SDMS US EPA REGION V -1

SOME IMAGES WITHIN THIS DOCUMENT MAY BE ILLEGIBLE DUE TO BAD SOURCE DOCUMENTS.

FIELD SAMPLING REPORT

Soil, Ground Water, Surface Water, Sediment, and Air Sampling Field Sampling Report Sauget Area 1 – Volume 4 of 9

Remediation Technology Group
Solutia Inc.
St. Louis, Missouri

September 2000

O'BRIEN & GERE ENGINEERS, INC.

Section 3.15

3.15. Grain-Size Analysis

3.15.1. Rationale/Design

One soil probe or boring was completed adjacent to each fill area (Sites G, H, I, L, and N) to identify grain-size of aquifer materials. Soil samples were collected from the upper (approximately 20 feet below grade), middle (approximately 40 feet below grade), and lower (approximately 60 feet below grade) aquifer zones (total of 15 samples) using a Geoprobe™ or other suitable push technology. Samples were collected using a hollow-stem auger and split spoon adjacent to Site N, as described on the deviation log in Section 3.15.4.1. Sample locations were selected in the field with the concurrence of the USEPA Region V or its designee. Each soil sample was analyzed for grain size.

Number of Grain-Size Analyses 15

3.15.2. QA/QC Samples

As this was a physical test, no QA/QC samples were submitted.

3.15.3. Field Procedures

Prior to performing field work, a Preparatory Inspection Meeting attended by a representative of each of the interested parties was completed (Section 3.15.4.2).

Adjacent to Sites G, H, I, and L, a large-bore (MacroCore™) soil sampler using clear acetate liners was hydraulically pushed to collect soil samples at the specified depths. Adjacent to Site N, a hollow-stem auger and split spoon were used to collect soil samples at the specified depths (during installation of slug test piezometers). The collected samples were placed into labeled plastic containers and sealed. The samplers collected sufficient material volume for grain-size analysis. When larger-size (large gravel to cobble) materials were encountered, additional core samples were obtained from the appropriate depth and placed into additional containers to meet laboratory material volume requirements. Collected samples were placed into plastic coolers for shipment. Chain-of-custody procedures were followed in order to track samples. The samples were submitted for grain-size analysis using a sieve and hydrometer testing. Sampling holes were filled with bentonite.

3.15.4. Documentation

The deviation log for the sampling procedure at Site N is included in Section 3.15.4.1. Field logs generated are included in Record Book Nos. 1 and 4 (Appendix D). Figure 2 depicts grain-size analysis

locations. The Thompson Engineering reports for grain-size analysis are included in Section 3.15.4.3. Chain-of-custody forms are included in Section 3.15.4.4.

Documentation for this task continues on the next page.

3.15.4.1. Change Orders and Deviation/Clarification Log

DEVIATION LOG

INDIVIDUAL REQUESTING DEVIATION / COMPANY: DE Harrodine / O'Brien + Gere

DATE 13 DEC 99

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

PROJECT NAME Solutia - Sauget Area 1 PROJECT LOCATION E. of Site N

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) Grain size analysis sampling E. of Site N

(2) Collection method - FSP #5.15

(3) Collection of grain size analysis - samples while borings are completed for slug test piezometer installations

(4) Collect samples using hollow stem auger + split spoon vs. the specified direct push + Macrotore method

(5) Drill rig, split spoon

(6) None

(7) None

SUBMITTED TO WESTON 13 DEC 99 @ 1830

DE Harrodine / [signature]
PRINTED NAME / SIGNATURE OF PREPARER

Kimberly Perry / [signature] / 12/14/99
PRINTED NAME / SIGNATURE OF SOLUTIA REP / DATE

13 DEC 99
DATE

PRINTED NAME / SIGNATURE OF USEPA REP / DATE

IF ADDITIONAL SPACE IS REQUIRED,

3.15.4.2. Preparatory Inspection Meeting Form

PREPARATORY INSPECTION MEETING

Conducted by/Company: Alan Cook / O'Brien & Gere **Date:** 10/11/99
Project Name: Sunset Area-1 **Task:** Grain Size Analysis 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:

1) Complete one boring adjacent to each fill area (Site 6, H, I & L for now) from the upper, middle, & lower collect soil sample's for grain size analysis
2) Geoprobe Rig w/ Macro core samplers. Collect ± 1 gallon sample for fine grain soils & ±5 gallons for larger grained soils
3) FSP - 5.15 HASP - 2.8
4) Refusal @ depth → collect sample if within ±1' of target zone. Re-install geoprobe @ offset location if greater
5) None
6) None

ATTENDANCE:

EMPLOYEE NAME (print)	EMPLOYEE SIGNATURE	COMPANY
Erik Kemper	Erik Kemper	RF Weston
Ken Lafferty	[illegible]	MAVERICK
William E. Wright	William E. Wright	O'B&G
Dan Lorett	[illegible]	T.P.S.

Given to Weston @ 1245 on 10/11/99

IF ADDITONAL SPACE IS REQUIRED, RECORD ON REVERSE SIDE

Alan J Cook / [illegible]
PRINTED NAME/SIGNATURE OF PREPARER
10/11/99
DATE

3.15.4.3. Thompson Report

Thompson Engineering

NOV 22 1999
O'BRIEN & GERE ENGINEERS, INC.

LETTER OF TRANSMITTAL

To: O'Brien & Gere Engineers, Inc.	Date: 11/18/99	Job No. 1999-00-0774
5000 Cedar Plaza Pkwy., Suite 211	Re: Solutia Sauget Area 1 Project	
S. Louis, MO 63128		
Attention: Alan J. Cork, P.E.		

We Are Sending You X Attached __ Under Separate cover via ____ the following items

COPIES	DATE	NO.	DESCRIPTION
1	11/18/99	4	Revised Particle Size Distribution Test Report (ASTM D 422)

These are Transmitted as checked below

__ For approval __ For your use X As requested __ For review and comment

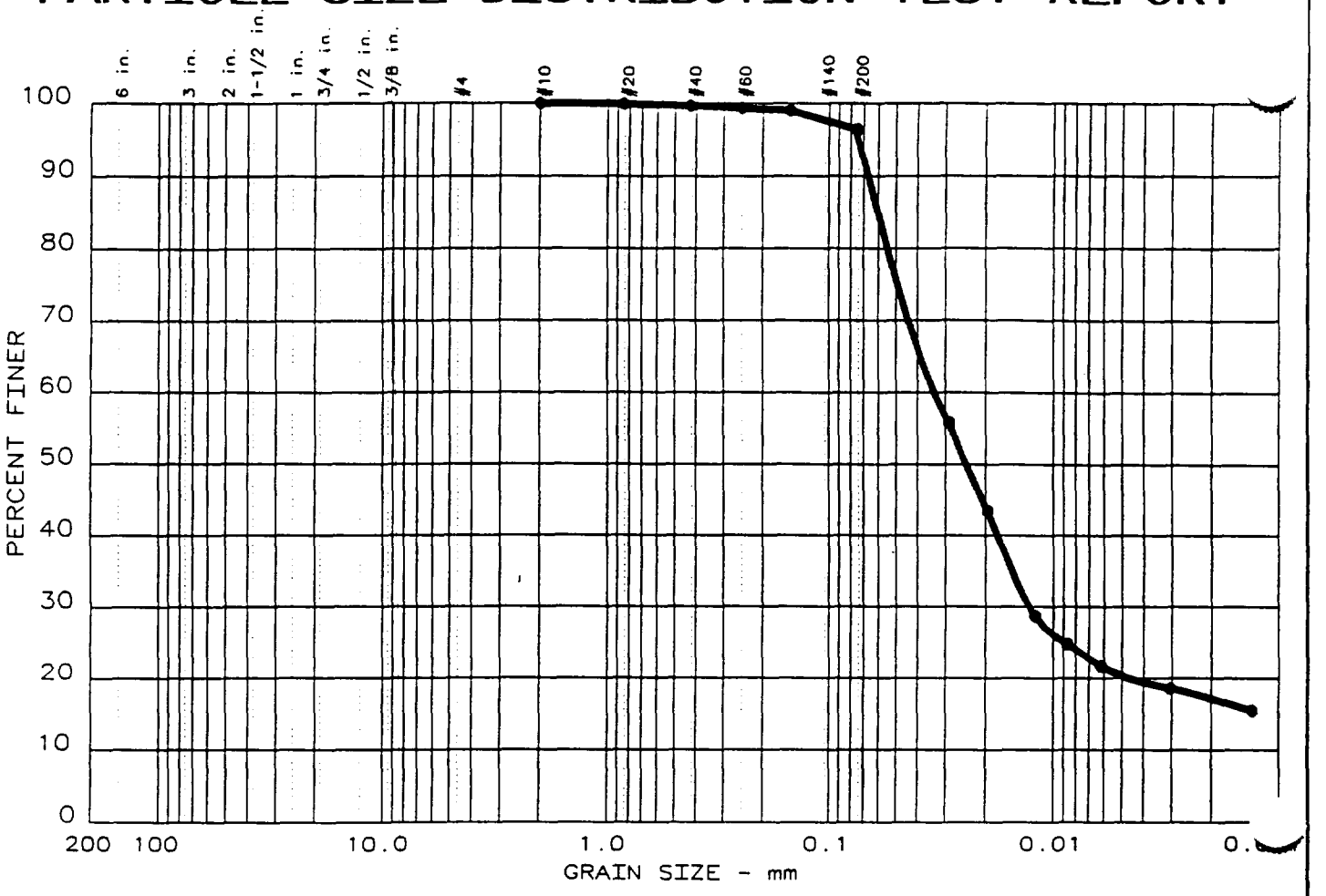
Remarks Because of the omission of some of the mechanical analysis test data, please find enclosed copies of revised grain size distribution analysis of soil samples on the Solutia Sauget Area 1 Project and substitute them for test reports mailed on 11/16/99. We apologize for any inconvenience this may have caused you. If there are any questions regarding this submittal, please feel free to call.Thompson Engineering Testing, Inc. appreciates the opportunity to be of continued service to O'Brien & Gere Engineers, Inc.

M. Helen Adams-Morales, P. E.
Vice President of Engineering
Alabama Registration No. 16215

Dale Nobles
Materials Laboratory Manager

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

PARTICLE SIZE DISTRIBUTION TEST REPORT



	Test	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
●		0.0	0.0	3.7	76.0	20.3

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
●	- - -	- - -	0.06	0.03	0.02	0.013				

MATERIAL DESCRIPTION	USCS	AASHTO
● SILT, TRACE SAND	- - -	- - -

Project No.: 1999-00-0774
Project: SOLUTIA SAUGET AREA 1 PROJECT
● Location: SITE G 14' TO 18'

Date: 11/15/99

Remarks:
CLIENT: O'BRIEN AND GERE ENGINEERS, INC.

PARTICLE SIZE DISTRIBUTION TEST REPORT

THOMPSON ENGINEERING

Figure No. _____

GRAIN SIZE DISTRIBUTION TEST DATA Test No.:

Date: 11/15/99
ɔject No.: 1999-00-0774
ɔject: SOLUTIA SAUGET AREA 1 PROJECT

Sample Data

Location of Sample: SITE G 14' TO 18'
Sample Description: SILT, TRACE SAND
USCS Class: - - - Liquid limit: - - -
AASHTO Class: - - - Plasticity index: - - -

Notes

Remarks: CLIENT: O'BRIEN AND GERE ENGINEERS, INC.

Fig. No.:

Mechanical Analysis Data

	Initial
Dry sample and tare=	296.90
Tare =	0.00
Dry sample weight =	296.90

Sample split on number 10 sieve
Split sample data:
ample and tare = 64.51 Tare = 0 Sample weight = 64.51
Cumulative weight retained tare= 0
Tare for cumulative weight retained= 0

Sieve	Cumul. Wt. retained	Percent finer
# 10	0.00	100.0
# 20	0.06	99.9
# 40	0.22	99.7
# 60	0.44	99.3
# 100	0.63	99.0
# 200	2.36	96.3

Hydrometer Analysis Data

Separation sieve is number 10
Percent -# 10 based on complete sample= 100.0
Weight of hydrometer sample: 66.01
Hygroscopic moisture correction:
Moist weight & tare = 37.78
Dry weight & tare = 37.18
Tare = 11.43
Hygroscopic moisture= 2.3 %
Calculated biased weight= 64.51
Table of composite correction values:

Temp, deg C: 19.5 21.5
Comp. corr: - 8.0 - 8.0
Meniscus correction only= 0
Specific gravity of solids= 2.65
Specific gravity correction factor= 1.000
Hydrometer type: 152H Effective depth L= 16.294964 - 0.164 x Rm

Elapsed time, min	Temp, deg C	Actual reading	Corrected reading	K	Rm	Eff. depth	Diameter mm	Percent finer
2.0	20.3	44.0	36.0	0.0136	44.0	9.1	0.0290	55.8
5.0	20.3	36.0	28.0	0.0136	36.0	10.4	0.0196	43.4
15.0	20.4	26.5	18.5	0.0136	26.5	11.9	0.0121	28.7
30.0	20.5	24.0	16.0	0.0136	24.0	12.4	0.0087	24.8
60.0	20.8	22.0	14.0	0.0135	22.0	12.7	0.0062	21.7
250.0	21.2	20.0	12.0	0.0134	20.0	13.0	0.0031	18.6
1440.0	19.5	18.0	10.0	0.0137	18.0	13.3	0.0013	15.5

