO

Sample Parameters: * After 2 hrs of pumping collected sample VOCs (8260B), SVOCs (8270D), Metals (6010B), mercury (7470A), Cyanide (9010B), Pesticides (8081A), Herbicides (8151A), Dioxin (8290)

Container Size	Container Type	# Collected	Filtered	Preservative	pH	Temp	Conductivity
40ml	glass	3	no	HCl, cool	2.5	58.9	986
1L	amberglass	8	no	cool	↓	↓	↓
500ml	poly	1	no	HNO_3 cool			
500ml	poly	1	no	NaOH, cool			
250ml	poly	1	no	HNO_3, cool			
1L	amberglass	2	no	$Na_2S_2O_3$, cool			

Monitoring Well Integrity Checklist: Damaged well

Well identification number clearly marked?	Yes ____	No ✓
Well covers and locks in good condition and secure?	Yes ____	No ✓
Is the well stand pipe vertically aligned and secure?	Yes ____	No ✓
Is the concrete pad and surface seal in good condition?	Yes ____	No ✓
Are soils surrounding the well pad eroded?	Yes ____	No ✓
Is the PVC well casing in good condition?	Yes ____	No ____
Is there standing water in the annular space between the well stand pipe and PVC casing?	Yes ____	No ____
Is the stand pipe vented at the base to provide drainage?	Yes ____	No ____
Does the total depth of the well sounded correspond with original well completion depths?	Yes ____	No ____

NOTES: Top of casing elevation: ____
Depth to Ground Water: ____
Ground Water Elevation: ____

O'BRIEN & GERE ENGINEERS, INC — Ground Water Sampling Log

Date: 11/4/94
Site Name: SITE H, Solution, Sauget Area 1
Site Location: Sauget IL
Personnel: AJP

Weather: Sunny ~60°F
Well Number: EE-02-6P
Project Number: 23548
Evacuation Method: peristaltic pump

Depth of Well * 18-23 ft.
Depth to Water * ____ ft.
Length of Water Column ____ ft.
Volume of Water in Well ____ gal.(s)
3X Volume of Water in Well ____ gal.(s)

Water Volume /ft. for:
2" Diameter Well = 0.163 X LWC
4" Diameter Well = 0.653 X LWC
6" Diameter Well = 1.469 X LWC

Volume removed before sampling 22 gal.(s)
Did well go dry? Yes ____ No ✓

*Measurements taken from ☐ Top of Well Casing ☐ Top of Protective Casing ☒ (Other, Specify) ground surface

Water parameters:

Temperature Reading			pH Reading			Conductivity Reading		
			4.0 Standard			84 S Standard		
			7.0 Standard			1413 S Standard		
			10.0 Standard					
	initial	52.8	initial		5.96	initial		2240
after 4 (gal.)		54.0	after 4 (gal.)		5.95	after 4 (gal.)		2334
after 6 (gal.)		54.2	after 6 (gal.)		5.97	after 6 (gal.)		2336
after 8 (gal.)		54.8	after 8 (gal.)		5.90	after 8 (gal.)		2380
after 10 (gal.)		55.0	after 10 (gal.)		5.99	after 10 (gal.)		2380
after 12 (gal.)		54.8	after 12 (gal.)		6.02	after 12 (gal.)		2350
14		54.9	14		6.02	14		2350
18		55.1	18		6.03	18		2360
20		54.9	20		6.03	20		2390
22		54.9	22		6.02	22		3380

Water Sample: 0845
Time Collected:

Turbidity	
initial	233
4	41.2
6	22.7
8	17.5
10	14.3
12	9.2
14	7.6
18	6.77
20	5.66
22	4.89

Physical Appearance at Start
Color: cloudy
Odor: rubber
Turbidity (> 100 NTU's): HIGH
Sheen/Free Product: NO

Physical Appearance at Sampling
Color: clear
Odor: rubber
Turbidity (> 100 NTU's): low
Sheen/Free Product: NO

Sample Parameters: VOC's (8260B), SVOC's (8270C), Metals (6010B), mercury (7470A), cyanide (9010B), Pesticides (8081A), Herbicides (8151A) Dioxin (8290)

Container Size	Container Type	# Collected	Filtered	Preservative	pH	Temp.	Conductivity
40 ml	glass	3	no	HCL, cool	6.02	54.9	3380
1 l	amber glass	8	no	none	↓	↓	↓
500 ml	poly	1	no	HNO_3, cool			
500 ml	poly	1	no	NaOH cool			
250 ml	poly	1	no	HNO_3 cool			
1 l	amber glass	2	no	$Na_2S_2O_3$, cool			

Monitoring Well Integrity Checklist: DESTROYED WELL

Well identification number clearly marked? ..... Yes ____ No ____
Well covers and locks in good condition and secure? ..... Yes ____ No ____
Is the well stand pipe vertically aligned and secure? ..... Yes ____ No ____
Is the concrete pad and surface seal in good condition? ..... Yes ____ No ____
Are soils surrounding the well pad eroded? ..... Yes ____ No ____
Is the PVC well casing in good condition? ..... Yes ____ No ____
Is there standing water in the annular space between the well stand pipe and PVC casing? ..... Yes ____ No ____
Is the stand pipe vented at the base to provide drainage? ..... Yes ____ No ____
Does the total depth of the well sounded correspond with original well completion depths? ..... Yes ____ No ____

NOTES: Top of casing elevation: ____
Depth to Ground Water: ____
Ground Water Elevation: ____

O'BRIEN & GERE ENGINEERS, INC. — Ground Water Sampling Log

Date: 11/4/99
Site Name: Site I, Solution, Sauget Area
Location: Sauget [illegible]
Personnel: [illegible]

Weather: Sunny ~ 60°F
Well Number: EE-13-GP
Project Number: 23[illegible]
Evacuation Method: peristaltic pump

Depth of Well * 23-29 ft.
Depth to Water * ____ ft.
Length of Water Column ____ ft.
Volume of Water in Well ____ gal.(s)
3X Volume of Water in Well ____ gal.(s)

Water Volume /ft. for:
2" Diameter Well = 0.163 X LWC
4" Diameter Well = 0.653 X LWC
6" Diameter Well = 1.469 X LWC

Volume removed before sampling 7 gal.(s)
Did well go dry? Yes ____ No ✓

*Measurements taken from ☐ Top of Well Casing ☐ Top of Protective Casing ☒ (Other, Specify) ground surface

Water parameters:

Temperature Reading			pH Reading			Conductivity Reading		
			4.0 Standard		✓	64 S Standard		
			7.0 Standard		✓	1413 S Standard		✓
			10.0 Standard					
	initial	65.8	initial		6.66	initial		1241
after 2	(gal.)	63.0	after 2	(gal.)	6.40	after 2	(gal.)	1210
after 4	(gal.)	63.1	after 4	(gal.)	7.00	after 4	(gal.)	1022
after 5	(gal.)	62.5	after 5	(gal.)	7.08	after 5	(gal.)	1048
after 7	(gal.)	62.3	after 7	(gal.)		after 7	(gal.)	1036
after	(gal.)		after	(gal.)		after	(gal.)	

Water Sample:
Time Collected: 1500

Physical Appearance at Start		Turbidity		Physical Appearance at Sampling	
		initial	4530		
		2	1240		
Color	cloudy	4	35.1	Color	clear
Odor	none	5	14.06	Odor	None
Turbidity (> 100 NTUs)	Heat	7	12.35	Turbidity (> 100 NTU's)	Low
Sheen/Free Product	no			Sheen/Free Product	NO

* After 2 hrs of purging sampled

Sample Parameters: VOC's (8260B) SVOC's (8270C) metals (6010B) Mercury (7470A) Cyanide (9010B) PCB's (680) Pesticides (8081A) Herbicides (8151A) Dioxin (8290)

Container Size	Container Type	# Collected	Filtered	Preservative	pH	Temp.	Conductivity
40 ml	glass	3	no	HCL, cool	7.08	62.3	1036
1 l	amber glass	8	no	none, cool	↓	↓	↓
500 ml	poly	1	no	HNO_3, cool	↓	↓	↓
500 ml	poly	1	no	NaOH, cool	↓	↓	↓
250 ml	poly	1	no	HNO_3, cool	↓	↓	↓
1 l	amber glass	2	no	$Na_2S_2O_3$, cool	↓	↓	↓

Monitoring Well Integrity Checklist: DESTROYED WELL

Well identification number clearly marked? ..... Yes ____ No ✓
Well covers and locks in good condition and secure? ..... Yes ____ No ✓
Is the well stand pipe vertically aligned and secure? ..... Yes ____ No ✓
Is the concrete pad and surface seal in good condition? ..... Yes ____ No ✓
Are soils surrounding the well pad eroded? ..... Yes ____ No ✓
Is the PVC well casing in good condition? ..... Yes ____ No ✓
Is there standing water in the annular space between the well stand pipe and PVC casing? ..... Yes ____ No ✓
Is the stand pipe vented at the base to provide drainage? ..... Yes ____ No ✓
Does the total depth of the well sounded correspond with original well completion depths? ..... Yes ____ No ✓

NOTES: Top of casing elevation: ____
Depth to Ground Water: ____
Ground Water Elevation: ____

O'BRIEN & GERE ENGINEERS, INC. — Ground Water Sampling Log

Date: 11/5/99
Site Name: SITE I Sauget Area
Site Location: Sauget IL
Personnel: [illegible]

Weather: Sunny ~ 60°
Well Number: EE-12-GP
Project Number: 23548
Evacuation Method: peristaltic pump

Depth of Well * 28-33 ft. screened
Depth to Water * ____ ft.
Length of Water Column ____ ft.
Volume of Water in Well ____ gal.(s)
3X Volume of Water in Well ____ gal.(s)

Water Volume /ft. for:
2" Diameter Well = 0.163 X LWC
4" Diameter Well = 0.653 X LWC
6" Diameter Well = 1.469 X LWC

Volume removed before sampling 10 gal.(s)
Did well go dry? Yes ✓ No ____

*Measurements taken from [ ] Top of Well Casing [ ] Top of Protective Casing [X] (Other, Specify) ground surface

Water parameters:

Temperature Reading			pH Reading			Conductivity Reading		
			4.0 Standard			84 S Standard		
			7.0 Standard			1413 S Standard		
			10.0 Standard					
	initial	66°	initial		6.46	initial		3680
after 2	(gal.)	63°	after 2	(gal.)	6.32	after 2	(gal.)	2860
after 4	(gal.)	60.9	after 4	(gal.)	6.30	after 4	(gal.)	2750
after 6	(gal.)	66.0	after 6	(gal.)	6.52	after 6	(gal.)	2950
after 8	(gal.)	67.4	after 8	(gal.)	6.55	after 8	(gal.)	2420
after 10	(gal.)	68.7	after 10	(gal.)	6.72	after 10	(gal.)	2270

Water Sample:
Time Collected: 1040

Physical Appearance at Start		Turbidity		Physical Appearance at Sampling	
		initial	2300		
		2	2100		
Color	cloudy	4	234	Color	CLEAR
Odor	PETRO	6	273	Odor	NO
Turbidity (> 100 NTUs)	1 hbit	8	117.2	Turbidity (> 100 NTU's)	LOW
Sheen/Free Product	yes	10	106	Sheen/Free Product	NO

* AFTER 2 HRS OF PURGING COLLECTED SAMPLES

Sample Parameters: VOC's (8260B) SVOC's (8270C) Metals (6010B) Mercury (7470A) Cyanide (9010B) PCB's (680) Pesticides (8081A) Herbicides (8151A) Dioxin (8290)

Container Size	Container Type	# Collected	Filtered	Preservative	pH	Temp.	Conductivity
40ml	glass	3	no	HCl, cool	6.72	68.7	2270
1l	amber glass	8	no	none, cool	↓	↓	↓
500ml	poly	1	no	HNO_3, cool			
500ml	poly	1	no	NaOH, cool			
250ml	poly	1	no	HNO_3, cool			
1l	amber glass	2	no	$Na_2S_2O_3$, cool			

Monitoring Well Integrity Checklist: Damaged well

Well identification number clearly marked? ..... Yes ____ No ____
Well covers and locks in good condition and secure? ..... Yes ____ No ____
Is the well stand pipe vertically aligned and secure? ..... Yes ____ No ____
Is the concrete pad and surface seal in good condition? ..... Yes ____ No ____
Are soils surrounding the well pad eroded? ..... Yes ____ No ____
Is the PVC well casing in good condition? ..... Yes ____ No ____
Is there standing water in the annular space between the well stand pipe and PVC casing? ..... Yes ____ No ____
Is the stand pipe vented at the base to provide drainage? ..... Yes ____ No ____
Does the total depth of the well sounded correspond with original well completion depths? ..... Yes ____ No ____

NOTES: Top of casing elevation: ____
Depth to Ground Water: ____
Ground Water Elevation: ____

O'BRIEN & GERE ENGINEERS, INC. — Ground Water Sampling Log

Date: 11/5/99
Site Name: SITE I, Solutia Sauget Area
Site Location: Sauget, IL
Personnel: ADF

Weather: sunny ~70°
Well Number: SE-14 -GP
Project Number: 23548
Evacuation Method: peristaltic pump

Depth of Well *: 32.5-37.5 ft.
Depth to Water *: ____ ft.
Length of Water Column: ____ ft.
Volume of Water in Well: ____ gal.(s)
3X Volume of Water in Well: ____ gal.(s)

Water Volume /ft. for:
2" Diameter Well = 0.163 X LWC
4" Diameter Well = 0.653 X LWC
6" Diameter Well = 1.469 X LWC

Volume removed before sampling: 28 gal.(s)
Did well go dry? Yes ____ No ✓

*Measurements taken from: [ ] Top of Well Casing [ ] Top of Protective Casing [X] (Other, Specify) ground surface

Water parameters:

Temperature Reading			pH Reading			Conductivity Reading		
			4.0 Standard			84 S Standard		
			7.0 Standard			1413 S Standard		
			10.0 Standard					
	initial	70.5	initial		5.82	initial		1460
after 5	(gal.)	69.9	after 5	(gal.)	6.50	after 5	(gal.)	1370
after 10	(gal.)	71.8	after 10	(gal.)	6.36	after 10	(gal.)	1330
after 14	(gal.)	72.7	after 14	(gal.)	6.59	after 14	(gal.)	1340
after 28	(gal.)	73.0	after 28	(gal.)	6.18	after 28	(gal.)	1300
after	(gal.)		after	(gal.)		after	(gal.)	