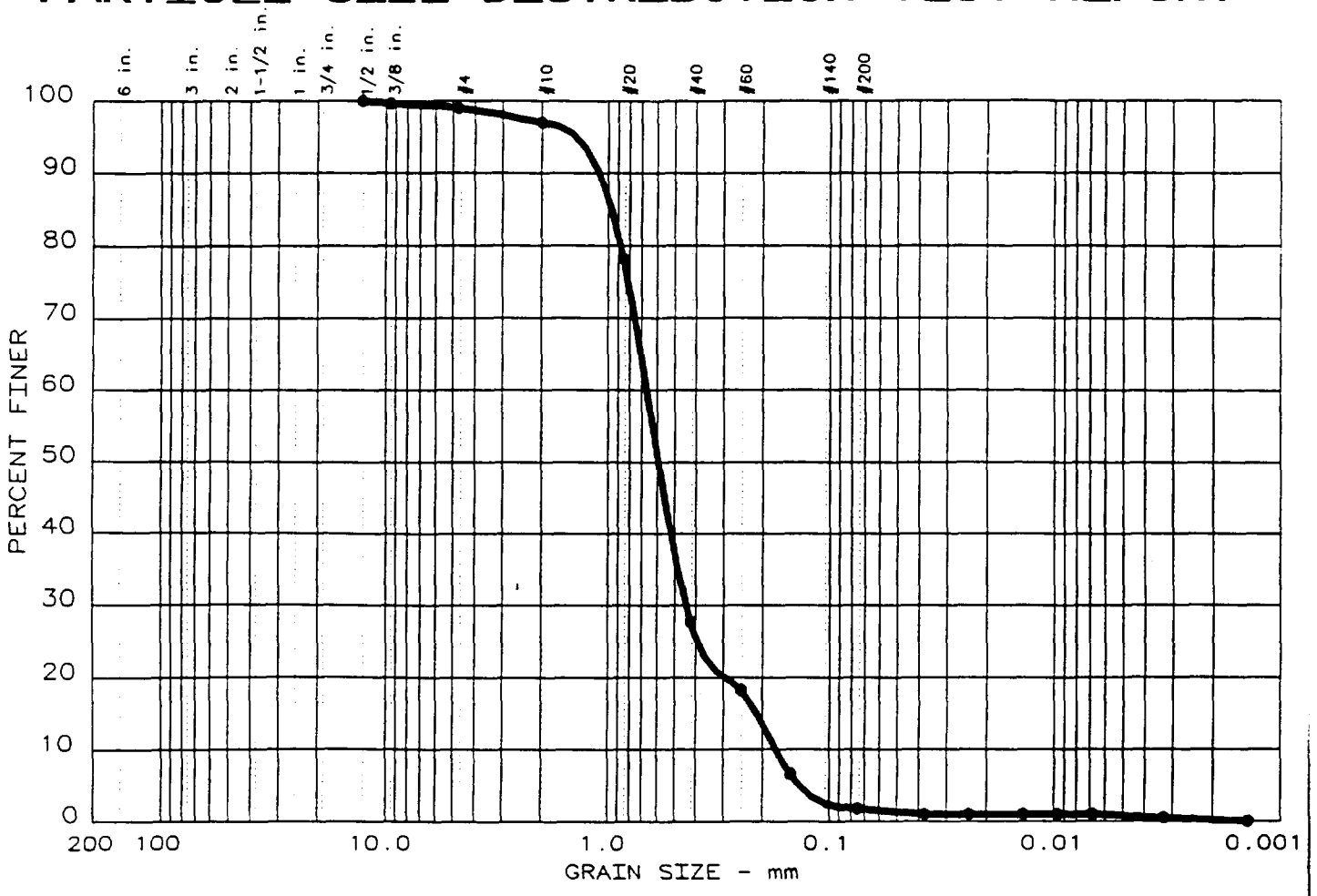
Fractional Components

Gravel/Sand based on #4 sieve
Sand/Fines based on #200 sieve
% + 3 in. = 0.0 % GRAVEL = 0.0 % SAND = 3.7
% SILT = 76.0 % CLAY = 20.3

D85= 0.06 D60= 0.034 D50= 0.024
D30= 0.0128

MATERIALS ENGINEERING LABORATORY

PARTICLE SIZE DISTRIBUTION TEST REPORT



	Test	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
●		0.0	1.0	97.2	1.0	0.8

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
●	- - -	- - -	0.96	0.67	0.59	0.445	0.2104	0.1730	1.72	3.9

MATERIAL DESCRIPTION	USCS	AASHTO
● MEDIUM TO FINE SAND, TRACE GRAVEL	- - -	- - -

Project No.: 1999-00-0774
Project: SOLUTIA SAUGET AREA 1 PROJECT
● Location: SITE G 39' TO 43'

Date: 11/18/99 **(REVISED)**

Remarks:
CLIENT: O'BRIEN AND GERE ENGINEERS, INC.

PARTICLE SIZE DISTRIBUTION TEST REPORT

THOMPSON ENGINEERING

Figure No. _____

GRAIN SIZE DISTRIBUTION TEST DATA

Test No.:

Date: 11/18/99 (REVISED)
oject No.: 1999-00-0774
oject: SOLUTIA SAUGET AREA 1 PROJECT

Sample Data

Location of Sample: SITE G 39' TO 43'
Sample Description: MEDIUM TO FINE SAND, TRACE GRAVEL
USCS Class: - - - Liquid limit: - - -
AASHTO Class: - - - Plasticity index: - - -

Notes

Remarks: CLIENT: O'BRIEN AND GERE ENGINEERS, INC.

Fig. No.:

Mechanical Analysis Data

Initial
Dry sample and tare= 342.58
Tare = 0.00
Dry sample weight = 342.58
Sample split on number 10 sieve
Split sample data:
ample and tare = 100.3 Tare = 0 Sample weight = 100.3
Cumulative weight retained tare= 0
Tare for cumulative weight retained= 0

Sieve	Cumul. Wt. retained	Percent finer
0.5 inches	0.00	100.0
0.375 inches	1.30	99.6
# 4	3.51	99.0
# 10	10.37	97.0
# 20	19.41	78.2
# 40	71.60	27.7
# 60	81.39	18.3
# 100	93.45	6.6
# 200	98.48	1.8

Hydrometer Analysis Data

Separation sieve is number 10
Percent -# 10 based on complete sample= 97.0
Weight of hydrometer sample: 100.47
Hygroscopic moisture correction:
Moist weight & tare = 53.54
Dry weight & tare = 53.47
Tare = 11.15

Hygroscopic moisture= 0.2 %
Calculated biased weight= 103.44
Table of composite correction values:
Temp, deg C: 18.5 21.0
Comp. corr: - 8.0 - 8.0
Viscus correction only= 0
Specific gravity of solids= 2.65
Specific gravity correction factor= 1.000
Hydrometer type: 152H Effective depth L= 16.294964 - 0.164 x Rm

Elapsed time, min	Temp, deg C	Actual reading	Corrected reading	K	Rm	Eff. depth	Diameter mm	Percent finer
2.0	18.6	9.0	1.0	0.0139	9.0	14.8	0.0378	1.0
5.0	18.6	9.0	1.0	0.0139	9.0	14.8	0.0239	1.0
15.0	18.7	9.0	1.0	0.0139	9.0	14.8	0.0138	1.0
30.0	19.1	9.0	1.0	0.0138	9.0	14.8	0.0097	1.0
60.0	19.4	9.0	1.0	0.0137	9.0	14.8	0.0068	1.0
250.0	20.6	8.5	0.5	0.0135	8.5	14.9	0.0033	0.5
1440.0	19.3	8.0	0.0	0.0138	8.0	15.0	0.0014	0.0

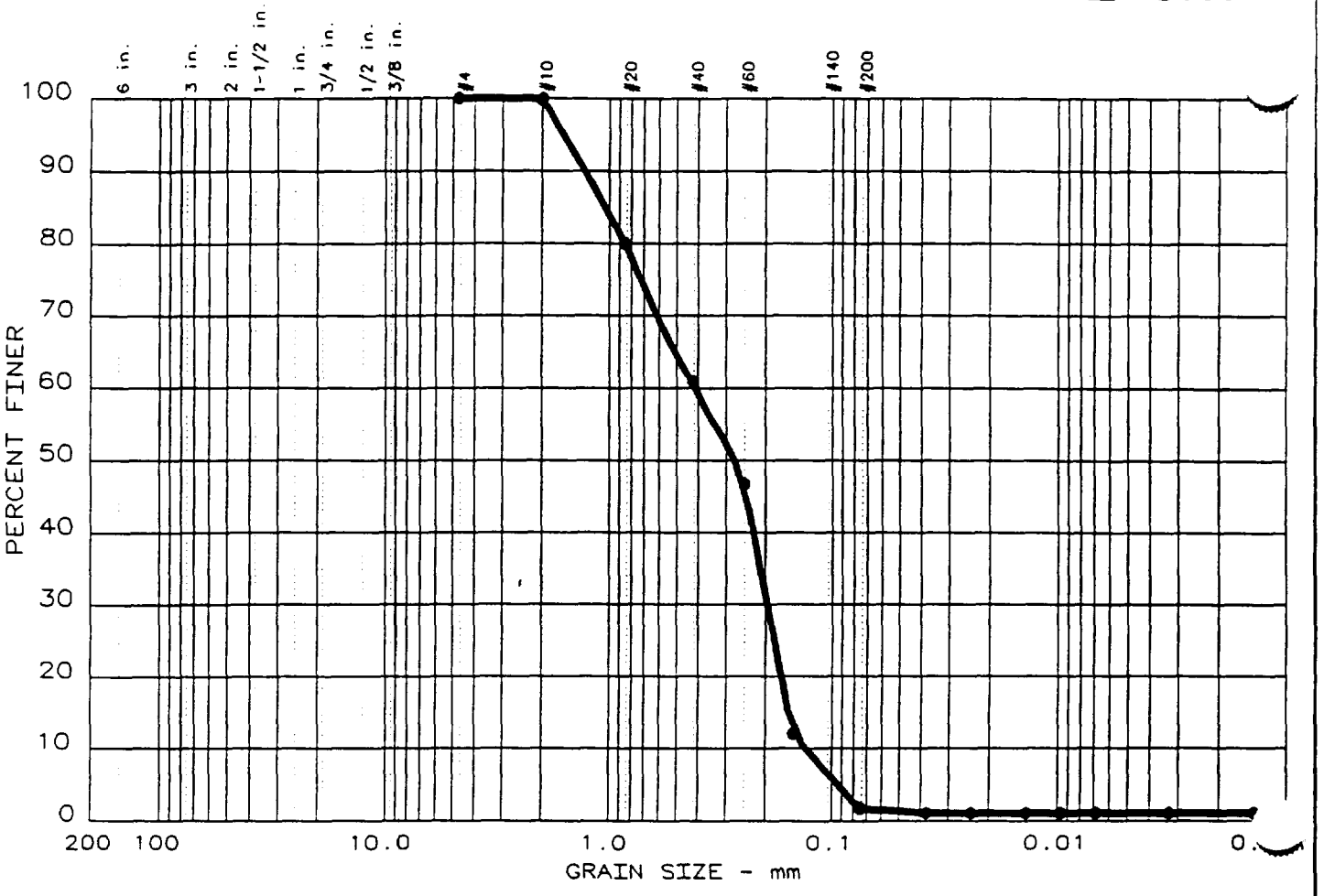
Fractional Components

Gravel/Sand based on #4 sieve
Sand/Fines based on #200 sieve
% + 3 in. = 0.0 % GRAVEL = 1.0 % SAND = 97.2
% SILT = 1.0 % CLAY = 0.8

D85= 0.96 D60= 0.666 D50= 0.590
D30= 0.4446 D15= 0.21038 D10= 0.17298
Cc = 1.7159 Cu = 3.8503

MATERIALS ENGINEERING LABORATORY

PARTICLE SIZE DISTRIBUTION TEST REPORT



	Test	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
●		0.0	0.0	98.3	0.6	1.1

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
●	- - -	- - -	1.04	0.41	0.27	0.195	0.1565	0.1302	0.71	3.2

MATERIAL DESCRIPTION	USCS	AASHTO
● MEDIUM TO FINE SAND	- - -	- - -

Project No.: 1999-00-0774
Project: SOLUTIA SAUGET AREA 1 PROJECT
● Location: SITE G 58' TO 62'

Date: 11/15/99

Remarks:
CLIENT: O'BRIEN AND GERE ENGINEERS, INC.

PARTICLE SIZE DISTRIBUTION TEST REPORT

THOMPSON ENGINEERING

Figure No. _____

GRAIN SIZE DISTRIBUTION TEST DATA Test No.:

Date: 11/15/99
Project No.: 1999-00-0774
Project: SOLUTIA SAUGET AREA 1 PROJECT

Sample Data

Location of Sample: SITE G 58' TO 62'
Sample Description: MEDIUM TO FINE SAND
USCS Class: - - - Liquid limit: - - -
AASHTO Class: - - - Plasticity index: - - -

Notes

Remarks: CLIENT: O'BRIEN AND GERE ENGINEERS, INC.

Fig. No.:

Mechanical Analysis Data

	Initial
Dry sample and tare=	360.29
Tare =	0.00
Dry sample weight =	360.29

Sample split on number 10 sieve
Split sample data:
Sample and tare = 95.85 Tare = 0 Sample weight = 95.85
Cumulative weight retained tare= 0
Tare for cumulative weight retained= 0

Sieve	Cumul. Wt. retained	Percent finer
# 4	0.00	100.0
# 10	0.02	100.0
# 20	19.22	79.9
# 40	37.39	61.0
# 60	51.08	46.7
# 100	84.30	12.0
# 200	94.26	1.7

Hydrometer Analysis Data

Separation sieve is number 10
Percent -# 10 based on complete sample= 100.0
Weight of hydrometer sample: 96.05
Hygroscopic moisture correction:
Moist weight & tare = 49.62
Dry weight & tare = 49.54
Tare = 11.21
Hygroscopic moisture= 0.2 %
Calculated biased weight= 95.86

Table of composite correction values:
Temp, deg C: 18.5 21.0
Comp. corr: - 8.0 - 8.0
Meniscus correction only= 0
Specific gravity of solids= 2.65
Specific gravity correction factor= 1.000
Hydrometer type: 152H Effective depth L= 16.294964 - 0.164 x Rm

Elapsed time, min	Temp, deg C	Actual reading	Corrected reading	K	Rm	Eff. depth	Diameter mm	Percent finer
2.0	18.6	9.0	1.0	0.0139	9.0	14.8	0.0378	1.0
5.0	18.6	9.0	1.0	0.0139	9.0	14.8	0.0239	1.0
15.0	18.7	9.0	1.0	0.0139	9.0	14.8	0.0138	1.0
30.0	19.0	9.0	1.0	0.0138	9.0	14.8	0.0097	1.0
60.0	19.4	9.0	1.0	0.0137	9.0	14.8	0.0068	1.0
250.0	20.6	9.0	1.0	0.0135	9.0	14.8	0.0033	1.0
1440.0	19.2	9.0	1.0	0.0138	9.0	14.8	0.0014	1.0

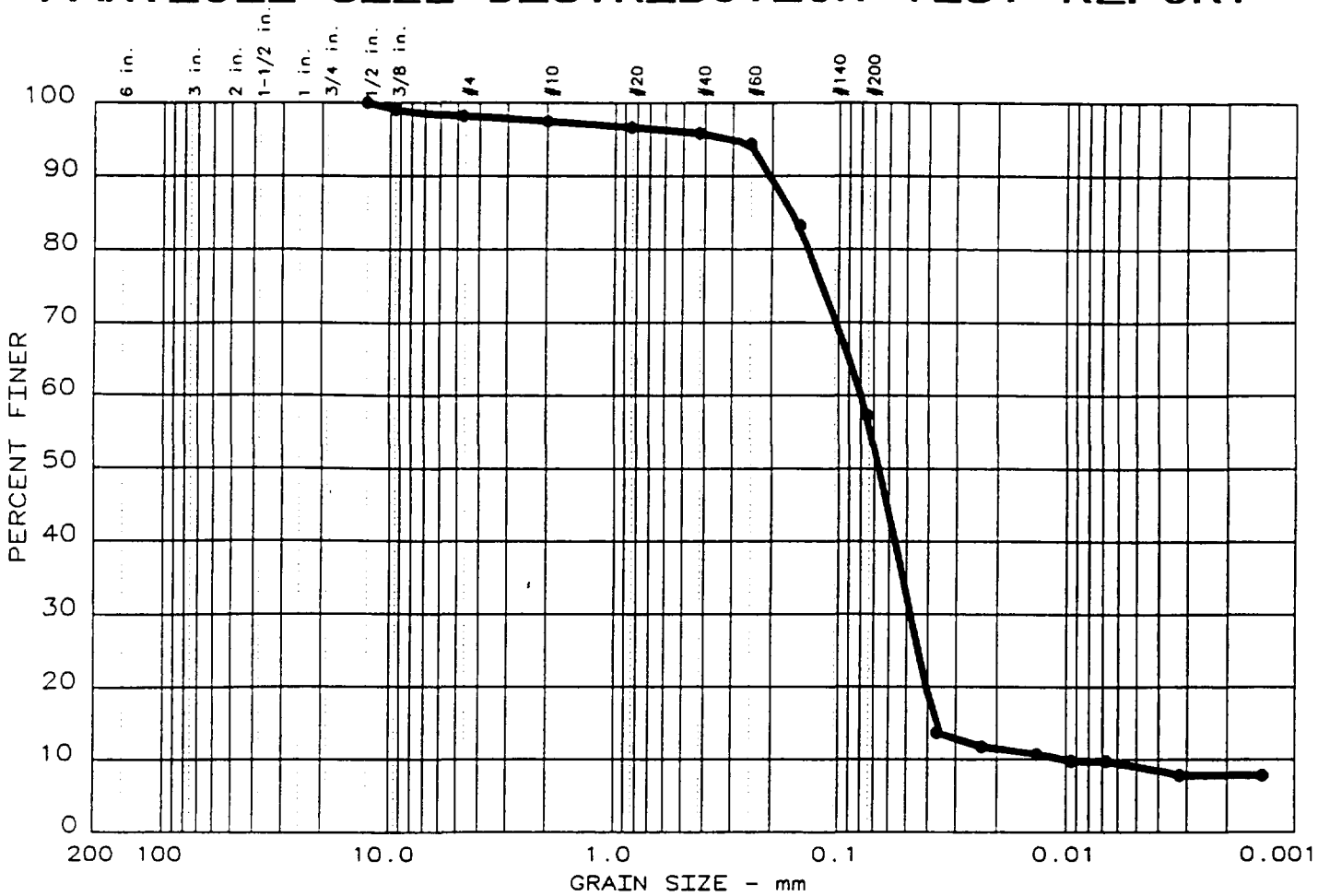
Fractional Components

Gravel/Sand based on #4 sieve
Sand/Fines based on #200 sieve
% + 3 in. = 0.0 % GRAVEL = 0.0 % SAND = 98.3
% SILT = 0.6 % CLAY = 1.1

D85= 1.04 D60= 0.411 D50= 0.275
D30= 0.1952 D15= 0.15649 D10= 0.13017
Cc = 0.7120 Cu = 3.1586

MATERIALS ENGINEERING LABORATORY

PARTICLE SIZE DISTRIBUTION TEST REPORT



	Test	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
●	6	0.0	1.8	40.9	48.3	9.0

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
●	- - -	- - -	0.16	0.08	0.07	0.048	0.0373	0.0103	2.80	7.7

MATERIAL DESCRIPTION	USCS	AASHTO
● FINE SANDY SILT, TRACE GRAVEL	- - -	- - -

Project No.: 1999-00-0774
Project: SOLUTIA SAUGET AREA 1 PROJECT
● Location: SITE H 15-20

Date: 11/04/99

Remarks:
CLIENT: O'BRIEN AND GERE ENGINEERS, INC.

PARTICLE SIZE DISTRIBUTION TEST REPORT
THOMPSON ENGINEERING

Figure No. _____

GRAIN SIZE DISTRIBUTION TEST DATA Test No.: 6

Date: 11/04/99
Project No.: 1999-00-0774
Project: SOLUTIA SAUGET AREA 1 PROJECT

Sample Data

Location of Sample: SITE H 15-20
Sample Description: FINE SANDY SILT, TRACE GRAVEL
USCS Class: - - - Liquid limit: - - -
AASHTO Class: - - - Plasticity index: - - -

Notes

Remarks: CLIENT: O'BRIEN AND GERE ENGINEERS, INC.

Fig. No.:

Mechanical Analysis Data

	Initial
Dry sample and tare=	245.52
Tare =	0.00
Dry sample weight =	245.52

Sample split on number 10 sieve
Split sample data:
Sample and tare = 49.76 Tare = 0 Sample weight = 49.76
Cumulative weight retained tare= 0
Tare for cumulative weight retained= 0

Sieve	Cumul. Wt. retained	Percent finer
0.5 inches	0.00	100.0
0.375 inches	2.45	99.0
# 4	4.49	98.2
# 10	6.34	97.4
# 20	0.40	96.6
# 40	0.81	95.8
# 60	1.57	94.3
# 100	7.26	83.2
# 200	20.50	57.3

Hydrometer Analysis Data

Separation sieve is number 10
Percent -# 10 based on complete sample= 97.4
Weight of hydrometer sample: 50.35
Hygroscopic moisture correction:
Moist weight & tare = 53.33
Dry weight & tare = 52.84
Tare = 11.27

Hygroscopic moisture= 1.2 %
Calculated biased weight= 51.08
Table of composite correction values:
Temp, deg C: 17.0 21.0
Comp. corr: - 8.0 - 8.0
Meniscus correction only= 0
Specific gravity of solids= 2.65
Specific gravity correction factor= 1.000
Hydrometer type: 152H Effective depth L= 16.294964 - 0.164 x Rm

Elapsed time, min	Temp, deg C	Actual reading	Corrected reading	K	Rm	Eff. depth	Diameter mm	Percent finer
2.0	18.5	15.0	7.0	0.0139	15.0	13.8	0.0366	13.7
5.0	18.5	14.0	6.0	0.0139	14.0	14.0	0.0233	11.7
15.0	18.5	13.5	5.5	0.0139	13.5	14.1	0.0135	10.8
30.0	18.5	13.0	5.0	0.0139	13.0	14.2	0.0096	9.8
60.0	18.7	13.0	5.0	0.0139	13.0	14.2	0.0067	9.8
250.0	20.5	12.0	4.0	0.0136	12.0	14.3	0.0032	7.8
1440.0	17.5	12.0	4.0	0.0141	12.0	14.3	0.0014	7.8

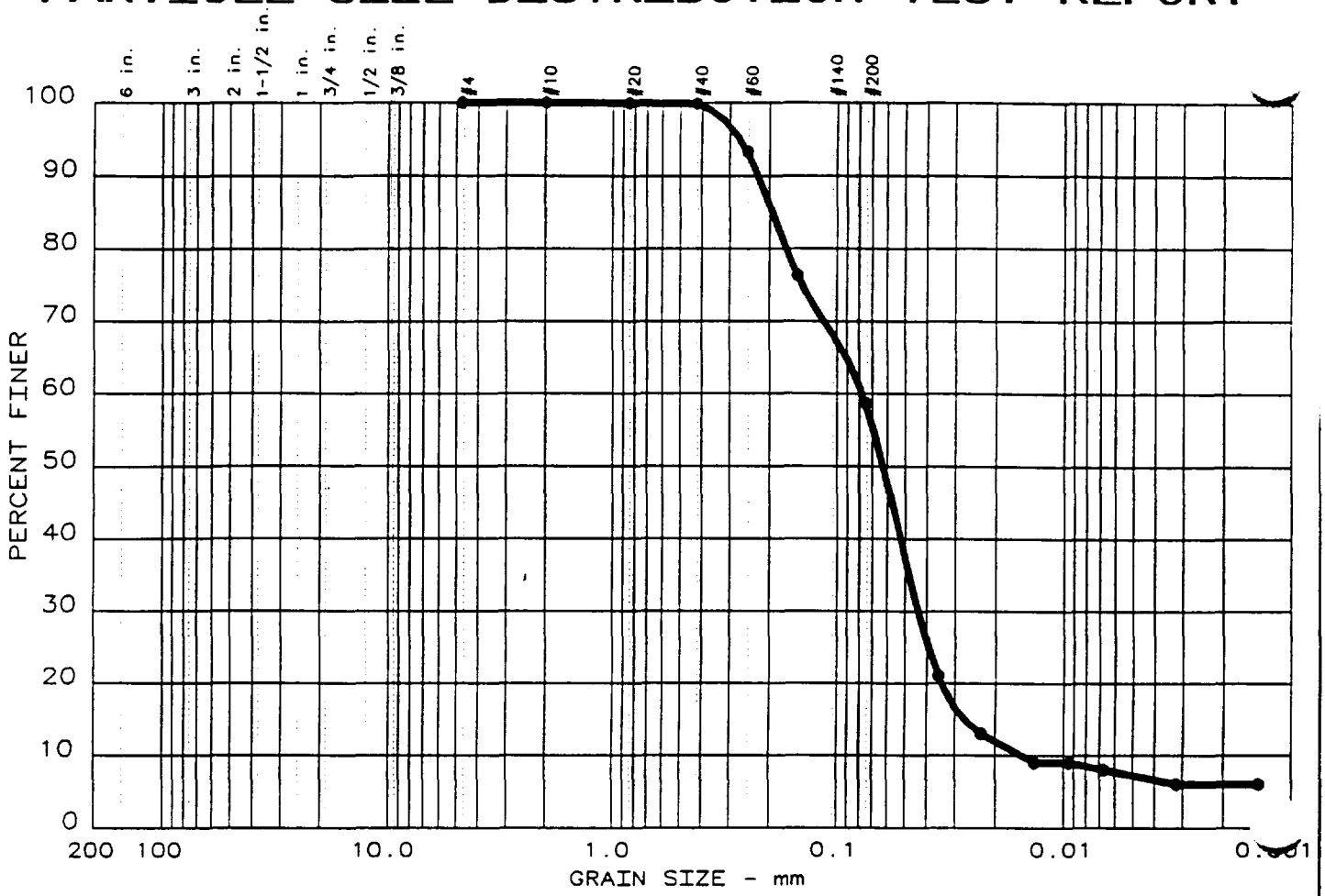
Fractional Components

Gravel/Sand based on #4 sieve
Sand/Fines based on #200 sieve
% + 3 in. = 0.0 % GRAVEL = 1.8 % SAND = 40.9
% SILT = 48.3 % CLAY = 9.0

D85= 0.16 D60= 0.079 D50= 0.066
D30= 0.0478 D15= 0.03733 D10= 0.01028
Cc = 2.7990 Cu = 7.7268

Leroy Bailey
MATERIALS ENGINEERING LABORATORY

PARTICLE SIZE DISTRIBUTION TEST REPORT



	Test	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
●	7	0.0	0.0	41.3	51.5	7.2

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
●	- - -	- - -	0.19	0.08	0.06	0.044	0.0272	0.0153	1.61	5.0

MATERIAL DESCRIPTION	USCS	AASHTO
● FINE SANDY SILT	- - -	- - -

Project No.: 1999-00-0774
Project: SOLUTIA SAUGET AREA 1 PROJECT
● Location: SITE H 39-43

Date: 11/04/99

Remarks:
CLIENT: O'BRIEN AND GERE ENGINEERS, INC.