Water Sample:
Time Collected: 1330

TURBIDITY DID NOT REGISTER ON INSTRUMENT

Physical Appearance at Start		Initial		Physical Appearance at Sampling	
		5	3400		
		10	320		
Color	BLACK	14	240	Color	clear
Odor	PETRO	28	1292	Odor	PETRO
Turbidity (> 100 NTUs)	HIGH			Turbidity (> 100 NTU's)	low
Sheen/Free Product	yes			Sheen/Free Product	yes

Sample Parameters: * Sampled after 2 hrs purging VOC's (8260B) SVOC's (8270C) Metals (6010B), mercury (7470A) Cyanide (9010B), PCB's (680), pesticides (8081A) Herbicides (8151A) Dioxin (8290)

Container Size	Container Type	# Collected	Filtered	Preservative	pH	Temp.	Conductivity
40ml	glass	3	no	HCL, cool	6.18	73	1300
1L	amber glass	8	no	none, cool	↓	↓	↓
500ml	poly	1	no	HNO_3, cool			
500ml	poly	1	no	NaOH, cool			
250ml	poly	1	no	HNO_3, cool			
1L	amber glass	2	no	$Na_2S_2O_3$, cool			

Monitoring Well Integrity Checklist: DAMAGED WELL

Well identification number clearly marked?	Yes ____	No ✓
Well covers and locks in good condition and secure?	Yes ____	No ✓
Is the well stand pipe vertically aligned and secure?	Yes ____	No ✓
Is the concrete pad and surface seal in good condition?	Yes ____	No ✓
Are soils surrounding the well pad eroded?	Yes ____	No ✓
Is the PVC well casing in good condition?	Yes ____	No ✓
Is there standing water in the annular space between the well stand pipe and PVC casing?	Yes ____	No ✓
Is the stand pipe vented at the base to provide drainage?	Yes ____	No ✓
Does the total depth of the well sounded correspond with original well completion depths?	Yes ____	No ✓

NOTES: Top of casing elevation: ____
Depth to Ground Water: ____
Ground Water Elevation: ____

O'BRIEN & GERE ENGINEERS, INC. — Ground Water Sampling Log

Date: 11/8/99
Site Name: Solutia Sauget Area 1
Site Location: Sauget IL
Personnel: AJ Cork / NE Jenkins

Weather: Sunny 80°F
Well Number: EE-15-6P
Project Number: 23546
Evacuation Method: Peristaltic Pump
P.D Reading 0.00ppm

Depth of Well * ___ ft.
Depth to Water * ___ ft.
Length of Water Column ___ ft.
Volume of Water in Well ___ gal.(s)
3X Volume of Water in Well ___ gal.(s)

Not A well

Water Volume /ft. for:
2" Diameter Well = 0.163 X LWC
4" Diameter Well = 0.653 X LWC
6" Diameter Well = 1.469 X LWC

Volume removed before sampling 45 gal.(s)
Did well go dry? Yes ___ No X

*Measurements taken from ___ Top of Well Casing ___ Top of Protective Casing X (Other, Specify) Ground surface

Water parameters:

Temperature Reading			pH Reading			Conductivity Reading		
			4.0 Standard		✓	84 S Standard		✓
			7.0 Standard		✓	1413 S Standard		
			10.0 Standard					
	initial	74	initial		5.95	initial		1050
after	6 (gal.)	70.9	after	6 (gal.)	5.93	after	6 (gal.)	1020
after	12 (gal.)	70.6	after	12 (gal.)	6.08	after	12 (gal.)	970
after	18 (gal.)	70.9	after	18 (gal.)	6.19	after	18 (gal.)	969
after	24 (gal.)	69.9	after	24 (gal.)	6.63	after	24 (gal.)	936
after	30 (gal.)	69.9	after	30 (gal.)	6.67	after	30 (gal.)	921
Water Sample:	36	70.2		36	6.62		36	937
Time Collected:	42 1500	70.3		42	6.61		42	921

Physical Appearance at Start		Physical Appearance at Sampling	
Color	CLEAR	Color	Clear
Odor	Slight chemical odor	Odor	Slight Sulfur Odor
Turbidity (> 100 NTUs)	150	Turbidity (> 100 NTU's)	5.34 after 2 Hours
Sheen/Free Product	Trace	Sheen/Free Product	None

Sample Parameters: VOCs (8260B), SVOCs (8270C), PCBs (608), HERBs (8151A), PESTs (8081A) Metals (6010B), MERCURY (7470A), DIOXIN (8290)

Container Size	Container Type	# Collected	Filtered	Preservative	pH	Temp.	Conductivity
1 l	Amber Glass	8	NO	Cool	6.61	70.3	921
1 l	Amber Glass	2		Cool $Na_2S_2O_3$			
500 ml	Plastic	1		Cool HNO_3			
250 ml		1		Cool HNO_3			
500 ml		1		Cool NaOH			
40 ml	Clear Glass	3		Cool HCl			

Monitoring Well Integrity Checklist: Not A Well N/A

Well identification number clearly marked? ..... Yes ___ No ___
Well covers and locks in good condition and secure? ..... Yes ___ No ___
Is the well stand pipe vertically aligned and secure? ..... Yes ___ No ___
Is the concrete pad and surface seal in good condition? ..... Yes ___ No ___
Are soils surrounding the well pad eroded? ..... Yes ___ No ___
Is the PVC well casing in good condition? ..... Yes ___ No ___
Is there standing water in the annular space between the well stand pipe and PVC casing? ..... Yes ___ No ___
Is the stand pipe vented at the base to provide drainage? ..... Yes ___ No ___
Does the total depth of the well sounded correspond with original well completion depths? ..... Yes ___ No ___

NOTES: Top of casing elevation: ___
Depth to Ground Water: ___
Ground Water Elevation: ___

3.7.4.4. Chain-of-Custody Forms

Serial Number 1941

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: (954) 421-7400 — Fax: (954) 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
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

PROJECT REFERENCE: Solutia Sauget Area 1
PROJECT NO.: 23518
P.O. NUMBER: Bill Directly to Solutia
PROJECT LOC. (State): IL
SAMPLER(s) NAME: J. M. Judge / A. J. Kosiy
PHONE: (314) 842-1550
FAX: (314) 842-3266
CLIENT NAME: Solutia
CLIENT PROJECT MANAGER: Kimberly Perry
CLIENT ADDRESS (CITY, STATE, ZIP): Sauget, IL

MATRIX TYPE — REQUIRED ANALYSES — PAGE 1 OF 1

☒ STANDARD REPORT DELIVERY
☐ EXPEDITED REPORT DELIVERY (surcharge)
Date Due: _____

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (oil, solvent, etc)	SVOC (8270C)	Metals (6010B)	Mercury (7470A)	Cyanide (9010B)	PCB (680)	Pest (8081A)	Herb (8151A)				REMARKS
								HNO3	HNO3	NaOH	PRESERVATIVE							
10/7/99	10:10A		EEG-106	X				2	1	1	1	2	2	2				
10/7/99			TEMP BLANK	X														

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS	9/29/99			10/7/99	0800		10/7/99	19:00
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
EMPTY CONTAINERS	9/29/99			10/7/99	8AM	Fedex # 8155 1526 7290	10/7/99	1900

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			☐ YES ☐ NO			

99A-1

FedEx *USA Airbill* FedEx Tracking Number 8155 1526 7290

SDA11

Form ID No. 0215

1 From *Please print and press hard*

Date 10/7/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Alan Cook Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference First 24 characters will appear on invoice 23548.030.001

3 To Recipient's Name Betsy Beauchamp Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LA ROCHE AVE Dept./Floor/Suite/Room
We cannot deliver to PO boxes or PO ZIP codes

To "HOLD" at FedEx location, print FedEx address here.

City SAVANNAH State GA ZIP 31404

NEW Peel & Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

4a Express Package Service — *Packages up to 150 lbs.* Delivery commitment may be later in some areas

- [x] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One pound rate

4b Express Freight Service — *Packages over 150 lbs.* Delivery commitment may be later in some areas

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging — *Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [x] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg

6 Special Handling

- [ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? (One box must be checked)

- [x] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging.

7 Payment *Bill to:*

- [x] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. ____ Exp. Date ____

Total Packages	Total Weight	Total Declared Value†
1	43	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details.

FedEx Use Only

8 Release Signature Sign to authorize delivery without obtaining signature.

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

359

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99A-2

Serial Number 1 921

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: (954) 421-7400 — Fax: (954) 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
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

PROJECT REFERENCE: Solutia Sauget Area 1
PROJECT NO.: 73548
P.O. NUMBER: Drill Pres. Hy. Solutia
PROJECT LOC. (State): IL
SAMPLER(s) NAME: [illegible]
PHONE: (314) 842-4550
FAX: (314) 842-7266
CLIENT NAME: Solutia
CLIENT PROJECT MANAGER: Kelly Penny Solutia
CLIENT ADDRESS (CITY, STATE, ZIP): St Louis, MO

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: VOC (8260B) / SVOC (8270B) / Metals (6010A) / Mercury (7470A) / Cyanide (9010B) / PCB (8080) / Pesticides (8081A) / Herbicides (8151A)

PAGE 1 OF 1

☒ STANDARD REPORT DELIVERY
☐ EXPEDITED REPORT DELIVERY (surcharge)
Date Due

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	VOC (8260B)	SVOC (8270B)	Metals (6010A)	Mercury (7470A)	Cyanide (9010B)	PCB (8080)	Pesticides (8081A)	Herbicides (8151A)			REMARKS
								40 ml Vial	1 oz Jar	1 oz Jar	1 oz Jar	1 oz Jar	1 oz Jar	1 oz Jar	1 oz Jar			
10/7/99	1420		EEG-102	X				3	2	1	1	1	2	2	2			
10/7/99	1010		EEG-106	X				3										
10/7/99	1800		EEG-107	X				3										
10/7/99	—		TRIP BLANK	X				3										
10/7/99	—		TEMP BLANK	X														

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	10/7/99	14:00						
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
Fedex # 8155 1526 7280	10/7/99	1900						

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			☐ YES ☐ NO			

99A-3

FedEx *USA Airbill* FedEx Tracking Number 8155 1526 7280

Form I.D. No. 0215

SDA11

1 From *Please print and press hard*

Date 10/7/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Alan Cook Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference First 24 characters will appear on invoice 23548.030.001

3 To Recipient's Name Betsy Beauchamp Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LA ROCHE AVE Dept./Floor/Suite/Room

We cannot deliver to P.O. Boxes or P.O. ZIP codes

To "HOLD" at FedEx location, print FedEx address here

City SAVANNAH State GA ZIP 31404

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See back for application instructions

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Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

4a Express Package Service — *Packages up to 150 lbs.* Delivery commitment may be later in some areas

- [x] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge. One pound rate

4b Express Freight Service — *Packages over 150 lbs.* Delivery commitment may be later in some areas

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [x] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg

6 Special Handling

- [ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 3Day to select locations

Does this shipment contain dangerous goods?

- [x] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging

7 Payment *Bill to:*

- [x] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	42	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details.

FedEx Use Only

8 Release Signature *Sign to authorize delivery without obtaining signature*

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

359

0111962862

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& ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

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☐ 2846 Industrial Plaza Drive, Tallahassee, FL 32301 — Phone: (904) 878-3994 — Fax: (904) 878-9504
☐ 414 SW 12th Avenue, Deerfield Beach, FL 33442 — Phone: (954) 421-7400 — Fax: (954) 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
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Solution Sayet Aeal	23518	Bill Drechtx to Solution

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE / FAX
#L	A.J. Knisa / JM Sadge	PHONE (314) 812-1550 / FAX (314) 812-3266

CLIENT NAME	CLIENT PROJECT MANAGER
Solution	Kimberly Perry · Solution

CLIENT ADDRESS (CITY, STATE, ZIP): St. Louis, MO

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES — PAGE 1 OF 1

☐ STANDARD REPORT DELIVERY
☐ EXPEDITED REPORT DELIVERY (surcharge)
Date Due: _____

PRESERVATIVE: W NO3 / H NO3 / W NO3

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	SVOC (8270C)	Metals (6010B)	Mercury (7470A)	Cyanide (9010B)	PCB (680)	Pest (8081A)	Herb (8151A)				REMARKS
10/7/99	18:00		EEG-107	X				2	1	1	1	2	2	2	2			
10/7/99	–		TEMP BLANK	X														

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature] EMPTY CONTAINERS			[signature]	10/7/99	0800	[signature]	10/7/99	0800
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
[signature] EMPTY CONTAINERS			[signature]	10/7/99	0800	FedX #8155 1526 7305	10/7/99	1900

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	LOG NO.	LABORATORY REMARKS
			☐ YES ☐ NO			

FedEx *USA Airbill* FedEx Tracking Number 8155 1526 7305

SDA11

Form I.D. No. 0215

1 From *Please print and press hard.*

Date 10/7/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Alan Cook Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference *First 24 characters will appear on invoice* 23548.030.001

3 To

Recipient's Name Betsy Beauchamp Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LA ROCHE AVE Dept./Floor/Suite/Room

We cannot deliver to PO boxes or PO ZIP codes

To "HOLD" at FedEx location, print FedEx address here

City SAVANNAH State GA ZIP 31404

NEW! Print Ship FedEx Online

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability

4a Express Package Service — *Packages up to 150 lbs.* Delivery commitment may be later in some areas

- [X] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One pound rate

4b Express Freight Service — *Packages over 150 lbs.* Delivery commitment may be later in some areas

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg

6 Special Handling

- [ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?

- [X] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging

7 Payment *Bill to:*

- [X] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. ____ Exp. Date ____

Total Packages	Total Weight	Total Declared Value†
1	4	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details

FedEx Use Only

8 Release Signature *Sign to authorize delivery without obtaining signature*

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

359

0111962862

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RETAIN THIS COPY FOR YOUR RECORDS

CLIENT CHAIN OF CUSTODY | **SAMPLES SIGNATURE** Joseph W. Perry | **Project/Quote 049...9900001069**

From (1): Solutia, Inc.
575 Maryville Center Drive
St. Louis, MO 63141

Project (1): Sauget Area 1 Support Sampling

Contact: Mr. Alan Cork
Phone: 314-674-3402
Fax: 314-674-8957
P.O.# (1): _____

(SOL05 /FMS)

Data to be reported to the state of MO.

Analysis Wanted (2): DIOXIN (8290)

Total Number of Containers: 10

Turn Around Time (In Calendar Days):

Sample ID (3)	Date / Time	Preservation (4)	Matrix	Sample Amt.	DIOXIN (8290)					Remarks
SED-CSF-S3-0.2FT	10/7/99 1130	Cool	Sediment	1 l	X					
SED-CSF-S2-0.2Ft	10/7/99 1630	Cool	Sedment	1 l	X					
SED-CSF-S1-0.2Ft	10/7/99 1530	Cool	Sedment	1 l	X					
BPLESED-S2-0.2Ft	10/7/99 0930	Cool	Sedment	1 l	X					
EEG-106	10/7/99 1010	Cool $Na_2S_2O_4$	Ground Water	2 l	X					
EEG-107	10/7/99 1800	Cool $Na_2S_2O_4$	Grund Water	2 l	X					
EEG-102	10/7/99 1420	Cool $Na_2S_2O_4$	Grund Water	2 l	X					

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
Joseph W. Perry	10/7/99 1900	FedX #8157 4791 9634			

Received for Laboratory By/Signature	Date/Time	Send Samples to:
		Triangle Laboratories, Inc. Attn: Sample Custodian 801 Capitola Drive Durham, NC 27713 USA Phone: (919) 544-5729 • Fax: (919) 544-5491

Directions:
(1) Provide and/or correct client and project information.
(2) Verify analysis, check approriate boxes for each sample.
(3) Enter the sample ID to be used when reporting the samples.
(4) Please indicate the preservation used for each sample.

SDA21

FedEx USA Airbill FedEx Tracking Number 8157 4791 9634

Form I.D. No. 0215

1 From Please print and press hard.

Date 10/7/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Alan Cook Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference First 24 characters will appear on invoice. 23548.030.001

3 To

Recipient's Name Frank Stevens Phone ( )

Company TRIANGLE LABORATORIES

Address 801 CAPITOLA DR

We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept./Floor/Suite/Room

To "HOLD" at FedEx location, print FedEx address here.

City DURHAM State NC ZIP 27713

NEW Peel and Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

0111963289

4a Express Package Service — *Packages up to 150 lbs.* Delivery commitment may be later in some areas

- [X] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One-pound rate

4b Express Freight Service — *Packages over 150 lbs.* Delivery commitment may be later in some areas

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging — * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg.

6 Special Handling

- [ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?

- [X] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging.

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below

- [X] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	51	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details. FedEx Use Only

8 Release Signature Sign to authorize delivery without obtaining signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

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RETAIN THIS COPY FOR YOUR RECORDS

Serial Number 1 108

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

[X] 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: (954) 421-7400 Fax: (954) 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
[ ] 100 Alpha Drive, Suite 110, Destrehan, LA 70047 Phone: (504) 764-1100 Fax: (504) 725-1163

PROJECT REFERENCE: Solutia Sauget Area 1
PROJECT NO.: 23548
P.O. NUMBER: Pillto Solutia
PROJECT LOC. (State): IL
SAMPLER(s) NAME: John Judge
PHONE: (314) 842-1550
FAX: (314) 842-3266
CLIENT NAME: Solutia
CLIENT PROJECT MANAGER: Kimberly Perry
CLIENT ADDRESS (CITY, STATE, ZIP): St. Louis, Mo

PAGE 1 OF 1

[X] STANDARD REPORT DELIVERY
[ ] EXPEDITED REPORT DELIVERY (surcharge)
Date Due.

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES — NUMBER OF CONTAINERS SUBMITTED

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	VOCs (8260B) (cool HCl)	SVOCs (8270C) (cool)	METALS (6010B) MERCURY (7470A) (cool HNO3)	CYANIDE (9010B) (cool NaOH)	PCBs (680) (cool)	PESTS (8081A) HERBS (8151A) (cool)					REMARKS
10/8/99	1030		EEG-101	X				3	2	2	1	2	4					
10/8/99	1230		EEG-112	X				3										
10/8/99	1545		EEG-104	X				3										
10/8/99	–		TEMP BLANK	X														
10/8/99	–		TRIP BLANK	X				3										

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
A. Campbell	9/29/99		[signature]	10/8/99	0800	John Judge	10/8/99	2000
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
[signature]	9/29/99		John Judge	10/8/99	0800	FedX # 8155 1526 6125	10/8/99	2000

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			[ ] YES [ ] NO			

99A-9

FedEx *USA Airbill* FedEx Tracking Number 8155 1526 6125

0215 Sender's Copy

1 From *Please print and press hard*

Date 10/6/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Alan Cook Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference First 24 characters will appear on invoice

3 To

Recipient's Name Betsy Bauchup Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LA ROCHE AVE Dept./Floor/Suite/Room

We cannot deliver to PO Boxes or PO ZIP codes

To "HOLD" at FedEx location, print FedEx address here

City SAVANNAH State GA ZIP 31404

NEW Peel and Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability

0111962862

4a Express Package Service *Packages up to 150 lbs.* Delivery commitment may be later in some areas.