PARTICLE SIZE DISTRIBUTION TEST REPORT

THOMPSON ENGINEERING

Figure No. _____

GRAIN SIZE DISTRIBUTION TEST DATA Test No.: 7

Date: 11/04/99
Project No.: 1999-00-0774
Project: SOLUTIA SAUGET AREA 1 PROJECT

Sample Data

Location of Sample: SITE H 39-43
Sample Description: FINE SANDY SILT
USCS Class: - - - Liquid limit: - - -
AASHTO Class: - - - Plasticity index: - - -

Notes

Remarks: CLIENT: O'BRIEN AND GERE ENGINEERS, INC.

Fig. No.:

Mechanical Analysis Data

	Initial
Dry sample and tare=	239.10
Tare =	0.00
Dry sample weight =	239.10

Sample split on number 10 sieve
Wet sample data:
Sample and tare = 49.8 Tare = 0 Sample weight = 49.8
Cumulative weight retained tare= 0
Tare for cumulative weight retained= 0

Sieve	Cumul. Wt. retained	Percent finer
# 4	0.00	100.0
# 10	0.00	100.0
# 20	0.02	100.0
# 40	0.05	99.9
# 60	3.35	93.3
# 100	11.78	76.3
# 200	20.57	58.7

Hydrometer Analysis Data

Separation sieve is number 10
Percent -# 10 based on complete sample= 100.0
Weight of hydrometer sample: 50.36
Hygroscopic moisture correction:
Moist weight & tare = 58.44
Dry weight & tare = 57.92
Tare = 11.38
Hygroscopic moisture= 1.1 %
Calculated biased weight= 49.80

Table of composite correction values:
Temp, deg C: 17.0 22.0
Comp. corr: - 8.0 - 8.0
Meniscus correction only= 0
Specific gravity of solids= 2.65
Specific gravity correction factor= 1.000
Hydrometer type: 152H Effective depth L= 16.294964 - 0.164 x Rm

Elapsed time, min	Temp, deg C	Actual reading	Corrected reading	K	Rm	Eff. depth	Diameter mm	Percent finer
2.0	18.7	18.5	10.5	0.0139	18.5	13.3	0.0357	21.1
5.0	18.7	14.5	6.5	0.0139	14.5	13.9	0.0231	13.1
15.0	18.8	12.5	4.5	0.0139	12.5	14.2	0.0135	9.0
30.0	18.9	12.5	4.5	0.0138	12.5	14.2	0.0095	9.0
60.0	19.2	12.0	4.0	0.0138	12.0	14.3	0.0067	8.0
250.0	21.6	11.0	3.0	0.0134	11.0	14.5	0.0032	6.0
1440.0	17.9	11.0	3.0	0.0140	11.0	14.5	0.0014	6.0

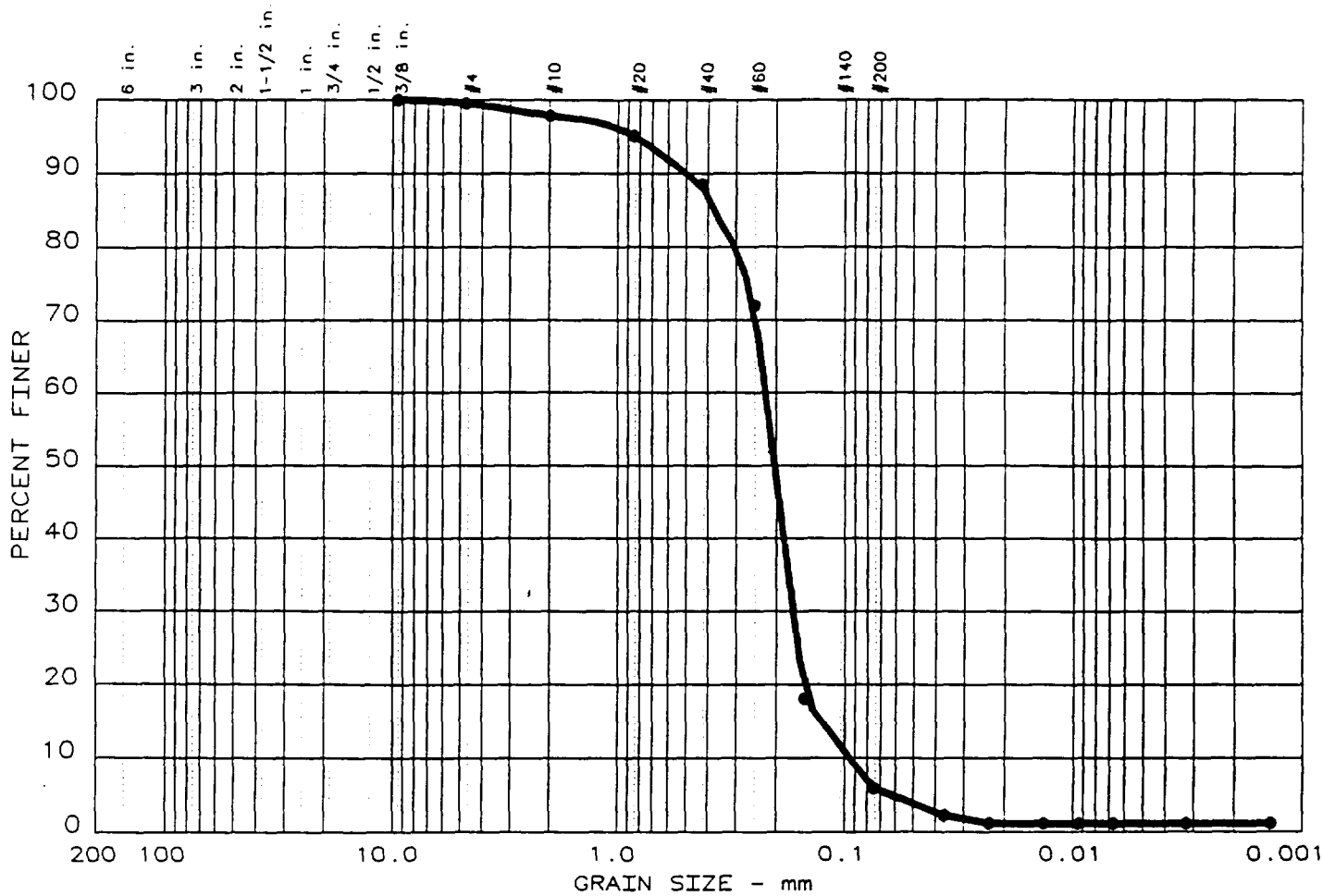
Fractional Components

Gravel/Sand based on #4 sieve
Sand/Fines based on #200 sieve
% + 3 in. = 0.0 % GRAVEL = 0.0 % SAND = 41.3
% SILT = 51.5 % CLAY = 7.2

D85= 0.19 D60= 0.077 D50= 0.063
D30= 0.0437 D15= 0.02723 D10= 0.01531
Cc = 1.6125 Cu = 5.0408

Leroy Bailey
MATERIALS ENGINEERING LABORATORY

PARTICLE SIZE DISTRIBUTION TEST REPORT



	Test	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
●		0.0	0.5	93.6	4.8	1.1

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
●	- - -	- - -	0.38	0.22	0.20	0.168	0.1245	0.0944	1.34	2.4

MATERIAL DESCRIPTION	USCS	AASHTO
● FINE SAND	- - -	- - -

Project No.: 1999-00-0774
Project: SOLUTIA SAUGET AREA 1 PROJECT
● Location: SITE H 58' TO 62'

Date: 11/18/99 **(REVISED)**

Remarks:
CLIENT: O'BRIEN AND GERE ENGINEERS, INC.

PARTICLE SIZE DISTRIBUTION TEST REPORT

THOMPSON ENGINEERING

Figure No. _____

GRAIN SIZE DISTRIBUTION TEST DATA

Test No.:

Date: 11/18/99 (REVISED)
oject No.: 1999-00-0774
oject: SOLUTIA SAUGET AREA 1 PROJECT

Sample Data

Location of Sample: SITE H 58' TO 62'
Sample Description: FINE SAND
USCS Class: - - -
Liquid limit: - - -
AASHTO Class: - - -
Plasticity index: - - -

Notes

Remarks: CLIENT: O'BRIEN AND GERE ENGINEERS, INC.

Fig. No.:

Mechanical Analysis Data

	Initial
Dry sample and tare=	308.76
Tare =	0.00
Dry sample weight =	308.76

Sample split on number 10 sieve
Split sample data:
ample and tare = 87.16 Tare = 0 Sample weight = 87.16
Cumulative weight retained tare= 0
Tare for cumulative weight retained= 0

Sieve	Cumul. Wt. retained	Percent finer
0.375 inches	0.00	100.0
# 4	1.56	99.5
# 10	6.64	97.8
# 20	2.46	95.1
# 40	8.33	88.5
# 60	23.04	72.0
# 100	71.02	18.1
# 200	81.87	5.9

Hydrometer Analysis Data

Separation sieve is number 10
Percent -# 10 based on complete sample= 97.8
Weight of hydrometer sample: 87.52
Hygroscopic moisture correction:
Moist weight & tare = 47.58
Dry weight & tare = 47.43
Tare = 11.10
Hygroscopic moisture= 0.4 %

Calculated biased weight= 89.08
Table of composite correction values:
Temp, deg C: 19.5 22.0
Comp. corr: - 8.0 - 8.0
Viscus correction only= 0
Specific gravity of solids= 2.65
Specific gravity correction factor= 1.000
Hydrometer type: 152H Effective depth L= 16.294964 - 0.164 x Rm

Elapsed time, min	Temp, deg C	Actual reading	Corrected reading	K	Rm	Eff. depth	Diameter mm	Percent finer
2.0	20.4	10.0	2.0	0.0136	10.0	14.7	0.0368	2.2
5.0	20.4	9.0	1.0	0.0136	9.0	14.8	0.0234	1.1
15.0	20.4	9.0	1.0	0.0136	9.0	14.8	0.0135	1.1
30.0	20.8	9.0	1.0	0.0135	9.0	14.8	0.0095	1.1
60.0	21.0	9.0	1.0	0.0135	9.0	14.8	0.0067	1.1
250.0	21.7	9.0	1.0	0.0134	9.0	14.8	0.0033	1.1
1440.0	19.6	9.0	1.0	0.0137	9.0	14.8	0.0014	1.1

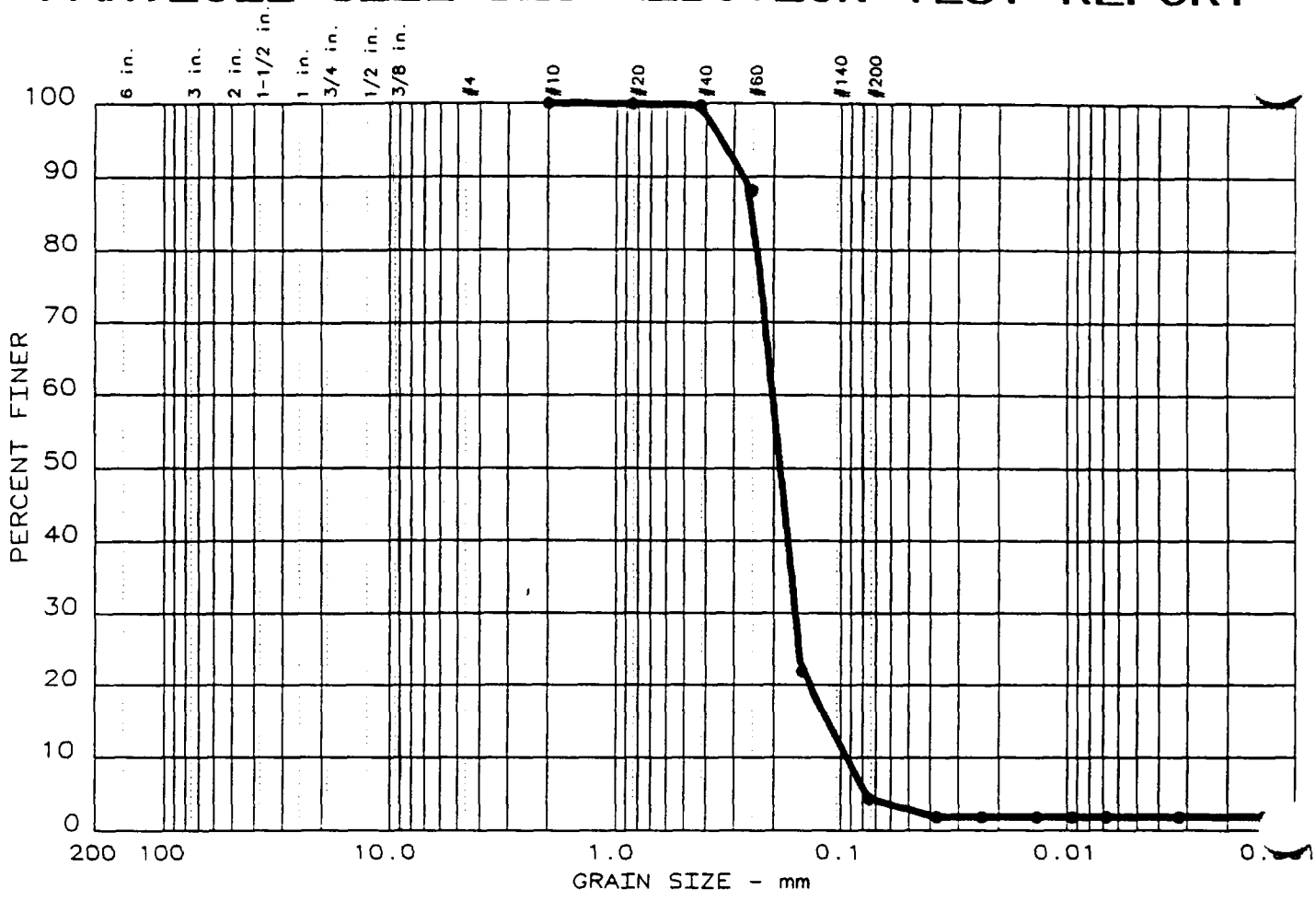
Fractional Components

Gravel/Sand based on #4 sieve
Sand/Fines based on #200 sieve
% + 3 in. = 0.0 % GRAVEL = 0.5 % SAND = 93.6
% SILT = 4.8 % CLAY = 1.1

D85= 0.38 D60= 0.223 D50= 0.203
D30= 0.1679 D15= 0.12445 D10= 0.09441
Cc = 1.3381 Cu = 2.3632

MATERIALS ENGINEERING LABORATORY

PARTICLE SIZE DISTRIBUTION TEST REPORT



	Test	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
●		0.0	0.0	95.7	2.5	1.8

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
●	- - -	- - -	0.24	0.20	0.19	0.160	0.1140	0.0938	1.35	2.1

MATERIAL DESCRIPTION	USCS	AASHTO
● FINE SAND	- - -	- - -

Project No.: 1999-00-0774
Project: SOLUTIA SAUGET AREA 1 PROJECT
● Location: SITE I 21.5' TO 24'

Date: 11/15/99

Remarks:
CLIENT: O'BRIEN AND GERE ENGINEERS, INC.

PARTICLE SIZE DISTRIBUTION TEST REPORT
THOMPSON ENGINEERING

Figure No. _____

GRAIN SIZE DISTRIBUTION TEST DATA Test No.:

Date: 11/15/99
Project No.: 1999-00-0774
Project: SOLUTIA SAUGET AREA 1 PROJECT

Sample Data

Location of Sample: SITE I 21.5' TO 24'
Sample Description: FINE SAND
USCS Class: - - - Liquid limit: - - -
AASHTO Class: - - - Plasticity index: - - -

Notes

Remarks: CLIENT: O'BRIEN AND GERE ENGINEERS, INC.

Fig. No.:

Mechanical Analysis Data

	Initial
Dry sample and tare=	276.28
Tare =	0.00
Dry sample weight =	276.28

Sample split on number 10 sieve
Split sample data:
Sample and tare = 82.94 Tare = 0 Sample weight = 82.94
Cumulative weight retained tare= 0
Tare for cumulative weight retained= 0

Sieve	Cumul. Wt. retained	Percent finer
# 10	0.00	100.0
# 20	0.08	99.9
# 40	0.22	99.7
# 60	9.87	88.1
# 100	64.73	22.0
# 200	79.36	4.3

Hydrometer Analysis Data

Separation sieve is number 10
Percent -# 10 based on complete sample= 100.0
Weight of hydrometer sample: 83.26
Hygroscopic moisture correction:
Moist weight & tare = 50.72
Dry weight & tare = 50.57
Tare = 11.13
Hygroscopic moisture= 0.4 %
Calculated biased weight= 82.94
Table of composite correction values:

Temp, deg C: 18.5 21.0
Comp. corr: - 8.0 - 8.0
Meniscus correction only= 0
Specific gravity of solids= 2.65
Specific gravity correction factor= 1.000
Hydrometer type: 152H Effective depth L= 16.294964 - 0.164 x Rm

Elapsed time, min	Temp, deg C	Actual reading	Corrected reading	K	Rm	Eff. depth	Diameter mm	Percent finer
2.0	18.8	9.5	1.5	0.0139	9.5	14.7	0.0376	1.8
5.0	18.8	9.5	1.5	0.0139	9.5	14.7	0.0238	1.8
15.0	19.0	9.5	1.5	0.0138	9.5	14.7	0.0137	1.8
30.0	20.2	9.5	1.5	0.0136	9.5	14.7	0.0095	1.8
60.0	19.7	9.5	1.5	0.0137	9.5	14.7	0.0068	1.8
250.0	20.9	9.5	1.5	0.0135	9.5	14.7	0.0033	1.8
1440.0	19.4	9.5	1.5	0.0137	9.5	14.7	0.0014	1.8

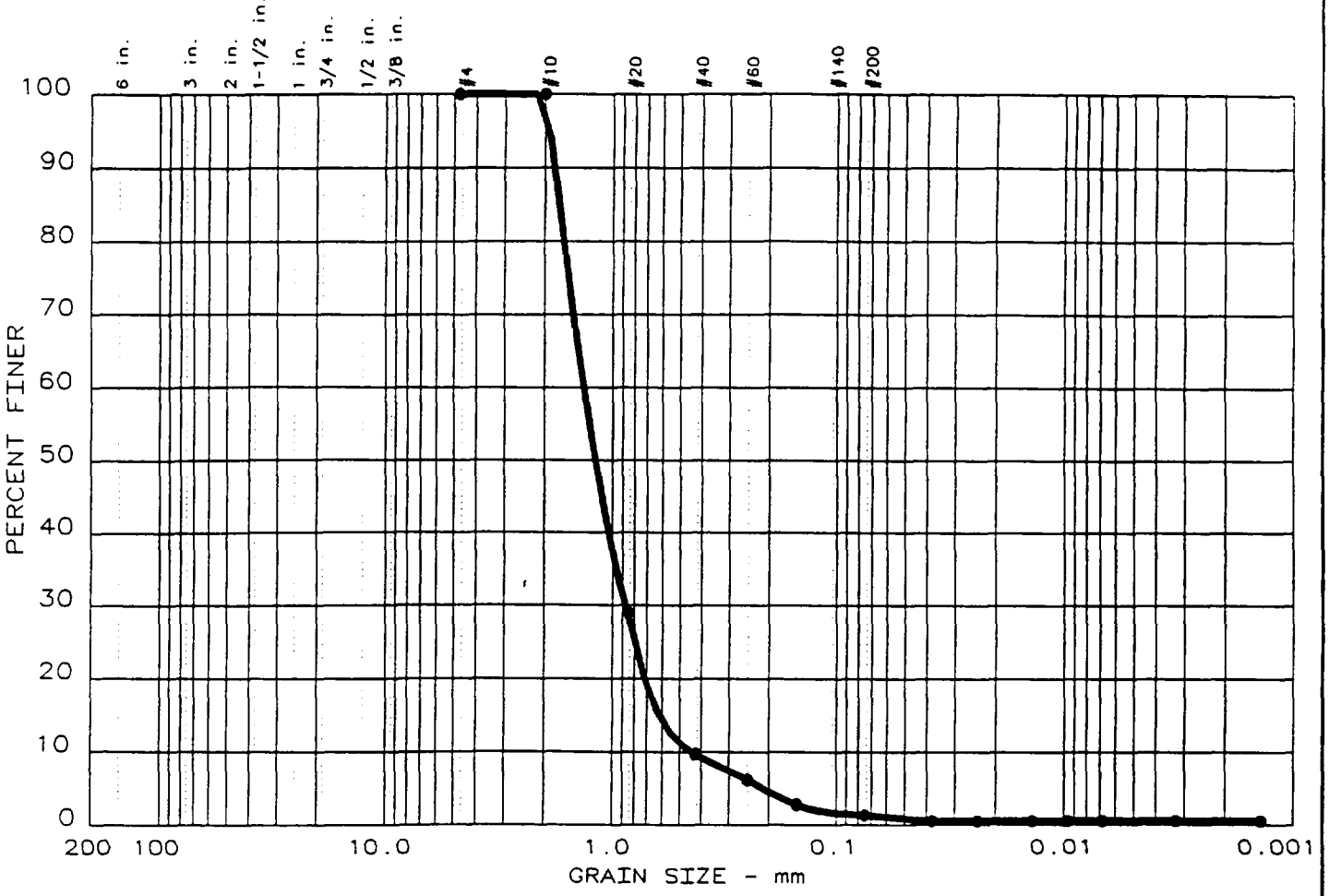
Fractional Components

Gravel/Sand based on #4 sieve
Sand/Fines based on #200 sieve
% + 3 in. = 0.0 % GRAVEL = 0.0 % SAND = 95.7
% SILT = 2.5 % CLAY = 1.8

D85= 0.24 D60= 0.201 D50= 0.186
D30= 0.1596 D15= 0.11402 D10= 0.09376
Cc = 1.3505 Cu = 2.1454

MATERIALS ENGINEERING LABORATORY

PARTICLE SIZE DISTRIBUTION TEST REPORT



	Test	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
●		0.0	0.0	98.7	0.8	0.5

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
●	- - -	- - -	1.73	1.34	1.19	0.870	0.6145	0.4350	1.30	3.1

MATERIAL DESCRIPTION	USCS	AASHTO
● MEDIUM SAND	- - -	- - -

Project No.: 1999-00-0774
Project: SOLUTIA SAUGET AREA 1 PROJECT
● Location: SITE I 40' TO 44'

Date: 11/15/99

Remarks:
CLIENT: O'BRIEN AND GERE ENGINEERS, INC.

PARTICLE SIZE DISTRIBUTION TEST REPORT

THOMPSON ENGINEERING

Figure No. _____

GRAIN SIZE DISTRIBUTION TEST DATA

Test No.:

Date: 11/15/99
Project No.: 1999-00-0774
Project: SOLUTIA SAUGET AREA 1 PROJECT

Sample Data

Location of Sample: SITE I 40' TO 44'
Sample Description: MEDIUM SAND
USCS Class: - - - Liquid limit: - - -
AASHTO Class: - - - Plasticity index: - - -

Notes

Remarks: CLIENT: O'BRIEN AND GERE ENGINEERS, INC.

Fig. No.:

Mechanical Analysis Data

	Initial
Dry sample and tare=	1207.06
Tare =	0.00
Dry sample weight =	1207.06

Sample split on number 10 sieve
Split sample data:
Sample and tare = 101.06 Tare = 0 Sample weight = 101.06
Cumulative weight retained tare= 0
Tare for cumulative weight retained= 0

Sieve	Cumul. Wt. retained	Percent finer
# 4	0.00	100.0
# 10	0.34	100.0
# 20	71.73	29.0
# 40	91.22	9.7
# 60	94.79	6.2
# 100	98.26	2.8
# 200	99.72	1.3

Hydrometer Analysis Data

Separation sieve is number 10
Percent -# 10 based on complete sample= 100.0
Weight of hydrometer sample: 101.23
Hygroscopic moisture correction:
Moist weight & tare = 51.97
Dry weight & tare = 51.89
Tare = 11.10
Hygroscopic moisture= 0.2 %
Calculated biased weight= 101.06

Table of composite correction values:
Temp, deg C: 18.5 21.0
Comp. corr: - 8.0 - 8.0
Meniscus correction only= 0
:ific gravity of solids= 2.65
ecific gravity correction factor= 1.000
Hydrometer type: 152H Effective depth L= 16.294964 - 0.164 x Rm

Elapsed time, min	Temp, deg C	Actual reading	Corrected reading	K	Rm	Eff. depth	Diameter mm	Percent finer
2.0	18.7	8.5	0.5	0.0139	8.5	14.9	0.0379	0.5
5.0	18.7	8.5	0.5	0.0139	8.5	14.9	0.0239	0.5
15.0	19.0	8.5	0.5	0.0138	8.5	14.9	0.0138	0.5
30.0	19.2	8.5	0.5	0.0138	8.5	14.9	0.0097	0.5
60.0	19.4	8.5	0.5	0.0137	8.5	14.9	0.0069	0.5
250.0	20.9	8.5	0.5	0.0135	8.5	14.9	0.0033	0.5
1440.0	19.5	8.5	0.5	0.0137	8.5	14.9	0.0014	0.5

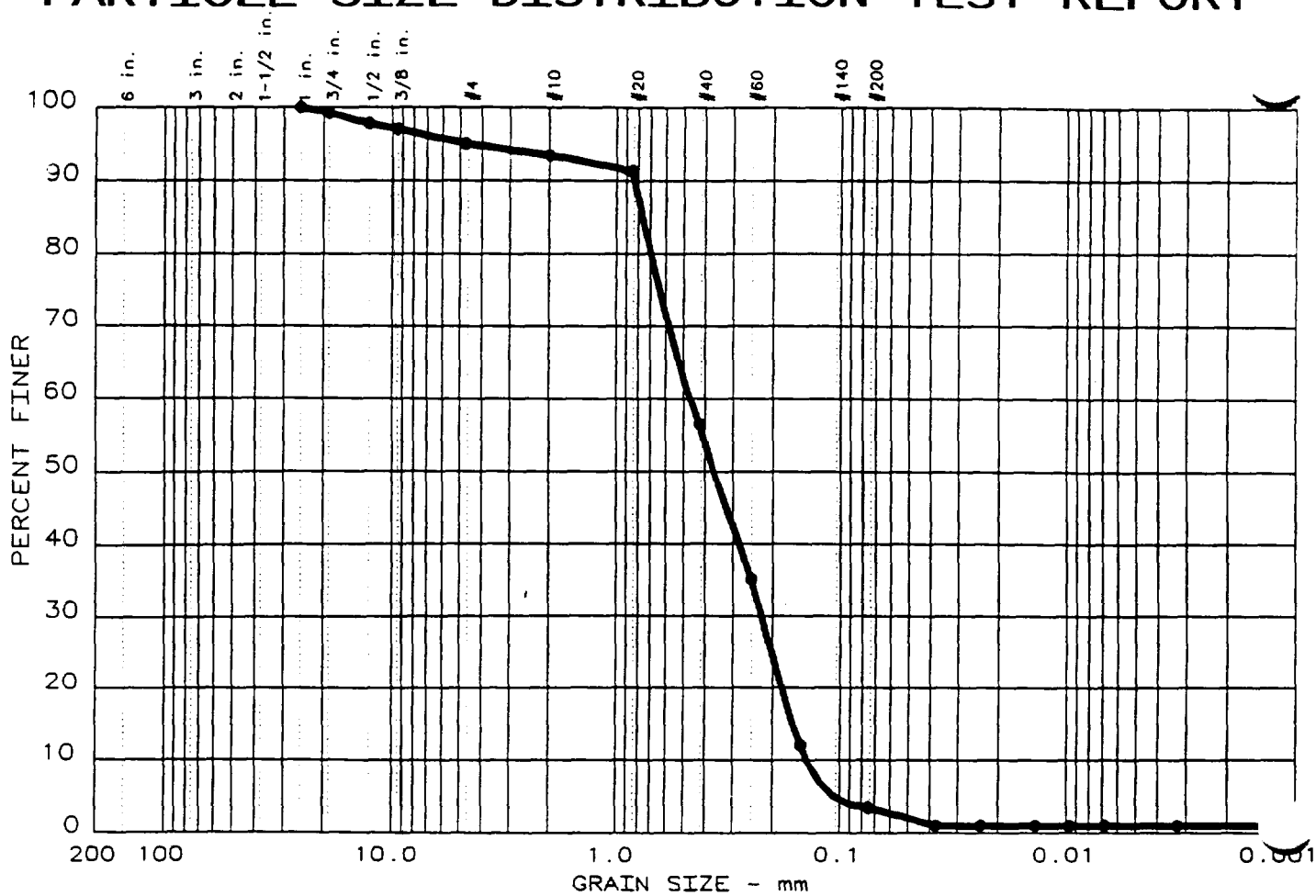
Fractional Components

Gravel/Sand based on #4 sieve
Sand/Fines based on #200 sieve
% + 3 in. = 0.0 % GRAVEL = 0.0 % SAND = 98.7
% SILT = 0.8 % CLAY = 0.5