- [x] FedEx Priority Overnight Next business morning
- [ ] FedEx Standard Overnight Next business afternoon
- [ ] FedEx First Overnight Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* Second business day
- [ ] FedEx Express Saver* Third business day

* FedEx Letter Rate not available. Minimum charge: One pound rate

4b Express Freight Service *Packages over 150 lbs.* Delivery commitment may be later in some areas.

- [ ] FedEx 1Day Freight* Next business day
- [ ] FedEx 2Day Freight Second business day
- [ ] FedEx 3Day Freight Third business day

* Call for Confirmation

5 Packaging * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [x] Other Pkg. Includes FedEx Box, FedEx Tube, and customer pkg.

6 Special Handling

- [x] Saturday Delivery Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? Dry Ice must be checked

- [x] No
- [ ] Yes As per attached Shipper's Declaration
- [ ] Yes Shipper's Declaration not required
- [ ] Dry Ice Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous Goods cannot be shipped in FedEx packaging.

- [ ] Cargo Aircraft Only

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below

- [x] Sender Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	44	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details.

FedEx Use Only

8 Release Signature *Sign to authorize delivery without obtaining signature.*

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

359

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Serial Number 1 3110

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

- [x] 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: (954) 421-7400 — Fax: (954) 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
- [ ] 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Solutia Sauget Area 1	23540	Bill to Solutia

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
IL	John Judge	(314) 842-1550	(314) 842-3266

CLIENT NAME	CLIENT PROJECT MANAGER
Solutia	Kimberly Perry

CLIENT ADDRESS (CITY, STATE, ZIP): St. Louis, Mo

PAGE 1 OF 1

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES

- [x] STANDARD REPORT DELIVERY
- [ ] EXPEDITED REPORT DELIVERY (surcharge)

Date Due

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	SVOCs (8270C)	METALS (6010B)	MERCURY (7470A)	CYANIDE (9010B)	PCBs (600)	PESTS (8061A)	HERBS (8151A)						REMARKS
								Cool	Cool HNO3	Cool NaOH	Cool	Cool								
10/8/99	1230		EEG-112	X				2	2	1	2	4								
10/8/99	—		TEMP BLANK	X																

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
J. Campbell	9/28/99		[signature]	10/8/99	0800	John Judge	10/8/99	2000
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
[signature]	9/30/99		John Judge	10/8/99	0800	Fedex # 8155 1526 6136	10/8/99	2000

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			[ ] YES [ ] NO			

99A-11

FedEx *USA Airbill* FedEx Tracking Number 8155 1526 6136

02175 Sender's Copy

1 From *Please print and press hard*

Date 10/8/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Alan Cook Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference First 24 characters will appear on invoice

3 To

Recipient's Name Betsy Beauchamp Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LA ROCHE AVE Dept./Floor/Suite/Room

We cannot deliver to PO boxes or PO ZIP codes

To "HOLD" at FedEx location, print FedEx address here

City SAVANNAH State GA ZIP 31404

NEW Peel and Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability

0111962862

4a Express Package Service *Packages up to 150 lbs.* Delivery commitment may be later in some areas.

- [x] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One-pound rate.

4b Express Freight Service *Packages over 150 lbs.* Delivery commitment may be later in some areas.

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [x] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg.

6 Special Handling

- [x] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? One box must be checked.

- [x] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous Goods cannot be shipped in FedEx packaging.

- [ ] Cargo Aircraft Only

7 Payment *Bill to:*

- [x] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	41	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details.

FedEx Use Only

8 Release Signature *Sign to authorize delivery without obtaining signature.*

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

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RETAIN THIS COPY FOR YOUR RECORDS

Serial Number 1 000

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

[X] 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: (954) 421-7400 — Fax: (954) 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
[ ] 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

PROJECT REFERENCE	PROJECT NO.	P.O NUMBER
Solutia Sauget Area I	23518	Bill to Solutia

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
IL	John Judge	(314) 612-1550	(314) 612-3266

CLIENT NAME	CLIENT PROJECT MANAGER
Solutia	Kimberly Perry

CLIENT ADDRESS (CITY, STATE, ZIP): St. Louis, MO

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: VOCs (8270C) / METALS (6010C) MERCURY (7470A) / CYANIDE (9010B) / PCBs (8080) / PESTS (8081A) HERBS (8151A)

PAGE 1 OF 1

[X] STANDARD REPORT DELIVERY
[ ] EXPEDITED REPORT DELIVERY (surcharge)
Date Due:

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	(1 vol)	(1 vol HNO3)	(1 vol NaOH)	(1 vol)	(1 vol)						REMARKS
10/8/99	1515		EEG-104	X				2	2	1	2	4						
10/8/99	-		TEMP BLANK	X														

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
John Judge	10/8/99	2000						

RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
FedEx #8155 1526 6158	10/8/99	2000						

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			[ ] YES [ ] NO			

CLIENTS FIELD COPY

FedEx *USA Airbill* FedEx Tracking Number 8155 1526 6158

021 SDA11 Sender's Copy

1 From Please print and press hard

Date 10/8/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Alan Cook Phone (314) 842-4550

Company O'BRIEN & OERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference First 24 characters will appear on invoice

3 To

Recipient's Name Betsy Beauchamp Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LA ROCHE AVE Dept./Floor/Suite/Room

We cannot deliver to PO boxes or PO ZIP codes

To "HOLD" at FedEx location, print FedEx address here

City SAVANNAH State GA ZIP 31404

NEW Peel and Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

0111962862

4a Express Package Service *Packages up to 150 lbs.* Delivery commitment may be later in some areas.

- [x] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One-pound rate

4b Express Freight Service *Packages over 150 lbs.* Delivery commitment may be later in some areas.

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation:

5 Packaging * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [x] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg.

6 Special Handling

- [x] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? Our box must be checked

- [x] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ___ x ___ kg
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below

- [x] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	42	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details. FedEx Use Only

8 Release Signature Sign to authorize delivery without obtaining signature.

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

359

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RETAIN THIS COPY FOR YOUR RECORDS

CLIENT CHAIN OF CUSTODY | **SAMPLER'S SIGNATURE** | **Project/Quote 04939/9900001069**

From (1): Solutia, Inc.
575 Maryville Center Drive
St. Louis, MO 63141

Contact: Mr. Alan Cork
Phone: 314-674-3402
Fax: 314-674-8957

Project (1): Sauget Area 1 Support Sampling

P.O.# (1): _____

(SOL05 /FMS)

Data to be reported to the state of MO.

Analysis Wanted (2): Dioxin 8290

Total Number of Containers: 8

Turn Around Time (in Calendar Days):

Sample ID (3)	Date / Time	Preservation (4)	Matrix	Sample Amt.						Remarks
EEG 101	10/8/99 10:30	Cool, $Na_2S_2O_3$	WATER	2000 L	X					
EEG-112	10/8/99 12:30	Cool, $Na_2S_2O_3$	"	"	X					
EEG-104	10/8/99 15:45	Cool, $Na_2S_2O_3$	"	"	X					
SW-RAZ-S2 (POND)	10/8/99 1530	Cool, $Na_2S_2O_3$	"	"	X					

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
	10/8/99 16:30	Fedex #815717919645			

Received for Laboratory By/Signature	Date/Time	Send Samples to:
		Triangle Laboratories, Inc. **Attn: Sample Custodian** **801 Capitola Drive** **Durham, NC 27713 USA** **Phone: (919) 544-5729 • Fax: (919) 544-5491**

Directions:
(1) Provide and/or correct client and project information.
(2) Verify analysis, check approriate boxes for each sample.
(3) Enter the sample ID to be used when reporting the samples.
(4) Please indicate the preservation used for each sample.

FedEx *USA Airbill* FedEx Tracking Number 8157 4791 9645

8DA21

0215

Sender's Copy

1 From Please print and press hard

Date 10/6/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Tony Finch Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference First 24 characters will appear on invoice 23546.020.005

3 To Recipient's Name Frank Stevens Phone ( )

Company TRIANGLE LABORATORIES

Address 801 CAPITOLA DR Dept./Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes.

To "HOLD" at FedEx location, print FedEx address here

City DURHAM State NC ZIP 27713

NEW Peel and Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339).

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

0111963289

4a Express Package Service — Packages up to 150 lbs. Delivery commitment may be later in some areas.

- ☐ FedEx Priority Overnight — Next business morning
- ☐ FedEx Standard Overnight — Next business afternoon
- ☐ FedEx First Overnight — Earliest next business morning delivery to select locations
- ☐ FedEx 2Day* — Second business day
- ☐ FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One-pound rate.

4b Express Freight Service — Packages over 150 lbs. Delivery commitment may be later in some areas.

- ☐ FedEx 1Day Freight* — Next business day
- ☐ FedEx 2Day Freight — Second business day
- ☐ FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging — * Declared value limit $500

- ☐ FedEx Letter*
- ☐ FedEx Pak*
- ☒ Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg.

6 Special Handling

- ☒ Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- ☐ Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- ☐ HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- ☐ HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? One box must be checked.

- ☐ No
- ☐ Yes — As per attached Shipper's Declaration
- ☐ Yes — Shipper's Declaration not required
- ☐ Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous Goods cannot be shipped in FedEx packaging.

☐ Cargo Aircraft Only

7 Payment Bill to: Enter FedEx Acct. No. or Credit Card No. below

- ☒ Sender — Acct. No. in Section 1 will be billed
- ☐ Recipient
- ☐ Third Party
- ☐ Credit Card
- ☐ Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	43	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details.

FedEx Use Only

8 Release Signature Sign to authorize delivery without obtaining signature.

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

359

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RETAIN THIS COPY FOR YOUR RECORDS

Serial Number 1(355

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

- [x] 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: (954) 421-7400 — Fax: (954) 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
- [ ] 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Solutia Sauget Area 1	23516	Bill to Solutia

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE / FAX
IL	J Judge / AJ Kaiser	PHONE (314) 812-1550 / FAX (314) 812-3266

CLIENT NAME	CLIENT PROJECT MANAGER
Solutia	Kimberly Penny - Solutia

CLIENT ADDRESS (CITY, STATE, ZIP): St Louis, MO

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES — PAGE 1 OF 1

- [x] STANDARD REPORT DELIVERY
- [ ] EXPEDITED REPORT DELIVERY (surcharge)

Date Due:

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	PESTS (8081A)	HERBS (8151A)	CYANIDE (9010B)	METALS (6010B)	MERCURY (7470A)	SVOCs (8270C)	PCBs (680)						REMARKS
								Cool	Cool NaOH	Cool HNO3	Cool	Cool								
10/11/99	1130		EE6-110	X				4	1	2	2	2								
10/11/99	—		TEMP BLANK	X																

NUMBER OF CONTAINERS SUBMITTED

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]			[signature]	10/11/99	0800	[signature]	10/11/99	16:30
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
[signature]			[signature]	10/11/99	0800	Fed X 8155 1526 6342	10/11/99	1800

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			[ ] YES [ ] NO			

99A-17

CLIENTS FIELD COPY

FedEx *USA Airbill* FedEx Tracking Number 8155 1526 6342

Form I.D. No. 0215

1 From *Please print and press hard*

Date 10/11/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Alan Cork Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference First 24 characters will appear on invoice 23548.030.001

3 To Recipient's Name Betsy Beachup Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LA ROCHE AVE Dept./Floor/Suite/Room

We cannot deliver to PO boxes or PO ZIP codes

To "HOLD" at FedEx location, print FedEx address here

City SAVANNAH State GA ZIP 31404

[illegible]

See back for application instructions

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability

0111962862

4a Express Package Service — *Packages up to 150 lbs.* Delivery commitment may be later in some areas

- [X] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One-pound rate

4b Express Freight Service — *Packages over 150 lbs.* Delivery commitment may be later in some areas

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging — * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg

6 Special Handling

- [ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?

- [X] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging

7 Payment *Bill to:*

- [X] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	41	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details

FedEx Use Only

8 Release Signature — *Sign to authorize delivery without obtaining signature*

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims

359

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Serial Number 1[illegible]359

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

- [X] 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: (954) 421-7400 — Fax: (954) 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
- [ ] 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Solutia Sauget Area 1	23518	Bill to Solutia

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE / FAX
IL	J Judge / A J Kaiser	PHONE (314) 812-1550 / FAX (314) 812-3266

CLIENT NAME	CLIENT PROJECT MANAGER
Solutia	Kimberly Perry - Solutia

CLIENT ADDRESS (CITY, STATE, ZIP): St. Louis, MO

PAGE 1 OF 1

[X] STANDARD REPORT DELIVERY

[ ] EXPEDITED REPORT DELIVERY (surcharge)

Date Due

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	PEST. (8081A) / HERBs (8151A)	CYANIDE (9010B)	METALS (6010B) / MERCURY (7470A)	SVOCs (8270C)	PCBs (680)						REMARKS
								1	1	1	1	1						
								1	1	1	1	1						
10/11/94	1330		EFG-110 MSD	X				4	1	2	2	2						
10/11/94	—		TEMP BLANK	X														

NUMBER OF CONTAINERS SUBMITTED

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	10/11/94		[signature]	10/11/94	0800	[signature]	10/11/94	16:30
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
[signature]	9/30/94		[signature]	10/11/94	0800	Fed X # 8155 1526 6309	10/11/94	1800

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			[ ] YES [ ] NO			

99A-19

FedEx *USA Airbill* FedEx Tracking Number 8155 1526 6309

8DA11

Form I.D. No. 0215

1 From *Please print and press hard*

Date 10/11/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Alan Cook Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference First 24 characters will appear on invoice 23548.030.001

3 To Recipient's Name Betsy Beauchamp Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LA ROCHE AVE Dept./Floor/Suite/Room

We cannot deliver to PO boxes or PO ZIP codes

To "HOLD" at FedEx location, print FedEx address here

City SAVANNAH State GA ZIP 31404

NEW Peel and Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

4a Express Package Service — Packages up to 150 lbs. Delivery commitment may be later in some areas

- [X] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One-pound rate

4b Express Freight Service — Packages over 150 lbs. Delivery commitment may be later in some areas.

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging † Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg.

6 Special Handling

- [ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?

- [X] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging

7 Payment Bill to:

- [X] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	47	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details

FedEx Use Only

8 Release Signature Sign to authorize delivery without obtaining signature.

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

359

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RETAIN THIS COPY FOR YOUR RECORDS

Serial Number 1 3107

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: (954) 421-7400 — Fax: (954) 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
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Solutia Sangel Area	23518	Bill to Solutia

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE / FAX
	J Judge / AJ Kaiser	PHONE (314) 842-1550 FAX (314) 842-3266

CLIENT NAME	CLIENT PROJECT MANAGER
Solutia	Kimberly Perry - Solutia

CLIENT ADDRESS (CITY, STATE, ZIP): St. Louis, MO

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES — PAGE 1 OF 1

☒ STANDARD REPORT DELIVERY
☐ EXPEDITED REPORT DELIVERY (surcharge)
Date Due:

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	VOCs (8260B) (2) HCL	PESTS (8081A) HEXB (8151A) (1)	(CYANIDE (9010B) (1) NaOH	METALS (6010B) MERCURY (7470A) (1) HNO3	SVOCs (8270C) (1)	PCBs (8080) (1)					REMARKS
10/11/99	1330		EEG-110 MS	X				3	4	1	2	2	2					
10/11/99	1330		EEG-110 MSD	X				3										
10/11/99	0915		EEG-108	X				3										
10/11/99	1000		EEG-108DUP	X				3										
10/11/99	1130		EEG-110	X				3										
10/11/99	1500		EEG-109	X				3										
10/11/99	—		TEMP BLANK	X														
10/11/99	-		TRIP BLANK	X				3										

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	10/27/99		[signature]	10/11/99	0800	[signature]	10/11/99	16:30

RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
[signature]	10/29/99		[signature]	10/11/99	0800	FedX # 8155 1526 6320	10/11/99	1800

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			☐ YES ☐ NO			

99A-21

FedEx USA Airbill — FedEx Tracking Number: 8155 1526 6320

Form I.D. No. 0215

1 From Please print and press hard.

Date 10/11/99 — Sender's FedEx Account Number 1187-9587-3

Sender's Name Alan Cook — Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 — Dept./Floor/Suite/Room

City SAINT LOUIS — State MO — ZIP 63128

2 Your Internal Billing Reference First 24 characters will appear on invoice. 23548.030.001

3 To Recipient's Name Betsy Beachump — Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LA ROCHE AVE — Dept./Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes.

To "HOLD" at FedEx location, print FedEx address here

City SAVANNAH — State GA — ZIP 31404

NEW Pool and Stack FedEx USA Airbill

See back for application instructions.

Questions? Call 1-800-Go-FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

4a Express Package Service — Packages up to 150 lbs. Delivery commitment may be later in some areas.