D85= 1.73 D60= 1.341 D50= 1.194
D30= 0.8700 D15= 0.61447 D10= 0.43501
Cc = 1.2972 Cu = 3.0832

MATERIALS ENGINEERING LABORATORY

PARTICLE SIZE DISTRIBUTION TEST REPORT



	Test	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
●		0.0	5.0	91.5	2.5	1.0

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
●	- - -	- - -	0.76	0.47	0.37	0.224	0.1622	0.1396	0.77	3.3

MATERIAL DESCRIPTION	USCS	AASHTO
● MEDIUM TO FINE SAND, TRACE GRAVEL	- - -	- - -

Project No.: 1999-00-0774
Project: SOLUTIA SAUGET AREA 1 PROJECT
● Location: SITE I 58' TO 62'

Date: 11/18/99 **(REVISED)**

Remarks:
CLIENT: O'BRIEN AND GERE ENGINEERS, INC.

PARTICLE SIZE DISTRIBUTION TEST REPORT

THOMPSON ENGINEERING

Figure No. _____

GRAIN SIZE DISTRIBUTION TEST DATA Test No.:

Date: 11/18/99 (REVISED)
ject No.: 1999-00-0774
.oject: SOLUTIA SAUGET AREA 1 PROJECT

Sample Data

Location of Sample: SITE I 58' TO 62'
Sample Description: MEDIUM TO FINE SAND, TRACE GRAVEL
USCS Class: - - - Liquid limit: - - -
AASHTO Class: - - - Plasticity index: - - -

Notes

Remarks: CLIENT: O'BRIEN AND GERE ENGINEERS, INC.

Fig. No.:

Mechanical Analysis Data

Initial
Dry sample and tare= 1838.41
Tare = 0.00
Dry sample weight = 1838.41
Sample split on number 10 sieve
S-lit sample data:
ample and tare = 96.38 Tare = 0 Sample weight = 96.38
Cumulative weight retained tare= 0
Tare for cumulative weight retained= 0

Sieve	Cumul. Wt. retained	Percent finer
1 inches	0.00	100.0
0.75 inches	14.24	99.2
0.5 inches	40.64	97.8
0.375 inches	54.95	97.0
# 4	91.53	95.0
# 10	120.93	93.4
# 20	2.13	91.4
# 40	38.08	56.5
# 60	60.18	35.1
# 100	83.93	12.1
# 200	92.77	3.5

Hydrometer Analysis Data

Separation sieve is number 10
Percent -# 10 based on complete sample= 93.4
Weight of hydrometer sample: 96.72
Hygroscopic moisture correction:
Moist weight & tare = 59.51

Dry weight & tare = 59.34
Tare = 11.14
Hygroscopic moisture= 0.4 %
Calculated biased weight= 103.17
le of composite correction values:
Temp, deg C: 18.5 21.0
Comp. corr: - 8.0 - 8.0
Meniscus correction only= 0
Specific gravity of solids= 2.65
Specific gravity correction factor= 1.000
Hydrometer type: 152H Effective depth L= 16.294964 - 0.164 x Rm

Elapsed time, min	Temp, deg C	Actual reading	Corrected reading	K	Rm	Eff. depth	Diameter mm	Percent finer
2.0	18.8	9.0	1.0	0.0139	9.0	14.8	0.0377	1.0
5.0	18.8	9.0	1.0	0.0139	9.0	14.8	0.0238	1.0
15.0	19.0	9.0	1.0	0.0138	9.0	14.8	0.0137	1.0
30.0	19.2	9.0	1.0	0.0138	9.0	14.8	0.0097	1.0
60.0	19.4	9.0	1.0	0.0137	9.0	14.8	0.0068	1.0
250.0	21.0	9.0	1.0	0.0135	9.0	14.8	0.0033	1.0
1440.0	19.6	9.0	1.0	0.0137	9.0	14.8	0.0014	1.0

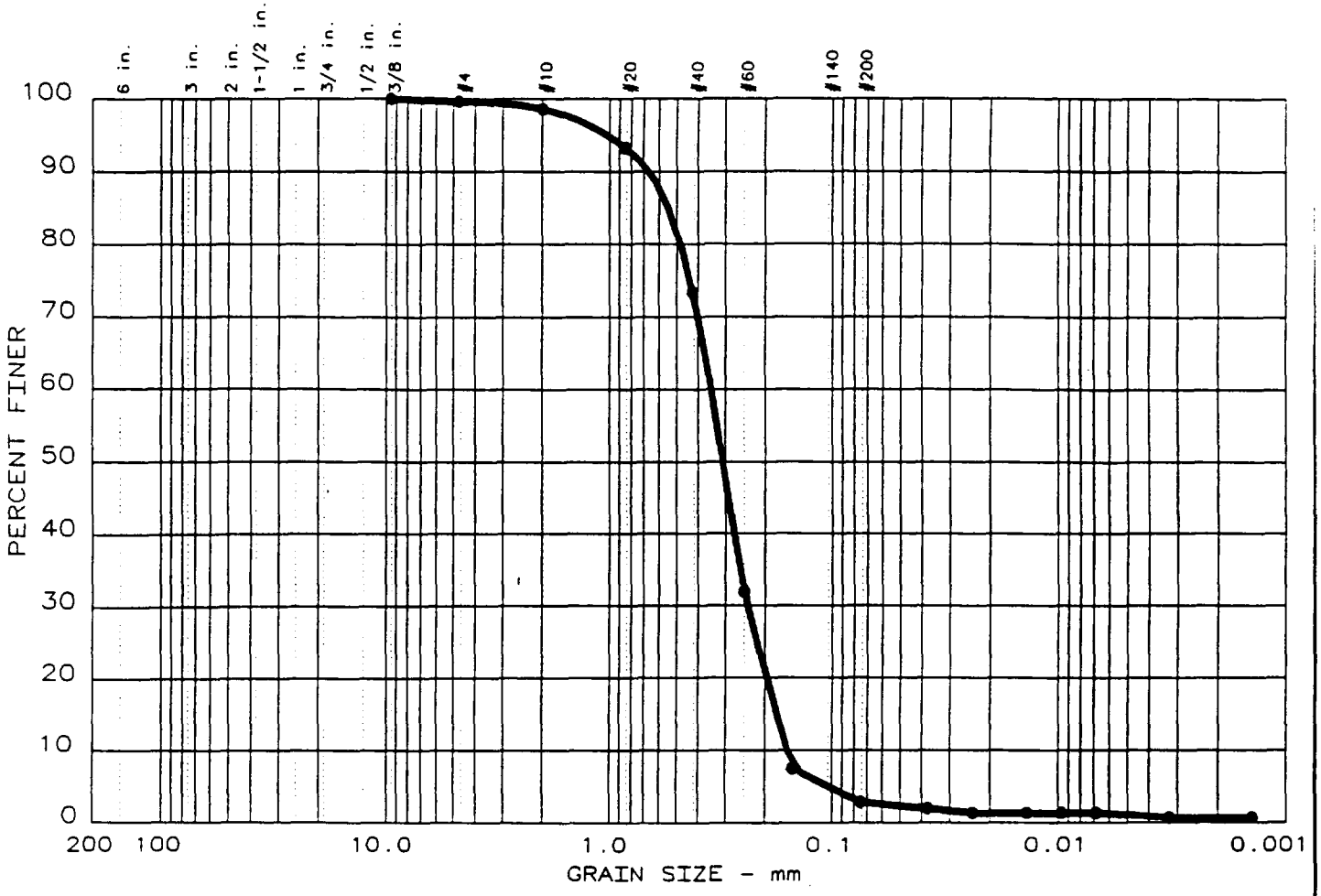
Fractional Components

Gravel/Sand based on #4 sieve
Sand/Fines based on #200 sieve
% + 3 in. = 0.0 % GRAVEL = 5.0 % SAND = 91.5
% SILT = 2.5 % CLAY = 1.0

D[illegible]= 0.76 D60= 0.466 D50= 0.366
[illegible] = 0.2239 D15= 0.16218 D10= 0.13964
Cc = 0.7700 Cu = 3.3381

MATERIALS ENGINEERING LABORATORY

PARTICLE SIZE DISTRIBUTION TEST REPORT



	Test	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
●	4	0.0	0.4	96.8	1.8	1.0

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
●	- - -	- - -	0.54	0.35	0.31	0.240	0.1754	0.1579	1.05	2.2

MATERIAL DESCRIPTION	USCS	AASHTO
● MEDIUM TO FINE SAND	- - -	- - -

Project No.: 1999-00-0774
Project: SOLUTIA SAUGET AREA 1 PROJECT
● Location: SITE L 12-16

Date: 11/04/99

Remarks:
CLIENT: O'BRIEN AND GERE ENGINEERS, INC.

PARTICLE SIZE DISTRIBUTION TEST REPORT

THOMPSON ENGINEERING

Figure No. _____

GRAIN SIZE DISTRIBUTION TEST DATA

Test No.: 4

Date: 11/04/99
Project No.: 1999-00-0774
Project: SOLUTIA SAUGET AREA 1 PROJECT

Sample Data

Location of Sample: SITE L 12-16
Sample Description: MEDIUM TO FINE SAND
USCS Class: - - - Liquid limit: - - -
AASHTO Class: - - - Plasticity index: - - -

Notes

Remarks: CLIENT: O'BRIEN AND GERE ENGINEERS, INC.

Fig. No.:

Mechanical Analysis Data

	Initial
Dry sample and tare=	305.61
Tare =	0.00
Dry sample weight =	305.61

Sample split on number 10 sieve
Split sample data:
Sample and tare = 75.79 Tare = 0 Sample weight = 75.79
Cumulative weight retained tare= 0
Tare for cumulative weight retained= 0

Sieve	Cumul. Wt. retained	Percent finer
0.375 inches	0.00	100.0
# 4	1.29	99.6
# 10	4.44	98.5
# 20	4.08	93.2
# 40	19.37	73.4
# 60	51.24	31.9
# 100	70.01	7.5
# 200	73.62	2.8

Hydrometer Analysis Data

Separation sieve is number 10
Percent -# 10 based on complete sample= 98.5
Weight of hydrometer sample: 75.92
Hygroscopic moisture correction:
Moist weight & tare = 41.90
Dry weight & tare = 41.85
Tare = 11.62
Hygroscopic moisture= 0.2 %

Calculated biased weight= 76.91
Table of composite correction values:
Temp, deg C: 17.0 22.0
Comp. corr: - 8.0 - 8.0
Meniscus correction only= 0
Specific gravity of solids= 2.65
Specific gravity correction factor= 1.000
Hydrometer type: 152H Effective depth L= 16.294964 - 0.164 x Rm

Elapsed time, min	Temp, deg C	Actual reading	Corrected reading	K	Rm	Eff. depth	Diameter mm	Percent finer
2.0	18.6	9.5	1.5	0.0139	9.5	14.7	0.0377	2.0
5.0	18.6	9.0	1.0	0.0139	9.0	14.8	0.0239	1.3
15.0	18.6	9.0	1.0	0.0139	9.0	14.8	0.0138	1.3
30.0	18.9	9.0	1.0	0.0138	9.0	14.8	0.0097	1.3
60.0	19.0	9.0	1.0	0.0138	9.0	14.8	0.0069	1.3
250.0	21.3	8.5	0.5	0.0134	8.5	14.9	0.0033	0.7
1440.0	17.8	8.5	0.5	0.0140	8.5	14.9	0.0014	0.7