- [X] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One-pound rate

4b Express Freight Service — Packages over 150 lbs. Delivery commitment may be later in some areas.

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging — * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg

6 Special Handling

- [ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?

- [X] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging

7 Payment Bill to:

- [X] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct No / Credit Card No — Exp Date

Total Packages	Total Weight	Total Declared Value†
1	45	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details.

FedEx Use Only

8 Release Signature Sign to authorize delivery without obtaining signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

359

0111962862

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RETAIN THIS COPY FOR YOUR RECORDS

Serial Number 304

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

- [x] 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: (954) 421-7400 — Fax: (954) 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
- [ ] 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Solutia Sauget Area 1	23518	Bill to Solutia

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE / FAX
IL	J Judge / AJ Kaiser	PHONE (314) 812-1550 / FAX (314) 812-3266

CLIENT NAME	CLIENT PROJECT MANAGER
Solutia	Kimberly Perry - Solutia

CLIENT ADDRESS (CITY, STATE, ZIP): St. Louis, MO

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES — PAGE 1 OF 1

- [x] STANDARD REPORT DELIVERY
- [ ] EXPEDITED REPORT DELIVERY (surcharge)

Date Due:

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	PESTs (8081A)	HERBs (8151A)	CYANIDE (9010B)	METALS (6010B)	MERCURY (7470A)	SVOCs (8270C)	PCBs (680)						REMARKS
								Cool	Cool	Cool	Cool	Cool	Cool	Cool						
								NUMBER OF CONTAINERS SUBMITTED												
10/11/99	1500		FE6-109	X				4	1	2	2	2								

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]			[signature]	10/11/99	0800	[signature]	10/11/99	10:30
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
[signature]			[signature]	10/11/99	0800	FedX # 8155 1526 6353	10/11/99	1800

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			[ ] YES [ ] NO			

CLIENTS FIELD COPY

FedEx *USA Airbill* FedEx Tracking Number 8155 1526 6353

No. 0215

1 From *Please print and press hard*

Date 10/11/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Alan Cook Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference First 24 characters will appear on invoice 23548.030.001

3 To

Recipient's Name Betsy Benkup Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LA ROCHE AVE Dept./Floor/Suite/Room

We cannot deliver to PO Boxes or PO ZIP Codes

To "HOLD" at FedEx location, print FedEx address here

City SAVANNAH State GA ZIP 31404

NEW Peel and Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

4a Express Package Service — Packages up to 150 lbs. Delivery commitment may be later in some areas

- [x] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One-pound rate

4b Express Freight Service — Packages over 150 lbs. Delivery commitment may be later in some areas

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [x] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg.

6 Special Handling

- [ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?

- [x] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous Goods cannot be shipped in FedEx packaging.

- [ ] Cargo Aircraft Only

7 Payment Bill to:

- [x] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	47	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details

FedEx Use Only

8 Release Signature *Sign to authorize delivery without obtaining signature*

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims

359

0111962862

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RETAIN THIS COPY FOR YOUR RECORDS

CLIENT CHAIN OF CUSTODY | **SAMPLER'S SIGNATURE** | **Project/Quote 04939/9900001069**

From (1): Solutia,Inc.
575 Maryville Center Drive
St. Louis, MO 63141

Contact: Mr. Alan Cork
Phone: 314-674-3402
Fax: 314-674-8957

Project (1): Sauget Area 1 Support Sampling

P.O.# (1): _____

(SOL05 /FMS)

Data to be reported to the state of MO.

Analysis Wanted (2): DIOXIN (8290)

Total Number of Containers: 10

Turn Around Time (In Calendar Days):

Sample ID (3)	Date / Time	Preservation (4)	Matrix	Sample Amt.	DIOXIN (8290)					Remarks
EEG-110MS	10/11/99 1330	Cool, $Na_2S_2O_3$	Ground Water	2l	X					
EEG-110MSD	10/11/99 1330	Cool, $Na_2S_2O_3$	Ground Water	2l	X					
EEG-108	10/11/99 0915	Cool, $Na_2S_2O_3$	Ground Water	2l	X					
EEG-108DUP	10/11/99 1000	Cool, $Na_2S_2O_3$	Ground Water	2l	X					
EEG-110	10/11/99 1130	Cool, $Na_2S_2O_3$	Ground Water	2l	X					
TEMP BLANK	—	Cool	Water	1						

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
	10/11/99 1800	Fed X # 8157 4791 9689			

Received for Laboratory By/Signature	Date/Time	Send Samples to:
		Triangle Laboratories, Inc. Attn: Sample Custodian 801 Capitola Drive Durham, NC 27713 USA Phone: (919) 544-5729 • Fax: (919) 544-5491

Directions:
(1) Provide and/or correct client and project information.
(2) Verify analysis, check approriate boxes for each sample.
(3) Enter the sample ID to be used when reporting the samples.
(4) Please indicate the preservation used for each sample.

FedEx *USA Airbill* FedEx Tracking Number 8157 4791 9689

Form I.D. No. 0215 SDA21

1 From Please print and press hard

Date 10/11/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Alan Cork Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference First 24 characters will appear on invoice 23546.030.001

3 To Recipient's Name Frank Stevens Phone ( )

Company TRIANGLE LABORATORIES

Address 801 CAPITOLA DR Dept./Floor/Suite/Room

We cannot deliver to PO boxes or PO ZIP codes

To "HOLD" at FedEx location, print FedEx address here

City DURHAM State NC ZIP 27713

NEW Peel and Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability

0111963289

4a Express Package Service — *Packages up to 150 lbs.* Delivery commitment may be later in some areas

- [X] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One-pound rate

4b Express Freight Service — *Packages over 150 lbs.* Delivery commitment may be later in some areas

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [X] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg. — Includes FedEx Box, FedEx Tube and customer pkg

6 Special Handling

- [ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? One box must be checked

- [X] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ..... x ..... kg
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below

- [X] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	52	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details. FedEx Use Only

8 Release Signature *Sign to authorize delivery without obtaining signature*

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims

359

SRP 999 • Rev. Date 11/98 • Part # 1548135 • © 1994-98 FedEx • PRINTED IN U.S.A.

RETAIN THIS COPY FOR YOUR RECORDS

CLIENT CHAIN OF CUSTODY **SAMPLER'S SIGNATURE** [signature] **Project/Quote 04939/9900001069**

From (1): Solutia,Inc.
575 Maryville Center Drive
St. Louis, MO 63141

Project (1): Sauget Area 1 Support Sampling

Contact: Mr. Alan Cork
Phone: 314-674-3402
Fax: 314-674-8957
P.O.# (1): Dave Ball Solutia

(SOL05 /FMS)

Data to be reported to the state of MO.

Analysis Wanted (2): TCLP 8260A, Dioxins, Dioxin 8290

Total Number of Containers: 5

Turn Around Time (In Calendar Days):

Sample ID (3)	Date / Time	Preservation (4)	Matrix	Sample Amt.						Remarks
WASTE-G-B3-Comp	10/11/99 1030	Cooled w/ice	Soil	1-liter	X					
WASTE-G-B3-Comp Dup	10/11/99 1030	Cooled w/ice	Soil	1-liter	X					
EEG-109	10/11/99 1500	Cool, $Na_2S_2O_3$	Water	2-liters		X				
SED-RA2-S2	10/9/99 1030	Cool	Sediment	1-liter		X				

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
[signature]	10/11/99 1740	FedEx #815747919586			

Received for Laboratory By/Signature	Date/Time	Send Samples to: Triangle Laboratories, Inc. Attn: Sample Custodian 801 Capitola Drive Durham, NC 27713 USA Phone: (919) 544-5729 • Fax: (919) 544-5491

Directions:
(1) Provide and/or correct client and project information.
(2) Verify analysis, check approriate boxes for each sample.
(3) Enter the sample ID to be used when reporting the samples.
(4) Please indicate the preservation used for each sample.

FedEx USA Airbill FedEx Tracking Number 8157 4791 9586

Form I.D. No. 0215

1 From Please print and press hard

Date 10/11/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name TONY FINCH Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference First 24 characters will appear on invoice. 23518.020.005

3 To Recipient's Name Frank Stevens Phone ( )

Company TRIANGLE LABORATORIES

Address 801 CAPITOLA DR

We cannot deliver to PO boxes or PO ZIP codes Dept./Floor/Suite/Room

To "HOLD" at FedEx location, print FedEx address here.

City DURHAM State NC ZIP 27713

NEW Peel and Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

0111963289

4a Express Package Service Packages up to 150 lbs. Delivery commitment may be later in some areas

- [X] FedEx Priority Overnight Next business morning
- [ ] FedEx Standard Overnight Next business afternoon
- [ ] FedEx First Overnight Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* Second business day
- [ ] FedEx Express Saver* Third business day

* FedEx Letter Rate not available. Minimum charge: One-pound rate

4b Express Freight Service Packages over 150 lbs. Delivery commitment may be later in some areas

- [ ] FedEx 1Day Freight* Next business day
- [ ] FedEx 2Day Freight Second business day
- [ ] FedEx 3Day Freight Third business day

* Call for Confirmation

5 Packaging * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg. Includes FedEx Box, FedEx Tube, and customer pkg.

6 Special Handling

- [ ] Saturday Delivery Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? One box must be checked

- [X] No
- [ ] Yes As per attached Shipper's Declaration
- [ ] Yes Shipper's Declaration not required
- [ ] Dry Ice Dry Ice, 9, UN 1845 ___ x ___ kg
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging

7 Payment Bill to: Enter FedEx Acct. No. or Credit Card No. below

- [X] Sender Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	24	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details. FedEx Use Only

8 Release Signature Sign to authorize delivery without obtaining signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims

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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: (954) 421-7400 — Fax: (954) 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
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
[illegible]	[illegible]	[illegible]

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
L	[illegible] ST	[illegible]	[illegible]

CLIENT NAME	CLIENT PROJECT MANAGER
[illegible]	[illegible]

CLIENT ADDRESS (CITY, STATE, ZIP): [illegible]

MATRIX TYPE — REQUIRED ANALYSES — PAGE 1 OF 1

☒ STANDARD REPORT DELIVERY
☐ EXPEDITED REPORT DELIVERY (surcharge)
Date Due: _____

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (oil, solvent, etc)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	REMARKS
								Cool	Cool	Cool	Cool	Cool	Cool	Cool	Cool	Cool	
10/12/99	9AM		EE-01	X				3	2	1	1	1	2	2	2		
10/12/99	1615		EE-03	X				3									
10/12/99	—		TRIP BLANK	X				3									
10/12/99	—		TEMP BLANK	X													

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS [illegible]	10/12/99	19:30						

RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
FedX 8155 1520 6396 EMPTY CONTAINERS	10/13/99	1800						

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS
[illegible]	[illegible]	[illegible]	☐ YES ☐ NO	[illegible]	[illegible]	[illegible]

CLIENTS FIELD COPY

SDA11

FedEx *USA Airbill* FedEx Tracking Number 8155 1526 6386 Form I.D. No. 0215

1 From *Please print and press hard*

Date 10/12/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Alan Cook Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference First 24 characters will appear on invoice 23546.030.001

3 To Recipient's Name Betsy Beachamp Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LA ROCHE AVE
We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept./Floor/Suite/Room

To "HOLD" at FedEx location, print FedEx address here

City SAVANNAH State GA ZIP 31404

NEW YORK NY 10017-1814

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)
Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

0111962862

4a Express Delivery — **Packages up to 150 lbs.** Delivery commitment may be later in some areas

[X] FedEx Priority Overnight Next business morning
[ ] FedEx Standard Overnight Next business afternoon
[ ] FedEx First Overnight Earliest next business morning delivery to select locations
[ ] FedEx 2Day* Second business day
[ ] FedEx Express Saver* Third business day

* FedEx Letter Rate not available. Minimum charge: One pound rate

4b Express Freight — **Packages over 150 lbs.** Delivery commitment may be later in some areas

[ ] FedEx 1Day Freight* Next business day
[ ] FedEx 2Day Freight Second business day
[ ] FedEx 3Day Freight Third business day

* Call for Confirmation

5 Package — * Declared value limit $500

[ ] FedEx Letter*
[ ] FedEx Pak*
[X] Other Pkg Includes FedEx Box, FedEx Tube, and customer pkg

6 Special Handling

[ ] Saturday Delivery Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
[ ] Sunday Delivery Available for FedEx Priority Overnight to select ZIP codes
[ ] HOLD Weekday at FedEx Location Not available with FedEx First Overnight
[ ] HOLD Saturday at FedEx Location Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?

[X] No
[ ] Yes As per attached Shipper's Declaration
[ ] Yes Shipper's Declaration not required
[ ] Dry Ice Dry Ice, 9, UN 1845 kg
[ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging

7 Payment *Bill to:*

[X] Sender Acct. No. in Section 1 will be billed
[ ] Recipient
[ ] Third Party
[ ] Credit Card
[ ] Cash/Check

FedEx Acct. No. Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	43	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details.

FedEx Use Only

8 Release Signature *Sign to authorize delivery without obtaining signature*

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

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99A-30

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: (954) 421-7400 — Fax: (954) 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
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE: SOLUTIA SAUGET AREA 1
PROJECT NO: 23548
PO NUMBER: DIRECT BILL TO SOLUTIA
PROJECT LOC (State): IL
SAMPLER(s) NAME: A J KIASER / J.M. JUDGE
PHONE: (314) 942-4550
FAX: (314) 942-3266
CLIENT NAME: SOLUTIA
CLIENT PROJECT MANAGER: KIMBERLY PERRY - SOLUTIA
CLIENT ADDRESS (CITY, STATE, ZIP): ST. LOUIS, MO

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc.)

REQUIRED ANALYSES: SVOC 8270C / METALS 7470A / CYANIDE 9010 / PCBS 680 / RCRA METALS 6010A

PAGE ___ OF ___

☒ STANDARD REPORT DELIVERY
☐ EXPEDITED REPORT DELIVERY (surcharge)
Date Due

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (oil, solvent, etc.)	NUMBER OF CONTAINERS SUBMITTED									REMARKS
								HCL	—	HNO3	NaOH	—	—				
10/12/99	4:15PM		EE-01 *					2	1	1	2	4					* ID Should read EE-03 per A. Cook 10/15/99 BB

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY (SIGNATURE)	DATE	TIME	RELINQUISHED BY (SIGNATURE)	DATE	TIME
Karen Hayes	10/12/99	14:30						
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY (SIGNATURE)**	**DATE**	**TIME**
FedEx 815515266397	10/12/99	19:30	J Swofford	10/13/99	9:15			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO	SL LOG NO.	LABORATORY REMARKS:
J Swofford	10/13/99	9:15	☒ ☐		91146	

SDA11

FedEx USA Airbill FedEx Tracking Number 8155 1526 6397 Form I.D. No. 0215

1 From Please print and press hard

Date 10/11/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name ALAN CORK Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference First 24 characters will appear on invoice 23548.030.001

3 To Recipient's Name BETSY BEAUCHAMP Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LA ROCHE AVE Dept./Floor/Suite/Room

We cannot deliver to PO Boxes or PO ZIP Codes

To "HOLD" at FedEx location, print FedEx address here

City SAVANNAH State GA ZIP 31404

See back for application instructions

Questions? Call 1·800·Go·FedEx* (800·463·3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability

4a Express Package Service — **Packages up to 150 lbs.** Delivery commitment may be later in some areas

- [X] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One pound rate

4b Express Freight Service — **Packages over 150 lbs.** Delivery commitment may be later in some areas

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Package Type — * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg — Includes FedEx Box, FedEx Tube, and customer pkg

6 Special Handling

- [ ] **Saturday Delivery** — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] **Sunday Delivery** — Available for FedEx Priority Overnight to select ZIP codes
- [ ] **HOLD Weekday at FedEx Location** — Not available with FedEx First Overnight
- [ ] **HOLD Saturday at FedEx Location** — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?

- [X] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ___ kg

Dangerous Goods cannot be shipped in FedEx packaging

- [ ] Cargo Aircraft Only

7 Payment Bill to:

- [X] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. / Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	47	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details

FedEx Use Only

8 Release Signature — Sign to authorize delivery without obtaining signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims

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0111962862

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99A-32

CLIENT CHAIN OF CUSTODY **SAMPLER'S SIGNATURE** [signature] **Project/Quote 04939/9900001069**

From (1): Solutia,Inc.
575 Maryville Center Drive
St. Louis, MO 63141
Project (1): Sauget Area 1 Support Sampling

Contact: Mr. Alan Cork
Phone: 314-674-3402
Fax: 314-674-8957
P.O.# (1): Direct Bill to Solutia

(SOL05 /FMS) Data to be reported to the state of MO.

Analysis Wanted (2): TCLP Dioxins | Dioxin (8290)

Total Number of Containers:

Turn Around Time (In Calendar Days):

Sample ID (3)	Date / Time	Preservation (4)	Matrix	Sample Amt.	TCLP Dioxins	Dioxin (8290)				Remarks
WASTE-B4-Comp G	10/12/99 1040	Cool to 4° C	soil	1 liter	X					
EE-01	10/12/99 0900	$Na_2S_2O_3$ Cool to 4° C	water	2, 1 liter		X				
EE-03	10/12/99 1615	$Na_2S_2O_3$ Cool to 4° C	water	2, 1 liter		X				
Temp blank	10/12/99	—	water							

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
[signature]	19.30 10-12-99	FEDEX #8157479 1 9690			

Received for Laboratory By/Signature	Date/Time	Send Samples to: Triangle Laboratories, Inc. Attn: Sample Custodian 801 Capitola Drive Durham, NC 27713 USA Phone: (919) 544-5729 • Fax: (919) 544-5491

Directions:
(1) Provide and/or correct client and project information.
(2) Verify analysis, check approriate boxes for each sample.
(3) Enter the sample ID to be used when reporting the samples.
(4) Please indicate the preservation used for each sample.

FedEx USA Airbill FedEx Tracking Number 8157 4791 9690

SDA21

Form I.D. No. 0215

1 From Please print and press hard

Date 10/12/99

Sender's FedEx Account Number 1187-9587-3

Sender's Name Tony Finch

Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211

City SAINT LOUIS State MO ZIP 63128

Dept/Floor/Suite/Room

2 Your Internal Billing Reference
First 24 characters will appear on invoice

3 To

Recipient's Name Frank Stevens

Phone ( )

Company TRIANGLE LABORATORIES

Address 801 CAPITOLA DR

We cannot deliver to P.O. boxes or P.O. ZIP codes

Dept/Floor/Suite/Room

To "HOLD" at FedEx location, print FedEx address here

City DURHAM State NC ZIP 27713

[redacted]

See back for application instructions

Questions? Call 1·800·Go·FedEx* (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability

0111963289

4a Express Package Service

Packages up to 150 lbs. Delivery commitment may be later in some areas

- [X] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge. One pound rate

4b Express Freight Service

Packages over 150 lbs. Delivery commitment may be later in some areas

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation.

5 Packaging

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg — Includes FedEx Box, FedEx Tube, and customer pkg

* Declared value limit $500

6 Special Handling

- [ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?

- [X] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging

7 Payment Bill to:

- [X] Sender — Acct No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct No. / Credit Card No.

Exp Date

Total Packages	Total Weight	Total Declared Value†
1	25	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details.

FedEx Use Only

8 Release Signature Sign to authorize delivery without obtaining signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

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Serial Number 1 44

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: (954) 421-7400 — Fax: (954) 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
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Solutia Sugar Ave I	23518	Pillsbury Solutia

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
IL	A. Cook / TA Thompson	(314) 612-1550	(314) 612 3266

CLIENT NAME	CLIENT PROJECT MANAGER
Solutia	Kimberly Perry Solutia

CLIENT ADDRESS (CITY, STATE, ZIP): St. Louis, MO

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: PAGE 1 OF 1

☒ STANDARD REPORT DELIVERY
☐ EXPEDITED REPORT DELIVERY (surcharge)
Date Due

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	VOCs (8260B) 1 1CL	PESTS (8081A) 1 (oz)	HERBS (8151A) 1 (oz)	SVOCs (8270C) 1 (oz)	PCBs (8082) 1 (oz)	METALS (6010B) 1 1HNO3	MERCURY (7470A) 1 (oz) 1HNO3	CYANIDE (9010B) 1 (oz) NaOH	REMARKS
10/13/99	0915		EE-04	X				3	4	2	2	1	1	1		
10/13/99	0915		EE-04 DUP	X				3								
10/13/99	1300		EE-05	X				3								
10/13/99	1300		EE-05 MS	X				3								
10/13/99	1300		EE-05 MSD	X				3								
10/13/99	1120	VGW	EE-04-60FT	X				3								
10/13/99	1400		EE-05 EB	X				3								
10/13/99	–		TRIPBLANK													
10/13/99	–		TEMPBLANK													

99A-35

CLIENTS FIELD COPY

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	9/20/99		[signature]	10/13/99	0800			

RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
[signature]	9/20/99					FedEx #8155 1526 6423	10/13/99	1800

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			☐ YES ☐ NO			

FedEx *USA Airbill* FedEx Tracking Number 8155 1526 6423

Sender's Copy

1 From (Please print and press hard)

Date 10/13/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Alan Cook Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference (First 24 characters will appear on invoice) 23546.030.001

3 To

Recipient's Name Betsy Beachump Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LA ROCHE AVE (We cannot deliver to P.O. boxes or P.O. ZIP codes) Dept./Floor/Suite/Room

To "HOLD" at FedEx location, print FedEx address here

City SAVANNAH State GA ZIP 31404

NEW Peel and Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

0111962862

4a Express Package Service — Packages up to 150 lbs. (Delivery commitment may be later in some areas)

- [x] FedEx Priority Overnight (Next business morning)
- [ ] FedEx Standard Overnight (Next business afternoon)
- [ ] FedEx First Overnight (Earliest next business morning delivery to select locations)
- [ ] FedEx 2Day* (Second business day)
- [ ] FedEx Express Saver* (Third business day)

* FedEx Letter Rate not available. Minimum charge: One-pound rate

4b Express Freight Service — Packages over 150 lbs. (Delivery commitment may be later in some areas)

- [ ] FedEx 1Day Freight* (Next business day)
- [ ] FedEx 2Day Freight (Second business day)
- [ ] FedEx 3Day Freight (Third business day)

* Call for Confirmation

5 Packaging (Declared value limit $500)

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [x] Other Pkg. (Includes FedEx Box, FedEx Tube, and customer pkg.)

6 Special Handling

- [ ] Saturday Delivery (Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes)
- [ ] Sunday Delivery (Available for FedEx Priority Overnight to select ZIP codes)
- [ ] HOLD Weekday at FedEx Location (Not available with FedEx First Overnight)
- [ ] HOLD Saturday at FedEx Location (Available for FedEx Priority Overnight and FedEx 2Day to select locations)

Does this shipment contain dangerous goods? (One box must be checked)

- [x] No
- [ ] Yes (As per attached Shipper's Declaration)
- [ ] Yes (Shipper's Declaration not required)
- [ ] Dry Ice (Dry Ice, 9, UN 1845 ____ x ____ kg)
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging

7 Payment Bill to:

- [X] Sender (Acct. No. in Section 1 will be billed)
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	46	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details

FedEx Use Only

8 Release Signature (Sign to authorize delivery without obtaining signature)

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

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CLIENT CHAIN OF CUSTODY SAMPLER'S SIGNATURE [signature] Project/Quote 04939/9900001069

From (1): Solutia, Inc.
575 Maryville Center Drive
St. Louis, MO 63141
Project (1): Sauget Area 1 Support Sampling

Contact: Mr. Alan Cork
Phone: 314-674-3402
Fax: 314-674-8957
P.O.# (1): Direct Bill Solutia

(SOL05 /FMS)

Data to be reported to the state of MO.

Analysis Wanted (2): Dioxins 0200A, Dioxin (8290)

Total Number of Containers: ~~4~~ 8

Turn Around Time (In Calendar Days):

Sample ID (3)	Date / Time	Preservation (4)	Matrix	Sample Amt.	Dioxins 0200A	Dioxin (8290)				Remarks
WASTE-I-B1 (0-0.5')	10/13/99 1125	Cooled on ice	Soil	1 LT.	X					
WASTE-I-B1 (0-0.5') MS/MSD	10/13/99 1330	↓	↓	↓	X					
WASTE-I-B2 (0-0.5')	10/13/99 1045	↓	↓	↓	X					
WASTE-I-B3 (0-0.5')	10/13/99 1200	↓	↓	↓	X					
EE-04 DUP	10/13/99 0915	$Na_2S_2O_3$; cool	water	2 l		X				
EE-04	10/13/99 0915	$Na_2S_2O_3$, cool	water	2 l		X				
Temp Blank		cool	water	40 ml						

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
[signature]	10/13/99 1900	Fax# 815747920030			

Received for Laboratory By/Signature	Date/Time
Bill Hunt	10/14/99 1000

Send Samples to: **Triangle Laboratories, Inc.**
Attn: Sample Custodian
801 Capitola Drive
Durham, NC 27713 USA
Phone: (919) 544-5729 • Fax: (919) 544-5491

Directions:
(1) Provide and/or correct client and project information.
(2) Verify analysis, check approriate boxes for each sample.
(3) Enter the sample ID to be used when reporting the samples.
(4) Please indicate the preservation used for each sample.

LIENT CHAIN OF CUSTODY **SAMPLER'S SIGNATURE** Karen S Thompson **Project/Quote 04939/9900001069**

From (1): Solutia, Inc.
575 Maryville Center Drive
St. Louis, MO 63141

Project (1): Sauget Area 1 Support Sampling

Contact: Mr. Alan Cork
Phone: 314-674-3402
Fax: 314-674-8957
P.O.# (1): _____

(SOL05 /FMS)

Data to be reported to the state of MO.

Analysis Wanted (2): Dioxin (8290)

Total Number of Containers: 10

Turn Around Time (In Calendar Days):

Sample ID (3)	Date / Time	Preservation (4)	Matrix	Sample Amt.	Dioxin (8290)					Remarks
UGGW/EE04-60ft	10/13/99/1620	$Na_2S_2O_3$, cool	water	2 l	X					
EE-05MSD	10/13/99 1300	$Na_2S_2O_3$, cool	water	2 l	X					
EE-05MS	10/13/99 1300	$Na_2S_2O_3$, cool	water	2 l	X					
EE-05	10/13/99 1300	$Na_2S_2O_3$, cool	water	2 l	X					
EE-05EB	10/13/99 1600	$Na_2S_2O_3$, cool	water	2 l	X					
Temp Blank										

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
Karen S Thompson	10/13/99 1900	FedEx# 8157-4792-0010			

Received for Laboratory By/Signature	Date/Time	Send Samples to:
		Triangle Laboratories, Inc. Attn: Sample Custodian 801 Capitola Drive Durham, NC 27713 USA Phone: (919) 544-5729 • Fax: (919) 544-5491

Directions:
(1) Provide and/or correct client and project information.
(2) Verify analysis, check approriate boxes for each sample.
(3) Enter the sample ID to be used when reporting the samples.
(4) Please indicate the preservation used for each sample.

FedEx *USA Airbill* FedEx Tracking Number 8157 4792 0010

BDA21 0215

1 From *Please print and press hard*

Date 10/13/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Alan Cork Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference First 24 characters will appear on invoice

3 To

Recipient's Name Frank Stevens Phone (919) 544-5729

Company TRIANGLE LABORATORIES

Address 801 CAPITOLA DR

We cannot deliver to PO boxes or PO ZIP codes. Dept./Floor/Suite/Room

to HOLD at FedEx location, print FedEx address here

City DURHAM State NC ZIP 27713

NEW Peel and Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability

0111963289

4a Express Package Service *Packages up to 150 lbs.* Delivery commitment may be later in some areas

- [X] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One-pound rate

4b Express Freight Service *Packages over 150 lbs.* Delivery commitment may be later in some areas

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg — Includes FedEx Box, FedEx Tube, and customer pkg

6 Special Handling

- [ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?

- [X] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous Goods cannot be shipped in FedEx packaging

- [ ] Cargo Aircraft Only

7 Payment *Bill to:* (enter FedEx Acct. No. or Credit Card No. below)

- [X] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	55	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details

FedEx Use Only

8 Release Signature Sign to authorize delivery without obtaining signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

[X] 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: (954) 421-7400 — Fax: (954) 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
[ ] 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Solutia Sugar Area 1	23518	Bill to Solutia

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE / FAX
IL	A) Cook/PA Thompson	PHONE (314) 812-1550 / FAX (314) 812-3266

CLIENT NAME	CLIENT PROJECT MANAGER
Solutia	[illegible] / Perry / Solutia

CLIENT ADDRESS (CITY, STATE, ZIP): St. Louis, MO

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES — PAGE 1 OF 1

[X] STANDARD REPORT DELIVERY
[ ] EXPEDITED REPORT DELIVERY (surcharge)
Date Due

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	PESTS (8081A)	HERBS (8151A)	SVOCs (8270C)	PCBs (680)	METALS (6010B)	MERCURY (7470A)	CYANIDE (9010B)					REMARKS
								1001	1001	1001	1001 HNO3	1001 HNO3	1001 NaOH						
10/13/99	1300		EE-05	X				4	2	2	1	1	1						
10/13/99	–		TEMP BLANK	X															

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]			[signature]	10/13/99	1800			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
[signature]			Telx # 8155 1526 6156	10/13/99	1800			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			[ ] YES [ ] NO			

CLIENTS FIELD COPY

FedEx *USA Airbill* FedEx Tracking Number 8155 1526 6456

Form I.D. No. 0215 SDA11

1 From *Please print and press hard*

Date 10/13/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Alan Cook Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference First 24 characters will appear on invoice 23548.030.001

3 To Recipient's Name Betsy Bechtup Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LA ROCHE AVE Dept./Floor/Suite/Room

We cannot deliver to PO boxes or PO ZIP codes

To "HOLD" at FedEx location, print FedEx address here

City SAVANNAH State GA ZIP 31404

NEW Red and Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability

4a Express Package Service — *Packages up to 150 lbs.* Delivery commitment may be later in some areas

- [x] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge. One pound rate

4b Express Freight Service — *Packages over 150 lbs.* Delivery commitment may be later in some areas

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging — *Declared value limit $100

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [x] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg

6 Special Handling

- [ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?

- [x] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging

7 Payment *Bill to:*

- [x] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	48	$ 00

†Our liability is limited to $100 unless you declare a higher value. See back for details. FedEx Use Only

8 Release Signature *Sign to authorize delivery without obtaining signature*

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims

359

0111962862

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RETAIN THIS COPY FOR YOUR RECORDS

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: (954) 421-7400 — Fax: (954) 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
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

PROJECT REFERENCE	PROJECT NO.	PO NUMBER
Solutia Sauget Area I	23818	Bill to Solutia

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
IL	A Cook / A Thompson	(314) 842-1550	(314) 842-3266

CLIENT NAME	CLIENT PROJECT MANAGER
Solutia	Kimberly Ferry Solutia

CLIENT ADDRESS (CITY, STATE, ZIP): St. Louis, MO

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES — PAGE 1 of 1

☒ STANDARD REPORT DELIVERY
☐ EXPEDITED REPORT DELIVERY (surcharge)
Date Due

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	VOCs (8260B) (1 ml)	SVOCs (8270C) (100 ml)	PCBs (8082) (1 ml)	METALS (6010B) (100 ml HNO3)	MERCURY (7470A) (100 ml HNO3)	CYANIDE (9010B) (100 ml NaOH)	REMARKS
10/13/99	1300		EE-05 MS	X				4	2	2	1	1	1	
10/13/99	-		TEMP BLANK	X										

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
S. Campbell			[signature]	10/13/99	1600			

RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
[signature]			Fedex # 8155 1526 6167	10/13/99	1600			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			☐ YES ☐ NO			

CLIENTS FIELD COPY

FedEx *USA Airbill* FedEx Tracking Number 8155 1526 6467

SDA11

Form I.D. No. 0215

1 From *Please print and press hard*

Date 10/13/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Alan Cuk Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference First 24 characters will appear on invoice 23548.030.001

3 To Recipient's Name Betsy Beachup Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LA ROCHE AVE Dept./Floor/Suite/Room

We cannot deliver to PO boxes or PO ZIP codes

To "HOLD" at FedEx location, print FedEx address here

City SAVANNAH State GA ZIP 31404

NEW Peel and Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability

0111962862

4a Express Package Service — *Packages up to 150 lbs.* Delivery commitment may be later in some areas

- [X] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge. One-pound rate

4b Express Freight Service — *Packages over 150 lbs.* Delivery commitment may be later in some areas

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg — Includes FedEx Box, FedEx Tube, and customer pkg

6 Special Handling

- [ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? Only one box checked

- [X] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging

7 Payment *Bill to:* For FedEx Acct. No. or Credit Card No. below

- [X] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	42	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details. FedEx Use Only

8 Release Signature *Sign to authorize delivery without obtaining signature*

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims

359

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RETAIN THIS COPY FOR YOUR RECORDS

Serial Number 1 [illegible]

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

- [x] 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: (954) 421-7400 — Fax: (954) 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
- [ ] 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Solutia Sangat Area 1	23548	[illegible] Solutia

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE / FAX
IL	A J Cook / DA Thompson	PHONE (314) 842-4550 / FAX (314) 842-3266

CLIENT NAME	CLIENT PROJECT MANAGER
Solutia	[illegible] Solutia

CLIENT ADDRESS (CITY, STATE, ZIP): St Louis, Mo

PAGE 1 OF 1

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES

- [x] STANDARD REPORT DELIVERY
- [ ] EXPEDITED REPORT DELIVERY (surcharge)

Date Due

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	TESTS (8081A) HERBS (8151A)	GVOCs (8270C)	PCBs (8080)	METALS (6010B)	MERCURY (7470A)	CYANIDE (9010B)					REMARKS
								Cool	Cool	Cool	Cool HNO3	Cool HNO3	Cool NaOH					
10/13/99	1300		EE-05 MSD	X				4	2	2	1	1	1					
10/13/99	—		TEMP BLANK	X														

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
S. Campbell			[signature]	10/13/99	1800			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
[signature]			Fed X # 8155 1526 6478	10/13/99	1800			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			[ ] YES [ ] NO			

CLIENTS FIELD COPY

99A-44

FedEx. USA Airbill FedEx Tracking Number 8155 1526 6478

0219 Sender's Copy

1 From Please print and press hard

Date 10/13/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Alan Cook Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference First 24 characters will appear on invoice 23548.030.001

3 To Recipient's Name Betty Benchop Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LA ROCHE AVE Dept./Floor/Suite/Room

To "HOLD" at FedEx location, print FedEx address here.