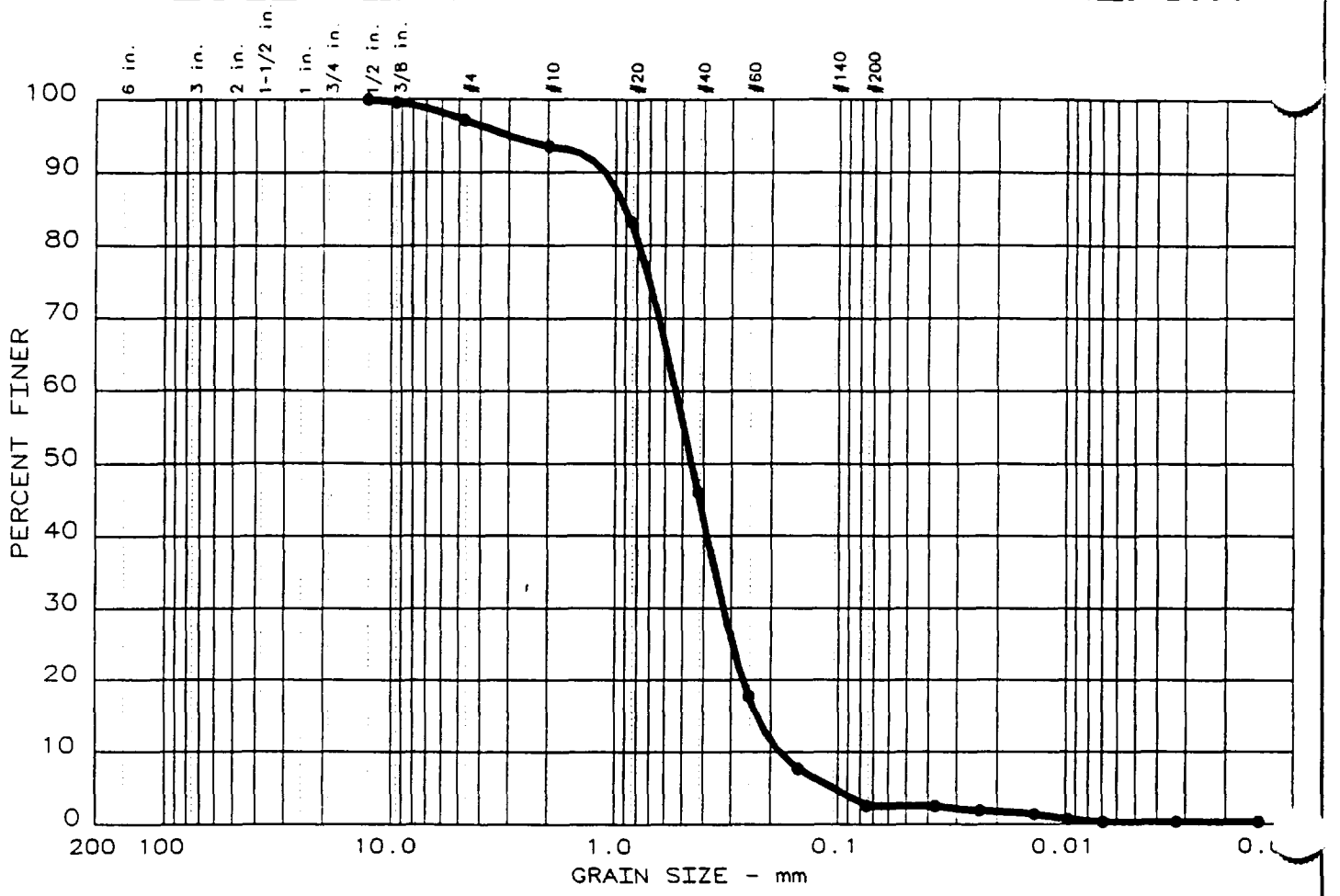
Fractional Components

Gravel/Sand based on #4 sieve
Sand/Fines based on #200 sieve
% + 3 in. = 0.0 % GRAVEL = 0.4 % SAND = 96.8
% SILT = 1.8 % CLAY = 1.0

D85= 0.54 D60= 0.348 D50= 0.309
D30= 0.2399 D15= 0.17539 D10= 0.15794
Cc = 1.0459 Cu = 2.2055

Leroy Bailey
MATERIALS ENGINEERING LABORATORY

PARTICLE SIZE DISTRIBUTION TEST REPORT



	Test	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
●	5	0.0	2.8	94.7	2.3	0.2

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
●	- - -	- - -	0.90	0.53	0.45	0.325	0.2294	0.1801	1.10	3.0

MATERIAL DESCRIPTION	USCS	AASHTO
● MEDIUM TO FINE SAND, TRACE GRAVEL	- - -	- - -

Project No.: 1999-00-0774
Project: SOLUTIA SAUGET AREA 1 PROJECT
● Location: SITE L 39-43

Date: 11/04/99

Remarks:
CLIENT: O'BRIEN AND GERE ENGINEERS, INC.

PARTICLE SIZE DISTRIBUTION TEST REPORT

THOMPSON ENGINEERING

Figure No. _____

GRAIN SIZE DISTRIBUTION TEST DATA Test No.: 5

Date: 11/04/99
Project No.: 1999-00-0774
Project: SOLUTIA SAUGET AREA 1 PROJECT

Sample Data

Location of Sample: SITE L 39-43
Sample Description: MEDIUM TO FINE SAND, TRACE GRAVEL
USCS Class: - - - Liquid limit: - - -
AASHTO Class: - - - Plasticity index: - - -

Notes

Remarks: CLIENT: O'BRIEN AND GERE ENGINEERS, INC.

Fig. No.:

Mechanical Analysis Data

	Initial
Dry sample and tare=	265.88
Tare =	0.00
Dry sample weight =	265.88

Sample split on number 10 sieve
Split sample data:
Sample and tare = 76.06 Tare = 0 Sample weight = 76.06
Cumulative weight retained tare= 0
Tare for cumulative weight retained= 0

Sieve	Cumul. Wt. retained	Percent finer
0.5 inches	0.00	100.0
0.375 inches	1.08	99.6
# 4	7.55	97.2
# 10	17.11	93.6
# 20	8.43	83.2
# 40	38.71	45.9
# 60	61.65	17.7
# 100	69.82	7.7
# 200	74.03	2.5

Hydrometer Analysis Data

Separation sieve is number 10
Percent -# 10 based on complete sample= 93.6
Weight of hydrometer sample: 76.2
Hygroscopic moisture correction:
Moist weight & tare = 66.91
Dry weight & tare = 66.81
Tare = 11.66

Hygroscopic moisture= 0.2 %
Calculated biased weight= 81.29
Table of composite correction values:
Temp, deg C: 17.0 21.0
Comp. corr: - 8.0 - 8.0
Meniscus correction only= 0
Specific gravity of solids= 2.65
Specific gravity correction factor= 1.000
Hydrometer type: 152H Effective depth L= 16.294964 - 0.164 x Rm

Elapsed time, min	Temp, deg C	Actual reading	Corrected reading	K	Rm	Eff. depth	Diameter mm	Percent finer
2.0	18.5	10.0	2.0	0.0139	10.0	14.7	0.0376	2.5
5.0	18.5	9.5	1.5	0.0139	9.5	14.7	0.0239	1.8
15.0	18.6	9.1	1.1	0.0139	9.1	14.8	0.0138	1.4
30.0	18.7	8.5	0.5	0.0139	8.5	14.9	0.0098	0.6
60.0	18.7	8.2	0.2	0.0139	8.2	15.0	0.0069	0.2
250.0	20.7	8.2	0.2	0.0135	8.2	15.0	0.0033	0.2
1440.0	17.5	8.2	0.2	0.0141	8.2	15.0	0.0014	0.2

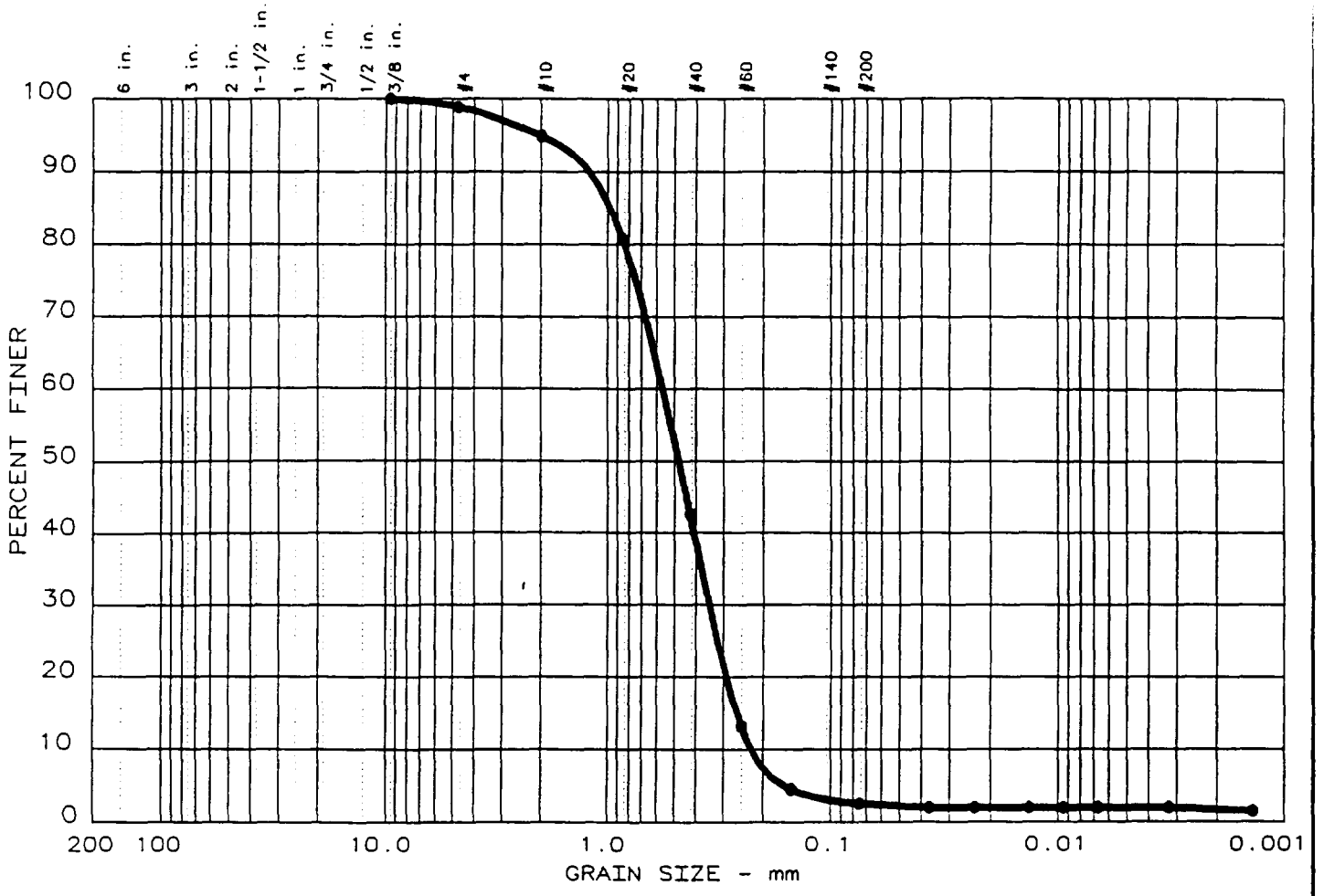
Fractional Components

Gravel/Sand based on #4 sieve
Sand/Fines based on #200 sieve
% + 3 in. = 0.0 % GRAVEL = 2.8 % SAND = 94.7
% SILT = 2.3 % CLAY = 0.2

D85= 0.90 D60= 0.533 D50= 0.453
D30= 0.3247 D15= 0.22935 D10= 0.18009
C = 1.0977 Cu = 2.9614

Leroy Bailey
MATERIALS ENGINEERING LABORATORY

PARTICLE SIZE DISTRIBUTION TEST REPORT



	Test	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
●		0.0	1.2	96.3	0.6	1.9

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
●	- - -	- - -	0.97	0.56	0.48	0.348	0.2609	0.2246	0.96	2.5

MATERIAL DESCRIPTION	USCS	AASHTO
● MEDIUM TO FINE SAND, TRACE GRAVEL	- - -	- - -

Project No.: 1999-00-0774
Project: SOLUTIA SAUGET AREA 1 PROJECT
● Location: SITE L 58' TO 62'

Date: 11/18/99 **(REVISED)**

Remarks:
CLIENT: O'BRIEN AND GERE ENGINEERS, INC.

PARTICLE SIZE DISTRIBUTION TEST REPORT

THOMPSON ENGINEERING

Figure No. _____

GRAIN SIZE DISTRIBUTION TEST DATA

Test No.:

Date: 11/18/99 (REVISED)
Project No.: 1999-00-0774
Project: SOLUTIA SAUGET AREA 1 PROJECT

Sample Data

Location of Sample: SITE L 58' TO 62'
Sample Description: MEDIUM TO FINE SAND, TRACE GRAVEL
USCS Class: - - - Liquid limit: - - -
AASHTO Class: - - - Plasticity index: - - -

Notes

Remarks: CLIENT: O'BRIEN AND GERE ENGINEERS, INC.