City SAVANNAH State GA ZIP 31404

NEW Peel and Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

4a Express Package Service — Packages up to 150 lbs. Delivery commitment may be later in some areas

- [x] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One-pound rate.

4b Express Freight Service — Packages over 150 lbs. Delivery commitment may be later in some areas

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation:

5 Packaging

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [x] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg.

* Declared value limit $500

6 Special Handling

- [ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? One box must be checked

- [x] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous Goods cannot be shipped in FedEx packaging

- [ ] Cargo Aircraft Only

7 Payment Bill to: Enter FedEx Acct. No. or Credit Card No. below

- [x] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	48	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details.

FedEx Use Only

8 Release Signature Sign to authorize delivery without obtaining signature.

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

359

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Serial Number 1 [illegible]

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: (954) 421-7400 Fax: (954) 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
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 Phone: (504) 764-1100 Fax: (504) 725-1163

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Solutia Sauget Area 1	23518	Bill to Solutia

PROJECT LOC. (State): IL
SAMPLER(s) NAME: AJ Cook / DA Thompson
PHONE: (314) 812-1550
FAX: (314) 812-3266
CLIENT NAME: Solutia
CLIENT PROJECT MANAGER: Kimberly Perry - Solutia
CLIENT ADDRESS (CITY, STATE, ZIP): St. Louis, MO

PAGE 1 OF 1

☒ STANDARD REPORT DELIVERY
☐ EXPEDITED REPORT DELIVERY (surcharge)
Date Due

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES — NUMBER OF CONTAINERS SUBMITTED

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	PESTS (8081A)	HERBS (8151A)	SVOCs (8270C)	PCBs (680)	METALS (6010B)	MERCURY (7470A)	CYANIDE (9010B)					REMARKS
								Cool	Cool	Cool	Cool HNO3	Cool HNO3	Cool NaOH						
10/13/99	1600		FF.05 EB	X				4	2	2	1	1	1						
10/13/99	–		TEMP BLANK	X															

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]			[signature]	10/13/99	1800			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
[signature]			Fed X# 8155 1526 6134	10/13/99	1800			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			☐ YES ☐ NO			

CLIENTS FIELD COPY

99A-46

FedEx *USA Airbill* FedEx Tracking Number 8155 1526 6434

0215 Shipper's Copy

1 From Please print and press hard

Date 10/13/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Alan Cook Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference First 24 characters will appear on invoice 23548.030.001

3 To Recipient's Name Betsy Bentley Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LA ROCHE AVE Dept./Floor/Suite/Room

We cannot deliver to PO Boxes or PO ZIP codes

To "HOLD" at FedEx location, print FedEx address here.

City SAVANNAH State GA ZIP 31404

NEW Peel and Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability

4a Express Package Service — Packages up to 150 lbs. Delivery commitment may be later in some areas

- [x] FedEx Priority Overnight Next business morning
- [ ] FedEx Standard Overnight Next business afternoon
- [ ] FedEx First Overnight Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* Second business day
- [ ] FedEx Express Saver* Third business day

* FedEx Letter Rate not available. Minimum charge: One pound rate

4b Express Freight Service — Packages over 150 lbs. Delivery commitment may be later in some areas

- [ ] FedEx 1Day Freight* Next business day
- [ ] FedEx 2Day Freight Second business day
- [ ] FedEx 3Day Freight Third business day

* Call for Confirmation

5 Packaging — * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [x] Other Pkg Includes FedEx Box, FedEx Tube, and customer pkg

6 Special Handling

- [ ] Saturday Delivery Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contains dangerous goods?

- [x] No
- [ ] Yes As per attached Shipper's Declaration
- [ ] Yes Shipper's Declaration not required
- [ ] Dry Ice Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous Goods cannot be shipped in FedEx packaging

- [ ] Cargo Aircraft Only

7 Payment Bill to:

- [x] Sender Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	42	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details.

FedEx Use Only

8 Release Signature Sign to authorize delivery without obtaining signature.

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

359

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& 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
[ ] 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
[ ] 100 Alpha Drive, Suite 110, Destrehan, LA 70047 Phone: (504) 764-1100 Fax: (504) 725-1163

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE: Sidney Savannah Arsenal
PROJECT NO: [illegible]
PO NUMBER: [illegible]
PROJECT LOC. (State): -
SAMPLER(s) NAME: TONY [illegible]
PHONE: 314 842 4550
FAX: 314 842 3966
CLIENT NAME: Solution
CLIENT PROJECT MANAGER: [illegible] Solution
CLIENT ADDRESS (CITY, STATE, ZIP): St. Louis MO

PAGE 1 OF 1

[X] STANDARD REPORT DELIVERY
[ ] EXPEDITED REPORT DELIVERY (surcharge)
Date Due

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES — NUMBER OF CONTAINERS SUBMITTED

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	[illegible] 8270	[illegible]	[illegible]	[illegible]	PCBs 680	Pesticides 8081A	Herbicides 8151A	VOCs 8260			REMARKS
11/2/99	1435		EEG-105-GP	X				2	1	1	1	2	2	2	3			
11/2/99	1435		MS/MSD EEG-105-GP	X											3			
11/2/99	-		Trip Blank	X											3			
-	-		Temp Blank	X														
11/2/99	1130		AA-SW-SI-24-26	X											3			
11/2/99	1530		AA-SW-SI-34-36	X											3			

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[illegible]			[illegible]	11/2/99	1630			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
[illegible]	11/2/99	0800	Fedex# 8155 1526 6640	11/2/99	1630			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			[ ] YES [ ] NO			

99A-48

FedEx USA Airbill FedEx Tracking Number 8155 1526 6640

Sender's Copy

1 From Please print and press hard.

Date 11/2/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Tony Finest Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference
First 24 characters will appear on invoice

3 To Recipient's Name Betsy Beauchamp Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LA ROCHE AVE Dept./Floor/Suite/Room
We cannot deliver to P.O. Boxes or P.O. ZIP codes

To "HOLD" at FedEx location, print FedEx address here.

City SAVANNAH State GA ZIP 31404

NEW Peel and Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1-800-Go-FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

0111962862

4a Express Package Service — Packages up to 150 lbs. Delivery commitment may be later in some areas.

- [x] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One-pound rate

4b Express Freight Service — Packages over 150 lbs. Delivery commitment may be later in some areas.

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging — Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [x] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg.

6 Special Handling

- [ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? One box must be checked

- [x] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging

7 Payment Bill to: Enter FedEx Acct. No. or Credit Card No. below

- [x] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
7	44	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details.

FedEx Use Only

8 Release Signature — Sign to authorize delivery without obtaining signature.

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

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[ ] 2846 Industrial Plaza Drive, Tallahassee, FL 32301 Phone: (904) 878-3994 Fax: (904) 878-9504
[ ] 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
[ ] 100 Alpha Drive, Suite 110, Destrehan, LA 70047 Phone: (504) 764-1100 Fax: (504) 725-1163

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Solution Surface Area 1	23548	[illegible]

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE / FAX
	TONY [illegible]	

CLIENT NAME	CLIENT PROJECT MANAGER
[illegible]	[illegible]

CLIENT ADDRESS (CITY, STATE, ZIP): [illegible] MO

PAGE 1 OF 1

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	[illegible] 8270C	Metals 6010B	[illegible] 7470A	Cyanide 9010B	PCBs 1680	Pesticides 8081A	Herbicides 8151A				REMARKS
11/2/94	1435		MS/MSD EEG-105 CP	X				2	1	1	1	2	2	2				
[illegible]			Temp Blank	X														

NUMBER OF CONTAINERS SUBMITTED

[X] STANDARD REPORT DELIVERY
[ ] EXPEDITED REPORT DELIVERY (surcharge)
Date Due

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[illegible]	[illegible]		[illegible]	11/2/94	1630			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
[illegible]	11/2/94	0800	Fedex #8155 1526 6651	11/2/94	1630			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			[ ] YES [ ] NO			

99A-50

FedEx *USA Airbill* FedEx Tracking Number 8155 1526 6651

Sender's Copy

1 From Please print and press hard

Date 11/2/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Tony Fiuza Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference First 24 characters will appear on invoice

3 To Recipient's Name Betsy Beauchamp Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LA ROCHE AVE Dept./Floor/Suite/Room
We cannot deliver to P.O. boxes or P.O. ZIP codes.

To "HOLD" at FedEx location, print FedEx address here.

City SAVANNAH State GA ZIP 31404

NEW Peel and Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability

4a Express Package Service — Packages up to 150 lbs. Delivery commitment may be later in some areas.

- [X] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

FedEx Letter Rate not available. Minimum charge: One-pound rate

4b Express Freight Service — Packages over 150 lbs. Delivery commitment may be later in some areas.

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

*Call for Confirmation:

5 Packaging — Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer Pkg.

6 Special Handling

- [ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? (One box must be checked)

- [X] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous Goods cannot be shipped in FedEx packaging

- [ ] Cargo Aircraft Only

7 Payment Bill to: (Enter FedEx Acct. No. or Credit Card No. below)

- [X] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	CH	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details.

FedEx Use Only

8 Release Signature Sign to authorize delivery without obtaining signature.

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

359

0111962862

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RETAIN THIS COPY FOR YOUR RECORDS

CLIENT CHAIN OF CUSTODY

SAMPLER'S SIGNATURE

Project/Quote 04961/9900001069

From (1): Solutia,Inc.
575 Maryville Center Drive
St. Louis, MO 63141

Project (1): Sauget Area 1 Support Sampling

Contact: Mr. Alan Cork
Phone: 314-842-4550
Fax: 314-674-8957
P.O.# (1): Direct Bill Solutia

(SOL05 /FMS)

Data to be reported to the state of MO.

Analysis Wanted (2): Dioxins 8290

Total Number of Containers: 4

Turn Around Time (In Calendar Days):

Sample ID (3)	Date / Time	Preservation (4)	Matrix	Sample Amt.						Remarks
EEG-105-GP	11/2/99 1435	ICE	AQ	2	X					
MS/MSD EEG-105-GP	11/2/99 1435	ICE	AQ	2	X					

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
	11/2/99 1700	Fedex #815747919910			

Received for Laboratory By/Signature	Date/Time	Send Samples to: Triangle Laboratories, Inc. Attn: Sample Custodian 801 Capitola Drive Durham, NC 27713 USA Phone: (919) 544-5729 • Fax: (919) 544-5491

Directions:
(1) Provide and/or correct client and project information.
(2) Verify analysis, check approriate boxes for each sample.
(3) Enter the sample ID to be used when reporting the samples.
(4) Please indicate the preservation used for each sample.

FedEx USA Airbill FedEx Tracking Number 8157 4791 9910

0219 SDA21 Sender's Copy

1 From Please print and press hard.

Date 11/2/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Tony Finch Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference First 24 characters will appear on invoice.

3 To Recipient's Name Phone ( )

Company TRIANGLE LABORATORIES

Address 801 CAPITOLA DR Dept./Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes.

To "HOLD" at FedEx location, print FedEx address here.

City DURHAM State NC ZIP 27713

NEW Peel and Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

0111960289

4a Express Package Service *Packages up to 150 lbs.* Delivery commitment may be later in some areas.

- [x] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One-pound rate

4b Express Freight Service *Packages over 150 lbs.* Delivery commitment may be later in some areas.

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation:

5 Packaging * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [x] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg.

6 Special Handling

- [ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? One box must be checked.

- [x] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below

- [x] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	21	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details. FedEx Use Only

8 Release Signature Sign to authorize delivery without obtaining signature.

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

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SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

5102 LaRoche Avenue, Savannah, GA 31404 — Phone: (912) 354-7858 — (912) 352-0165
☐ 2846 Industrial Plaza Drive, Tallahassee, FL 32301 — Phone: (904) 878-3994 — Fax: (904) 878-9504
☐ 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
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Solutia Sugar Area 1	23548	Direct Bill to Solutia

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
IL	Tony Finch	314 342-4550	

CLIENT NAME	CLIENT PROJECT MANAGER
Solutia	Kimberly Perry - Solutia

CLIENT ADDRESS (CITY, STATE, ZIP): St. Louis, MO

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: PAGE 1 OF 1

☒ STANDARD REPORT DELIVERY
☐ EXPEDITED REPORT DELIVERY (surcharge)
Date Due

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (oil, solvent, etc)	VOCs 8270C	METALS 6010B	MERCURY 7470A	CYANIDE 9010B	PCBs 8080	PESTICIDES 8081A	HERBICIDES 8151A				REMARKS
11/3/99	1030		EEG-103-GP	X				2	1	1	1	2	2	2				
			[illegible]															
			TEMP BLANK	X														

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			[signature]	11/3/99	1745			

RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
			FEDEX # 8155 1526 6062	11/3/99	1745			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS
			☐ YES ☐ NO			

99A-55

FedEx *USA Airbill* FedEx Tracking Number 8155 1526 6662

SDA11

Form ID No. 0215

1 From Please print and press hard

Date 11/3/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Tony Fincot Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference First 24 characters will appear on invoice

3 To Recipient's Name Betsy Beauchamp Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LA ROCHE AVE Dept./Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes

To "HOLD" at FedEx location, print FedEx address here

City SAVANNAH State GA ZIP 31404

NEW Peel and Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

0111962862

4a Express Package Service *Packages up to 150 lbs.* Delivery commitment may be later in some areas.

- [X] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One-pound rate

4b Express Freight Service *Packages over 150 lbs.* Delivery commitment may be later in some areas.

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg

6 Special Handling

- [ ] **Saturday Delivery** — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] **Sunday Delivery** — Available for FedEx Priority Overnight to select ZIP codes
- [ ] **HOLD Weekday at FedEx Location** — Not available with FedEx First Overnight
- [ ] **HOLD Saturday at FedEx Location** — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?

- [ ] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging

7 Payment *Bill to:*

- [X] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	43	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details.

FedEx Use Only

8 Release Signature *Sign to authorize delivery without obtaining signature.*

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

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SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

5102 LaRoche Avenue, Savannah, GA 31404 Phone: (912) 354-7858 912) 352-0165
☐ 2846 Industrial Plaza Drive, Tallahassee, FL 32301 Phone: (904) 878-3994 Fax: (904) 878-9504
☐ 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
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 Phone: (504) 764-1100 Fax: (504) 725-1163

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE: Solutia Sauget Area 1
PROJECT NO.: 23-MB
P.O. NUMBER: Direct Bill to Solutia
PROJECT LOC. (State): IL
SAMPLER(s) NAME: Tony Finch
PHONE: 314 342 4550
FAX:
CLIENT NAME: Solutia
CLIENT PROJECT MANAGER: Kimberly Perry - Solutia
CLIENT ADDRESS (CITY, STATE, ZIP): St Louis, MO

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: PAGE 1 OF

☒ STANDARD REPORT DELIVERY
☐ EXPEDITED REPORT DELIVERY (surcharge)
Date Due:

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (oil, solvent, etc)	SVOCs 8270C	METALS 6010B	MERCURY 7470A	CYANIDE 9010B	PCBs 8082	PESTICIDES 8081A	HERBICIDES 8151A	VOCs 8260C			REMARKS
11/3/99	1410		EEG-111-GP	X				2	1	1	1	2	2	2	3			
11/3/99	1030		EEG-103-GP	X											3			
11/3/99	1200		AA-SW-S1-42-46 ft	X											3			
11/3/99	1615		AA-SW-S1-52-56 ft	X											3			
11/3/99	—		Trip Blank	X											3			
—	—		Temp Blank	X														

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			[signature]	11/3/99	1730			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
			Fax #8551526 6721	11/3/99	1730			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			☐ YES ☐ NO			

99A-56

CLIENTS FIELD COPY

FedEx *USA Airbill* FedEx Tracking Number 8155 1526 6721

Form I.D. No. 0215 SDA11

1 From Please print and press hard

Date 11/3/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Tony Finch Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference First 24 characters will appear on invoice.

3 To Recipient's Name Betsy Bowman Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LA ROCHE AVE Dept./Floor/Suite/Room
We cannot deliver to PO boxes or PO ZIP codes

To "HOLD" at FedEx location, print FedEx address here

City SAVANNAH State GA ZIP 31404

NEW Peel and Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

0111962862

4a Express Package Service — **Packages up to 150 lbs.** Delivery commitment may be later in some areas.

- [X] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One-pound rate

4b Express Freight Service — **Packages over 150 lbs.** Delivery commitment may be later in some areas

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation.

5 Packaging — * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg — Includes FedEx Box, FedEx Tube, and customer pkg

6 Special Handling

- [ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? One box must be checked

- [ ] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging.

7 Payment Bill to:

- [X] Sender — Acct No in Section 1 will be billed.
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct No / Credit Card No ____ Exp Date ____

Total Packages	Total Weight	Total Declared Value†
1	44	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details.

FedEx Use Only

8 Release Signature Sign to authorize delivery without obtaining signature.

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

359

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RETAIN THIS COPY FOR YOUR RECORDS

CLIENT CHAIN OF CUSTODY | **SAMPLER'S SIGNATURE** [signature] | **Project/Quote 04961/9900001069**

From (1): Solutia,Inc.
575 Maryville Center Drive
St. Louis, MO 63141
Project (1): Sauget Area 1 Support Sampling

Contact: Mr. Alan Cork
Phone: 314-842-4550
Fax: 314-674-8957
P.O.# (1): DIRECT Bill Solutia

(SOL05 /FMS)

Data to be reported to the state of MO.

Analysis Wanted (2): Dioxins 8290

Total Number of Containers: 4

Turn Around Time (In Calendar Days):

Sample ID (3)	Date / Time	Preservation (4)	Matrix	Sample Amt.						Remarks
EEG-103-GP	11/3/99 1030	ICE	AQ	2	X					
EEG-111-GP	11/3/99 1410	ICE	AQ	2	X					
AA-SW-S1-42-46'	11/3/99 1200	ICE	AQ	2	X					
Temp Blank										

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
[signature]	11/3/99 1715	FEDEX# 815747919900			

Received for Laboratory By/Signature	Date/Time	Send Samples to: Triangle Laboratories, Inc. Attn: Sample Custodian 801 Capitola Drive Durham, NC 27713 USA Phone: (919) 544-5729 • Fax: (919) 544-5491

Directions:
(1) Provide and/or correct client and project information.
(2) Verify analysis, check approriate boxes for each sample.
(3) Enter the sample ID to be used when reporting the samples.
(4) Please indicate the preservation used for each sample.

FedEx *USA Airbill* FedEx Tracking Number 8157 4791 9900

SDA21

0215

1 From *Please print and press hard.*

Date 11/3/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Tony Finch Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference
First 24 characters will appear on invoice.

3 To

Recipient's Name Phone ( )

Company TRIANGLE LABORATORIES

Address 801 CAPITOLA DR Dept./Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes

To "HOLD" at FedEx location, print FedEx address here.

City DURHAM State NC ZIP 27713

NEW Peel and Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

0111963289

4a Express Package Service *Packages up to 150 lbs.* Delivery commitment may be later in some areas.

- [X] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge. One-pound rate.

4b Express Freight Service *Packages over 150 lbs.* Delivery commitment may be later in some areas.

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg.

6 Special Handling

- [ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? Due box must be checked.

- [ ] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below

- [X] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages 1 Total Weight 27 Total Declared Value† $ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details.

FedEx Use Only

8 Release Signature *Sign to authorize delivery without obtaining signature.*

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

359

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RETAIN THIS COPY FOR YOUR RECORDS

Serial Number [illegible]

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
☐ 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
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 Phone: (504) 764-1100 Fax: (504) 725-1163

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Solutia Sauget Area	[illegible]	[illegible] Bill [illegible]

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
[illegible]	Tony Finch	314	314

CLIENT NAME	CLIENT PROJECT MANAGER
Solutia	[illegible] Solutia

CLIENT ADDRESS (CITY, STATE, ZIP): St. Louis, MO

PAGE 1 OF 1

☒ STANDARD REPORT DELIVERY
☐ EXPEDITED REPORT DELIVERY (surcharge)
Date Due.

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: [illegible] 8270C; [illegible] 8010B; [illegible] 7470A; [illegible] 9010B; PCBs 680; [illegible] 8151A; [illegible] 8151A

NUMBER OF CONTAINERS SUBMITTED

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	[illegible] 8270C	[illegible] 8010B	[illegible] 7470A	[illegible] 9010B	PCBs 680	[illegible] 8151A	[illegible] 8151A				REMARKS
11/4/99	[illegible]		EE-02-GP	X				2	1	1	1	2	2	2				
-	-		Temp [illegible]	X														

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]			[signature]	11/4/99	1715			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
[signature]	11/4/99	0700	FEDEX #8155 1526 6684	11/4/99	1715			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			☐ YES ☐ NO			

FedEx *USA Airbill* FedEx Tracking Number 8155 1526 6684

8DA11

0215

1 From Please print and press hard

Date 4/4/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Tony Finch Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference First 24 characters will appear on invoice

3 To Recipient's Name Betsy Bennemann Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LA ROCHE AVE Dept./Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes

To "HOLD" at FedEx location, print FedEx address here.

City SAVANNAH State GA ZIP 31404

NEW Peel and Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability

4a Express Package Service — *Packages up to 150 lbs.* Delivery commitment may be later in some areas.

- [X] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One pound rate

4b Express Freight Service — *Packages over 150 lbs.* Delivery commitment may be later in some areas.

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging — * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg

6 Special Handling

- [ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?

- [ ] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging

7 Payment *Bill to:*

- [X] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	44	$ 00

†Our liability is limited to $100 unless you declare a higher value. See back for details.

FedEx Use Only

8 Release Signature *Sign to authorize delivery without obtaining signature.*

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

359

0111962862

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99A-61

Serial Number 14[illegible]14

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
☐ 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
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Solutia Sewer Area	23548	Direct Bill to Solutia

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
IL	Tony Finch	314-842-4550	

CLIENT NAME	CLIENT PROJECT MANAGER
Solutia	Kimberly Perry - Solutia

CLIENT ADDRESS (CITY, STATE, ZIP): St. Louis, MO

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: SVOCs 8270C; Metals 6010B; Mercury 7470A; Cyanide 9010B; PCBs 608; Pesticides 8081A; Herbicides 8151A

PAGE 1 OF 1

☒ STANDARD REPORT DELIVERY

☐ EXPEDITED REPORT DELIVERY (surcharge)

Date Due:

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	SVOCs	Metals	Mercury	Cyanide	PCBs	Pesticides	Herbicides				REMARKS
11/4/99	0845		Field ~~Blank~~ Dup EE-02-GP	X				2	1	1	1	2	2	2				
			Temp Blank	X														

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			[signature]	11/4/99	1700			

RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
			FEDEX #8855 1526 6673	11/4/99	1700	[signature]	11/5/99	9:45

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
[signature]	11/5/99	9:45	☑ YES ☐ NO		5917467	Field Blank actually a Field Dup COC changed to reflect proper ID [signature] 11/12/99

33

99A-62

DEC-17-1999 12:07 P.03/03 912 352 0165

FedEx *USA Airbill* FedEx Tracking Number 8155 1526 6673

Form ID No. 0215 5DA11

1 From Please print and press hard

Date 11/4/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Tony Finut Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference First 24 characters will appear on invoice

3 To Recipient's Name Betsy Beaucamp Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LA ROCHE AVE Dept./Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP Codes

To "HOLD" at FedEx location, print FedEx address here

City SAVANNAH State GA ZIP 31404

NEW Peel and Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability

0111962862

4a Express Package Service — *Packages up to 150 lbs.* Delivery commitment may be later in some areas.

- [X] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One-pound rate

4b Express Freight Service — *Packages over 150 lbs.* Delivery commitment may be later in some areas.

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging — * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg — Includes FedEx Box, FedEx Tube, and customer pkg

6 Special Handling

- [ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?

- [ ] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging

7 Payment *Bill to:*

- [X] Sender — Acct No in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct No / Credit Card No ____ Exp Date ____

Total Packages	Total Weight	Total Declared Value†
1	44	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details

FedEx Use Only

8 Release Signature *Sign to authorize delivery without obtaining signature.*

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims

359

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99A-63

Serial Number 15 11

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
☐ 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
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 Phone: (504) 764-1100 Fax: (504) 725-1163

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Solutia Sauget Area 1	23548	Direct Bill to Solutia

PROJECT LOC. (State): [illegible]
SAMPLER(s) NAME: Tony Finch
PHONE: 314 842 4550
FAX: 314
CLIENT NAME: Solutia
CLIENT PROJECT MANAGER: Kimberly Perry - Solutia
CLIENT ADDRESS (CITY, STATE, ZIP): St. Louis, MO

PAGE 1 OF 1

☒ STANDARD REPORT DELIVERY
☐ EXPEDITED REPORT DELIVERY (surcharge)
Date Due: _____

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES — NUMBER OF CONTAINERS SUBMITTED

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	SVOCs 8270C	METALS 6010B	MERCURY 7470A	CYANIDE 9010B	PCBs 6020	PESTICIDES 8081A	HERBICIDES 8151A	VOCs 8260			REMARKS
11/4/99	1500		EE-13-GP	X				2	1	1	1	2	2	2	3			
11/4/99	0845		EE-02-GP	X											3			
11/4/99	0845		FIELD ~~BLANK~~ Dup of #1 EE-02-GP	X											3			
11/4/99	—		Trip Blank	X											3			
—	—		Temp Blank	X														

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	10/27/99		[signature]	11/4/99	1700			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
[signature]	11/4/99	0700	FEDEX #8155 1526 6695	11/4/99	1700	[signature] Swafford	11/5/99	9:45

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
[signature]	11/5/99	9:45	☒ YES ☐ NO		S917467	Field Blank actually a Field Duplicate COC changed to reflect a proper ID [illegible]

ORIGINAL

99A-64

912 352 0165 P.02/03
DEC-17-1999 12:07

FedEx *USA Airbill* FedEx Tracking Number 8155 1526 6695

SDA11

Form I.D. No. 0215

1 From *Please print and press hard*

Date 11/4/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Tony Finch Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference
First 24 characters will appear on invoice

3 To
Recipient's Name Betsy Beauchamp Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LA ROCHE AVE Dept./Floor/Suite/Room
We cannot deliver to P.O. boxes or P.O. ZIP codes

To "HOLD" at FedEx location, print FedEx address here

City SAVANNAH State GA ZIP 31404

NEW Peel and Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability

4a Express Package Service *Packages up to 150 lbs.* Delivery commitment may be later in some areas.

- [x] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One-pound rate

4b Express Freight Service *Packages over 150 lbs.* Delivery commitment may be later in some areas.

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [x] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg.

6 Special Handling

- [ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? (One box must be checked)

- [ ] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging.

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below

- [x] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	45	$ .00

FedEx Use Only

†Our liability is limited to $100 unless you declare a higher value. See back for details.

8 Release Signature *Sign to authorize delivery without obtaining signature.*

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

359

0111962862

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RETAIN THIS COPY FOR YOUR RECORDS

CLIENT CHAIN OF CUSTODY SAMPLER'S SIGNATURE [signature] Project/Quote 04961/9900001069

From (1): Solutia,Inc.
575 Maryville Center Drive
St. Louis, MO 63141
Project (1): Sauget Area 2 Support Sampling

Contact: Mr. Alan Cork
Phone: 314-842-4550
Fax: 314-674-8957
P.O.# (1): Direct Bill Solutia

(SOL05 /FMS)

Data to be reported to the state of MO.

Analysis Wanted (2): Dioxins 8290

Total Number of Containers: 8

Turn Around Time (In Calendar Days):

Sample ID (3)	Date / Time	Preservation (4)	Matrix	Sample Amt.	Dioxins 8290					Remarks
EE-02-GP	11/4/99 0845	ICE	AQ	2	X					
FIELD BLANK EE-02-GP	11/4/99 0845	ICE	AQ	2	X					
AA-SW-51-62-66ft	11/4/99 1050	ICE	AQ	2	X					
EE-13-GP	11/4/99 1500	ICE	AQ	2	X					

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
[signature]	11/4/99 1730	FEDEX# 8157 4741 9895			

Received for Laboratory By/Signature	Date/Time
Bill Hunt	11/05/99 1000 AM

Send Samples to: Triangle Laboratories, Inc.
Attn: Sample Custodian
801 Capitola Drive
Durham, NC 27713 USA
Phone: (919) 544-5729 • Fax: (919) 544-5491

Directions:
(1) Provide and/or correct client and project information.
(2) Verify analysis, check approriate boxes for each sample.
(3) Enter the sample ID to be used when reporting the samples.
(4) Please indicate the preservation used for each sample.

99A-66

Order Acknowledgement
TLI Project Number 49816

Re: Your Project: Sauget Area 1 Support Sampling

This is provided to acknowledge receipt of your sample(s), advise you of the status of your order and obtain authorization to proceed with the sample analysis. Please review this information, **sign below and return.**

Our records show that these analyses were quoted on 09/07/99 in TLI's quote number 9900001069. We have your purchase order number 4503134058.

Unless instructed otherwise, we will use these addresses and phone numbers.

Billing Address: (SOLUS)
Solutia,Inc.
P.O.Box 66760

St. Louis, MO 63166-6760
USA

Shipping Address:
Solutia,Inc.
575 Maryville Center Drive

St. Louis, MO 63141
Telephone Numbers:
Phone: 314-674-3402
Fax: 314-674-8957

Our receiving records show the following information about your sample(s).

Container Seal:	Present	**Date Received:**	11/05/99
Sample Seal(s):	Present	**Carrier/ID#:**	FedEx/
Chain-of-Custody:	Present	**Container:**	Ice Chest
Temperature:	6.0 °C	**Other:**	Ice
SMO Forms:	N/A		

Receiving Remarks:
None.

We have scheduled work on your sample(s) and associated QC sample(s) as follows:

Turn Around Time:	21 Days	**Matrix:**	Water
Due Date:	11/26/99	**Detection Limit:**	10 ppq
Analyte List:	Tetra - Octa		
Analysis:	Method 8290: Tetra-Octa		

Your (or QC) Sample Number	Your Chain-of-Custody Sample Number †	TLI Sample Number	Price *
TLI Blank	n/a +	TLI Blank	0.00
EE-02-GP	EE-02-GP	249-24-1A	700.00
EE-02-GP FIELD BLANK	EE-02-GP FIELD BLANK	249-24-2A	700.00
EE-13-GP	EE-13-GP	249-24-3A	700.00

(Continued on next page.)

SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive, Tallahassee, FL 32301 Phone: (904) 878-3994 Fax: (904) 878-9504
900 Lakeside Drive, Mobile, AL 36693 Phone: (334) 666-6633 (334) 666-6696
6712 Benjamin Road, Suite 100, Tampa, FL 33634 Phone: (813) 885-7427 Fax: (813) 885-7049
100 Alpha Drive, Suite 110, Destrehan, LA 70047 Phone: (504) 764-1100 Fax: (504) 725-1163

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE	PROJECT NO.	PO NUMBER
Solutia Sweet Areal	23548	Direct Bill Solutia

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
IL	Tony Finch/Wrenchy	314 942 4550	

CLIENT NAME	CLIENT PROJECT MANAGER
Solutia	Kimberly Perry - Solutia

CLIENT ADDRESS (CITY, STATE, ZIP): St. Louis, MO

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES — PAGE 1 OF 1

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	VOCs 8270C	METALS 6010B	MERCURY 7470A	CYANIDE 9010B	PCBs 6800	PESTICIDES 8081A	HERBICIDES 8151A	VOCs 8260B			REMARKS
								ICE	NITRIC	NITRIC	NaOH	—	ICE	—	HCL			
11/5/99	1040		EE-12-GP	X				2	1	1	1	2	2	2	3			
11/5/99	1330		EE 14-GP	X				~~2~~	~~2~~	~~2~~	~~4~~	~~2~~	~~2~~	~~2~~	3			
11/5/99	1107		AA-SW-S1-82'-86'	X											3			
11/5/99	1025		AA-SW-S1-91'-95'	X											3			
11/5/99	—		Trip Blank	X											3			
—	—		Temp Blank	X														

STANDARD REPORT DELIVERY [X]
EXPEDITED REPORT DELIVERY (surcharge) [ ]
Date Due:

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			[signature]	11/5/99	1500			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
			FEDEX # 8155 1526 6798	11/5/99	1500			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			YES / NO			

FedEx *USA Airbill* FedEx Tracking Number 8155 1526 6798

SDA11

Form I.D. No. 0215

SENDER'S COPY

1 From Please print and press hard

Date 11/5/99

Sender's FedEx Account Number 1187-9587-3

Sender's Name Tony Finut

Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211

Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference First 24 characters will appear on invoice 23548.030.001

3 To

Recipient's Name Betsy Benchmarp

Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LA ROCHE AVE

We cannot deliver to P.O. boxes or P.O. ZIP codes

Dept./Floor/Suite/Room

To "HOLD" at FedEx location, print FedEx address here

City SAVANNAH State GA ZIP 31404

NEW! Peel and Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1·800·Go·FedEx* (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability

0111962862

4a Express Package Service

Packages up to 150 lbs. Delivery commitment may be later in some areas.

- [x] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One-pound rate

4b Express Freight Service

Packages over 150 lbs. Delivery commitment may be later in some areas

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging

* Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [x] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg.

6 Special Handling

- [x] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? One box must be checked

- [x] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging.

7 Payment Bill to:

- [x] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. / Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	43	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details.

FedEx Use Only

8 Recipient Signature Sign to authorize delivery without obtaining signature.

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

359

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Serial Number

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
☐ 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
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
[illegible]	[illegible]	[illegible]

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
[illegible]	[illegible]	[illegible]	[illegible]

CLIENT NAME	CLIENT PROJECT MANAGER
[illegible]	[illegible]

CLIENT ADDRESS (CITY, STATE, ZIP): [illegible], MD

PAGE 1 OF 1

☒ STANDARD REPORT DELIVERY
☐ EXPEDITED REPORT DELIVERY (surcharge)
Date Due:

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	MATRIX TYPE: AQUEOUS (WATER)	SOLID OR SEMI-SOLID	AIR	NONAQUEOUS LIQUID (oil, solvent, etc)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				REMARKS
			REQUIRED ANALYSES					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
								ICE	Nitric	Nitric	Light	—	ICE	—				
			NUMBER OF CONTAINERS SUBMITTED															
11/5/94	1330		EE-1A-CP	X				2	1	1	1	2	2	2				
			Trip Blank				X											

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[illegible]			[illegible]	11/5/94	1530			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
[illegible]	11/5/94	0700	FEDEX #2155 1576 6802	11/5/94	1530			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			☐ YES ☐ NO			

99A-70

FedEx USA Airbill FedEx Tracking Number 8155 1526 6802

8DA11

0205

1 From Please print and press hard

Date 11/5/99

Sender's FedEx Account Number 1187-9587-3

Sender's Name Tony Finch

Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211

Dept./Floor/Suite/Room

City SAINT LOUIS

State MO ZIP 63128

2 Your Internal Billing Reference
First 24 characters will appear on invoice

3 To Recipient's Name Betsy Benchamp

Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LA ROCHE AVE
We cannot deliver to PO Boxes or PO ZIP codes

Dept./Floor/Suite/Room

To "HOLD" at FedEx location, print FedEx address here

City SAVANNAH

State GA ZIP 31404

NEW Red and Black FedEx USA Airbill

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

0111962862

4a Express Package Service — Packages up to 150 lbs. Delivery commitment may be later in some areas

- [X] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One-pound rate

4b Express Freight Service — Packages over 150 lbs. Delivery commitment may be later in some areas

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging — * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg — Includes FedEx Box, FedEx Tube, and customer pkg

6 Special Handling

- [X] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?

- [ ] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ kg
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging

7 Payment Bill to:

- [X] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. ____ Exp. Date ____

Total Packages	Total Weight	Total Declared Value†
1	39	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details.

FedEx Use Only

8 Release Signature — Sign to authorize delivery without obtaining signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

359

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RETAIN THIS COPY FOR YOUR RECORDS

CLIENT CHAIN OF CUSTODY | **SAMPLER'S SIGNATURE** [signature] | **Project/Quote 04961/9900001069**

From (1): Solutia,Inc.
575 Maryville Center Drive
St. Louis, MO 63141

Project (1): Sauget Area 1 Support Sampling

(SOL05 /FMS)

Contact: Mr. Alan Cork
Phone: 314-842-4550
Fax: 314-674-8957
P.O.# (1): DIRECT BILL Solutia

Data to be reported to the state of MO.

Analysis Wanted (2): Dioxins 8290

Total Number of Containers: 4

Turn Around Time (In Calendar Days):

Sample ID (3)	Date / Time	Preservation (4)	Matrix	Sample Amt.	Dioxins 8290					Remarks
EE-12-GP	11/5/99 1040	Cool $Na_2S_2O_3$	Water	2l	X					
EE-14-GP	11/5/99 1530	Cool $Na_2S_2O_3$	Water	2l	X					
TEMP BLANK	—	—	—	1						

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
[signature]	11/5/99 1600	FEDEX # 8157 4791 9884			

Received for Laboratory By/Signature	Date/Time	Send Samples to: Triangle Laboratories, Inc. Attn: Sample Custodian 801 Capitola Drive Durham, NC 27713 USA Phone: (919) 544-5729 • Fax: (919) 544-5491

Directions:
(1) Provide and/or correct client and project information.
(2) Verify analysis, check approriate boxes for each sample.
(3) Enter the sample ID to be used when reporting the samples.
(4) Please indicate the preservation used for each sample.

FedEx USA Airbill FedEx Tracking Number 8157 4791 9884

SDA21

Form ID No. 0215

1 From Please print and press hard

Date 11/5/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Tony Finch Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference First 24 characters will appear on invoice. 23546.030.001

3 To Recipient's Name Frank Stevens Phone ( )

Company TRIANGLE LABORATORIES

Address 801 CAPITOLA DR Dept./Floor/Suite/Room

We cannot deliver to PO boxes or PO ZIP codes

To "HOLD" at FedEx location, print FedEx address here

City DURHAM State NC ZIP 27713

NEW Peel and Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

0111963289

4a Express Package Service — **Packages up to 150 lbs.** Delivery commitment may be later in some areas

- [X] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One pound rate.

4b Express Freight Service — **Packages over 150 lbs.** Delivery commitment may be later in some areas

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging — * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg

6 Special Handling

- [X] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? (One box must be checked)

- [ ] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous Goods cannot be shipped in FedEx packaging

- [ ] Cargo Aircraft Only

7 Payment *Bill to:* (Enter FedEx Acct. No. or Credit Card No. below)

- [X] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	35	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details.

FedEx Use Only

8 Release Signature — Sign to authorize delivery without obtaining signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

359

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RETAIN THIS COPY FOR YOUR RECORDS

Serial Number [illegible]

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
☐ 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
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Solutia Sauget Area 1	23518	[illegible]

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE / FAX
IL	A. Clark / Hejenkins	(314) 842-1550 / (314) 842-3266

CLIENT NAME	CLIENT PROJECT MANAGER
Solutia	[illegible]

CLIENT ADDRESS (CITY, STATE, ZIP): St Louis MO

PAGE 1 OF 1

☒ STANDARD REPORT DELIVERY
☐ EXPEDITED REPORT DELIVERY (surcharge)
Date Due:

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES — NUMBER OF CONTAINERS SUBMITTED

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	SVOCs (8270C) Cool	METALS (6010B) Cool HNO3	MERCURY (7470A) Cool HNO3	CYANIDE (9010B) Cool NaOH	HCl (600) Cool	DESCs (8081A) Cool	HERBs (8151A) Cool				REMARKS
11/8/99	1500		EE-15-GP	X				2	1	1	1	2	2	2				
11/8/99	–		TEMP BLANK	X														

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			[signature]	11/8/99	1600			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
			Fedx # 8155 1526 6700	11/8/99	1800			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS
			☐ YES ☐ NO			

99A-74

CLIENTS FIELD COPY

SDA11

FedEx USA Airbill FedEx Tracking Number 8155 1526 6700

Form I.D. No. 0215

1 Please print and press hard

Date 11/8/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Alan Cak Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference 23518.030.001
First 24 characters will appear on invoice

3 To
Recipient's Name Betsy Beauchamp Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LA ROCHE AVE Dept./Floor/Suite/Room
We cannot deliver to P.O. boxes or P.O. ZIP codes

To "HOLD" at FedEx location, print FedEx address here

City SAVANNAH State GA ZIP 31404

See back for application instructions

Questions? Call 1·800·Go·FedEx® (800-463-3339)
Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability

0111962862

4a **Packages up to 150 lbs.** Delivery commitment may be later in some areas

[X] FedEx Priority Overnight — Next business morning
[ ] FedEx Standard Overnight — Next business afternoon
[ ] FedEx First Overnight — Earliest next business morning delivery to select locations
[ ] FedEx 2Day* — Second business day
[ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One-pound rate

4b **Packages over 150 lbs.** Delivery commitment may be later in some areas

[ ] FedEx 1Day Freight* — Next business day
[ ] FedEx 2Day Freight — Second business day
[ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 * Declared value limit $500

[ ] FedEx Letter*
[ ] FedEx Pak*
[X] Other Pkg — Includes FedEx Box, FedEx Tube, and customer pkg

6

[ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
[ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
[ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
[ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?

[X] No
[ ] Yes — As per attached Shipper's Declaration
[ ] Yes — Shipper's Declaration not required
[ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
[ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging

7 Bill to:

[X] Sender — Acct. No. in Section 1 will be billed
[ ] Recipient
[ ] Third Party
[ ] Credit Card
[ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	41	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details

FedEx Use Only

8 Sign to authorize delivery without obtaining signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims

359

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99A-75

Serial Number [illegible]

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
☐ 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
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Solutia Sauget Area	23548	Direct Bill Solutia

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
IL	AJ Cork ~~[illegible]~~ H NE [illegible]	314 842 4556	314 842 3266

CLIENT NAME	CLIENT PROJECT MANAGER
Solutia	Kimberly Perry - Solutia

CLIENT ADDRESS (CITY, STATE, ZIP): St. Louis, MO

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES — PAGE 1 OF 1

☒ STANDARD REPORT DELIVERY
☐ EXPEDITED REPORT DELIVERY (surcharge)
Date Due

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	Gas 8270C	Metals 6010B	Mercury 7470A	Cyanide 9010B	PCBs 680	Pesticides 8081A	Herbicides 8151A				REMARKS
								ICE	ICE [illegible]	ICE [illegible]	ICE ALOH	—	ICE	—				
11/8/99	1530		EE-15-GP-FD	X				2	1	1	1	2	2	2				
11/8/99	—		Temp Blank	X														

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			[signature]	11/8/99	1600			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
			Fedex # 8155 1526 6813	11/8/99	1800			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS
			☐ YES ☐ NO			

99A-76

FedEx *USA Airbill* FedEx Tracking Number 8155 1526 6813

Form I.D. No. 0215 SDA1

1 From *Please print and press hard*

Date 11/8/99 Sender's FedEx Account Number 1107-9587-3

Sender's Name Tony Finch Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference First 24 characters will appear on invoice. 23548.030.001

3 To

Recipient's Name Betsy Bouchamp Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LA ROCHE AVE
We cannot deliver to PO boxes or PO ZIP codes. Dept./Floor/Suite/Room

To "HOLD" at FedEx location, print FedEx address here

City SAVANNAH State GA ZIP 31404

NEW Peel and Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

4a Express Package Service *Packages up to 150 lbs.* Delivery commitment may be later in some areas.

- [X] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One-pound rate

4b Express Freight Service *Packages over 150 lbs.* Delivery commitment may be later in some areas.

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation:

5 Packaging * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg.

6 Special Handling

- [X] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? One box must be checked

- [X] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous Goods cannot be shipped in FedEx packaging.

- [ ] Cargo Aircraft Only

7 Payment *Bill to:*

- [X] Sender — Acct No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct No. / Credit Card No. Exp Date

Total Packages	Total Weight	Total Declared Value†
1	47	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details.

FedEx Use Only

8 Release Signature *Sign to authorize delivery without obtaining signature.*

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

359

0111962862

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99A-77

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
☐ 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
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE	PROJECT NO.	PO NUMBER
Sauget Area 1	23548	Direct B, 11 to Solutia

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE
IL	Wm E. Wright	FAX

CLIENT NAME	CLIENT PROJECT MANAGER
Solutia	Kimberly Perry

CLIENT ADDRESS (CITY, STATE, ZIP): ST. Louis, 1110

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES — PAGE 1 OF 1

☒ STANDARD REPORT DELIVERY
☐ EXPEDITED REPORT DELIVERY (surcharge)
Date Due:

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	VOCs (SW8260B)	Metals (SW6010B)	Mercury (SW7470A)	Cyanide (SW9010B)	SVOCs (SW8270C)	PCBs (SW8082A)	Pesticides (SW8081A)	Herbicides (SW8151A)	REMARKS
								HCL	HNO3	HNO3	NaOH					
								Cool	Cool	Cool	Cool	Cool	Cool	Cool	Cool	
11/8/99	1250		AH-SW-S1-(101-104)FT	X				3	1	1	1	2	2	2	2	
11/8/99	1320		AH-SW-S1-(101-104)FT, FD	X				3								
11/8/99	1350		AH-SW-S1-(101-104)FT, MS	X				3								
11/8/99	1430		AH-SW-S1-(101-104)FT, MSD	X				3								
11/8/99	1500		EE-15-GP	X				3								
11/8/99	1530		EE-15-GP-FD	X				3								
11/8/99			Trip Blank, 938B	X				3								
—	—		Temp Blank	X												

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			William E. Wright	11/8/99	1830			

RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
			FEDEX 8155-1526-6710	11/8/99	1830			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			☐ YES ☐ NO			

99A-78

CLIENTS FIELD COPY

FedEx USA Airbill FedEx Tracking Number 8155 1526 6710

SDA11

0215 Senders Copy

1 From Please print and press hard

Date 11/8/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Bill Wright Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference First 24 characters will appear on invoice. 23548.030.002

3 To Recipient's Name Betsy Beauchamp Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LA ROCHE AVE Dept./Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes

To "HOLD" at FedEx location, print FedEx address here

City SAVANNAH State GA ZIP 31404

NEW Peel and Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

4a Express Package Service *Packages up to 150 lbs.* Delivery commitment may be later in some areas.

- [x] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Letter Rate not available. Minimum charge: One-pound rate

4b Express Freight Service *Packages over 150 lbs.* Delivery commitment may be later in some areas.

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging * Declared value limit $500

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [x] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg.

6 Special Handling

- [ ] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] Sunday Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? Dry Ice must be checked

- [x] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging.

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below

- [x] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	46	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details. FedEx Use Only

8 Release Signature Sign to authorize delivery without obtaining signature.

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

359

0111962862

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CHAIN OF CUSTODY

SAMPLER'S SIGNATURE: [illegible]

CO. Name: Solutia Inc

Address: St Louis, Mo

Contact Name: Kimberly Perry

Project Name: Sauget Area I

PO#: Bill Directly to Solutia

Phone #: ___/___/___

Total No. of Containers: 13

Analysis Wanted: (1) DIOXINS (8290)

SIA No.	Date	Time	Comp	Grab	Sample I.D.#	No. of Cont.	(1)							Remarks
	11/8/99	1500		✓	EE-15-GP	2	X							
	11/8/99	1530		✓	EE-15-GP-FD	2	X							
	11/8/99	1250		✓	AA-SW-SI-101-104 FT	2	X							
	11/8/99	1320		✓	AA-SW-SI-101-104 FT-FD	2	X							
	11/8/99	1350		✓	AA-SW-SI-101-104 FT-MS	2	X							
	11/8/99	1430		✓	AA-SW-SI-101-104 FT-MSD	2	X							
	11/8/99	—	—	—	TEMP BLANK	1								

99A-80

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
[signature]	11/8/99 1800	FedX # 8157 4791 9873			
Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.

Received for Laboratory By/Signature	Date/Time	Send Samples To: Triangle Laboratories of RTP, Inc. 801 Capitola Drive Durham, North Carolina 27713

COC/DUT

REVISION 5/23/94

FedEx USA Airbill FedEx Tracking Number 8157 4791 9873

SDA21

0215

1 From Please print and press hard

Date 11/8/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Alan Cook Phone (314) 842-4550

Company O'BRIEN & GERE

Address 5000 CEDAR PLAZA PKWY STE 211 Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128

2 Your Internal Billing Reference First 24 characters will appear on invoice 23548.030.002

3 To Recipient's Name Frank Stevens Phone ( )

Company TRIANGLE LABORATORIES

Address 801 CAPITOLA DR Dept./Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes.

To "HOLD" at FedEx location, print FedEx address here

City DURHAM State NC ZIP 27713

NEW Peel and Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1·800·Go·FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

0111963289

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- [ ] Credit Card
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FedEx Acct. No. / Credit Card No. Exp. Date

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FedEx Use Only

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