Fig. No.:

Mechanical Analysis Data

	Initial
Dry sample and tare=	344.38
Tare =	0.00
Dry sample weight =	344.38

Sample split on number 10 sieve
Split sample data:
Sample and tare = 97.85 Tare = 0 Sample weight = 97.85
Cumulative weight retained tare= 0
Tare for cumulative weight retained= 0

Sieve	Cumul. Wt. retained	Percent finer
0.375 inches	0.00	100.0
# 4	4.05	98.8
# 10	17.73	94.9
# 20	14.61	80.7
# 40	53.95	42.6
# 60	84.16	13.3
# 100	93.24	4.5
# 200	95.27	2.5

Hydrometer Analysis Data

Separation sieve is number 10
Percent -# 10 based on complete sample= 94.9
Weight of hydrometer sample: 98.06
Hygroscopic moisture correction:
Moist weight & tare = 55.11
Dry weight & tare = 55.02
Tare = 11.70
Hygroscopic moisture= 0.2 %

Calculated biased weight= 103.17
Table of composite correction values:

Temp, deg C:	19.5	20.4	21.5
Comp. corr:	- 8.0	- 7.0	- 7.0

M scus correction only= 0
cific gravity of solids= 2.65
Specific gravity correction factor= 1.000
Hydrometer type: 152H Effective depth L= 16.294964 - 0.164 x Rm

Elapsed time, min	Temp, deg C	Actual reading	Corrected reading	K	Rm	Eff. depth	Diameter mm	Percent finer
2.0	20.4	9.0	2.0	0.0136	9.0	14.8	0.0370	1.9
5.0	20.4	9.0	2.0	0.0136	9.0	14.8	0.0234	1.9
15.0	20.5	9.0	2.0	0.0136	9.0	14.8	0.0135	1.9
30.0	20.8	9.0	2.0	0.0135	9.0	14.8	0.0095	1.9
60.0	20.9	9.0	2.0	0.0135	9.0	14.8	0.0067	1.9
250.0	21.5	9.0	2.0	0.0134	9.0	14.8	0.0033	1.9
1440.0	19.5	9.5	1.5	0.0137	9.5	14.7	0.0014	1.5

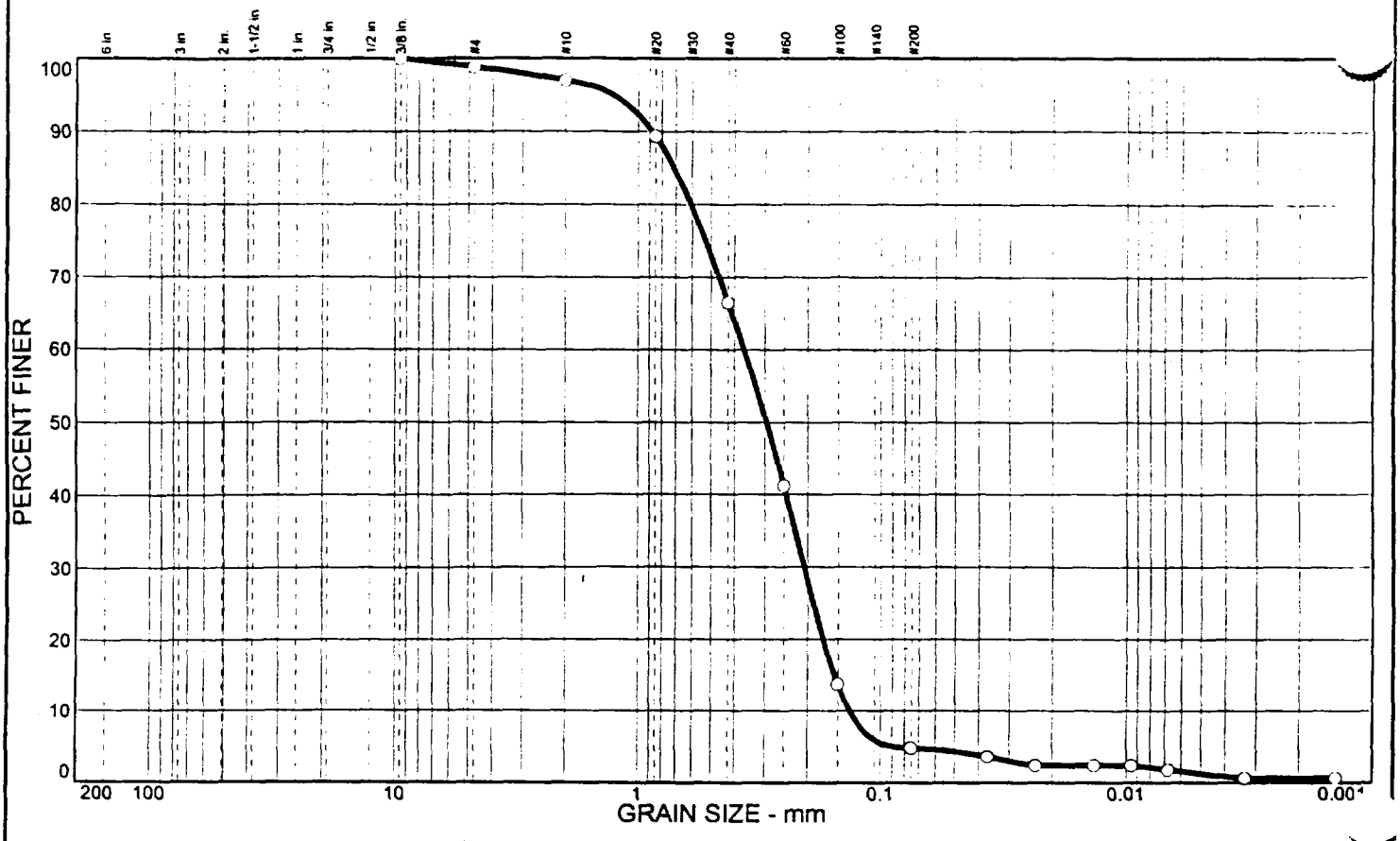
Fractional Components

Gravel/Sand based on #4 sieve
Sand/Fines based on #200 sieve
% + 3 in. = 0.0 % GRAVEL = 1.2 % SAND = 96.3
% SILT = 0.6 % CLAY = 1.9

D85= 0.97 D60= 0.562 D50= 0.478
D30= 0.3479 D15= 0.26092 D10= 0.22465
Cc = 0.9594 Cu = 2.5003

MATERIALS ENGINEERING LABORATORY

Particle Size Distribution Report



	% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY	USCS	AASHTO	PL	LL
○		1.2	94.0	3.6	1.2	---	---	---	---

SIEVE inches size	PERCENT FINER ○		
.375	100.0		
	GRAIN SIZE		
D_{60}	0.365		
D_{30}	0.206		
D_{10}	0.134		
	COEFFICIENTS		
C_c	0.87		
C_u	2.73		

SIEVE number size	PERCENT FINER ○		
#4	98.8		
#10	97.0		
#20	89.4		
#40	66.5		
#60	41.2		
#100	13.7		
#200	4.8		

SOIL DESCRIPTION

○ MEDIUM TO FINE SAND, TRACE GRAVEL

REMARKS:

○

○ Source: COC-12

Sample No.: ST-N-D-18-22'

Thompson Engineering

Client: O'BRIEN & GERE ENGINEERS, INC.

Project: SOLUTIA SAUGET AREA 1 PROJECT

Project No.: 1999-00-0774

201A-38

Plate

GRAIN SIZE DISTRIBUTION TEST DATA

Client: O'BRIEN & GERE ENGINEERS, INC.
Project: SOLUTIA SAUGET AREA 1 PROJECT
Project Number: 1999-00-0774

Sample Data

Source: COC-12
Sample No.: ST-N-D-18-22'
Elev. or Depth: Sample Length (in./cm.):
Location:
Description: MEDIUM TO FINE SAND, TRACE GRAVEL
Liquid Limit: - - - Plastic Limit: - - -
USCS Classification: - - - AASHTO Classification: - - -
Testing Remarks:

Mechanical Analysis Data

	Initial
Dry sample and tare=	287.25
Tare =	0.00
Dry sample weight =	287.25

Sample split on number 10 sieve
Split sample data:
Sample and tare = 80.72 Tare = .00 Sample weight = 80.72
Cumulative weight retained tare= .00
Tare for cumulative weight retained= .00

Sieve	Cumul. Wt. retained	Percent finer
.375 inch	0.00	100.0
# 4	3.37	98.8
# 10	8.65	97.0
# 20	6.30	89.4
# 40	25.42	66.5
# 60	46.48	41.2
# 100	69.29	13.7
# 200	76.71	4.8

Hydrometer Analysis Data

Separation sieve is #10
Percent -#10 based upon complete sample= 97.0
Weight of hydrometer sample: 80.72
Calculated biased weight= 83.22
Table of composite correction values:

Temp, deg C:	18.0	20.5
Comp. corr:	-8.0	-8.0

Meniscus correction only= 0
Specific gravity of solids= 2.65
Specific gravity correction factor= 1.000
Hydrometer type: 152H
Effective depth L= 16.294964 - 0.164 x Rm

Elapsed time, min	Temp, deg C	Actual reading	Corrected reading	K	Rm	Eff. depth	Diameter mm	Percent finer
2.00	19.9	11.0	3.0	0.0137	11.0	14.5	0.0368	3.6
5.00	19.9	10.0	2.0	0.0137	10.0	14.7	0.0234	2.4
15.00	20.0	10.0	2.0	0.0136	10.0	14.7	0.0135	2.4
30.00	20.1	10.0	2.0	0.0136	10.0	14.7	0.0095	2.4
60.00	20.1	9.5	1.5	0.0136	9.5	14.7	0.0068	1.8
250.00	20.3	8.5	0.5	0.0136	8.5	14.9	0.0033	0.6
1440.00	18.5	8.5	0.5	0.0139	8.5	14.9	0.0014	0.6

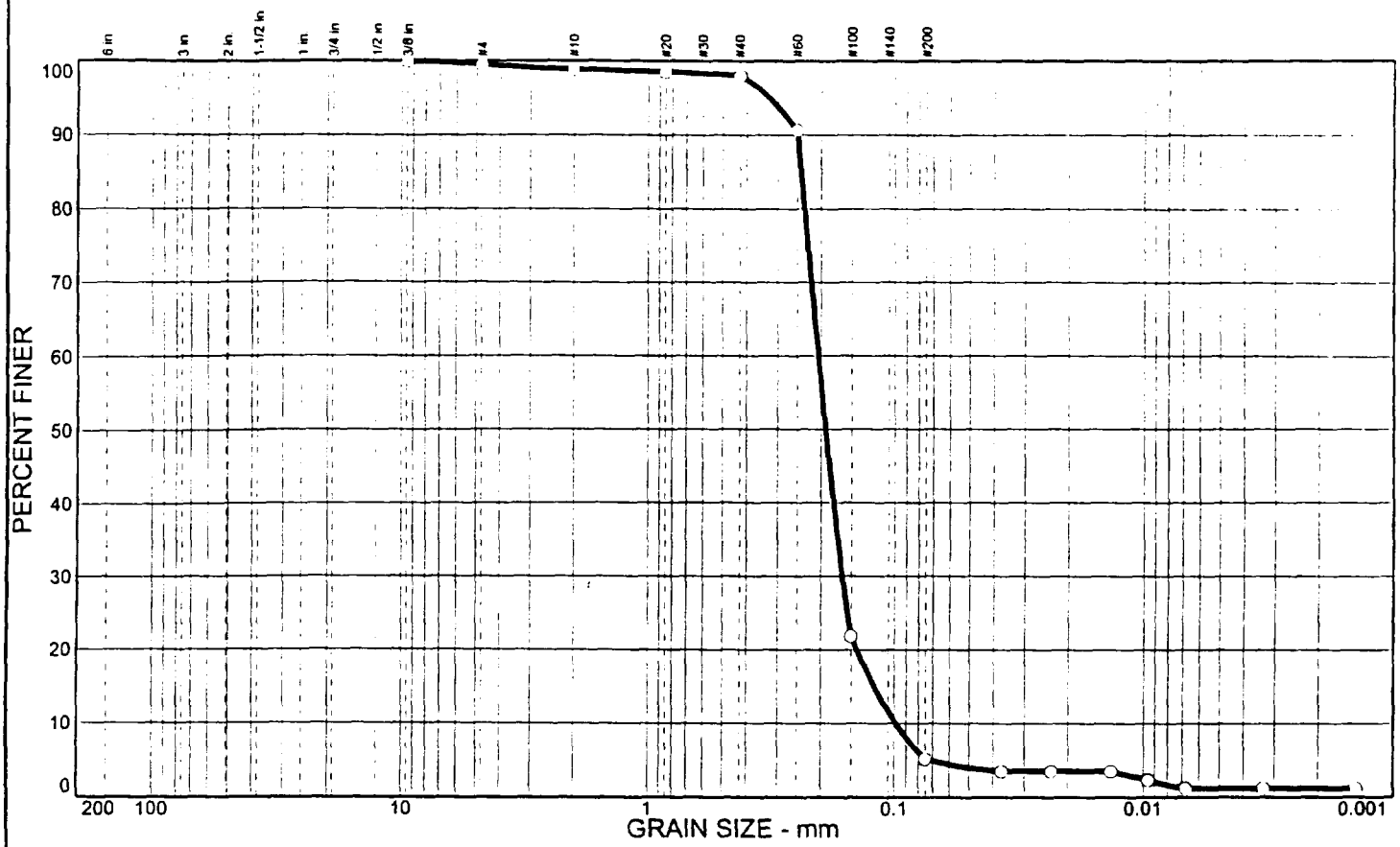
Fractional Components

Gravel/Sand based on #4
Sand/Fines based on #200
% COBBLES = % GRAVEL = 1.2 (% coarse = % fine = 1.2)
% SAND = 94.0 (% coarse = 1.8 % medium = 30.5 % fine = 61.7)
% SILT = 3.6 % CLAY = 1.2

D_{85}= 0.71 D_{60}= 0.37 D_{50}= 0.30
D_{30}= 0.21 D_{15}= 0.15 D_{10}= 0.13
C_c= 0.8725 C_u= 2.729

MATERIALS ENGINEERING LABORATORY

Particle Size Distribution Report



	% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY	USCS	AASHTO	PL	LL
○		0.5	94.3	4.0	1.2	---	---	---	---

SIEVE inches size	PERCENT FINER ○		
.375	100.0		

GRAIN SIZE	
D_{60}	0.205
D_{30}	0.163
D_{10}	0.0985

COEFFICIENTS	
C_c	1.31
C_u	2.08

SIEVE number size	PERCENT FINER ○		
#4	99.5		
#10	98.8		
#20	98.5		
#40	98.0		
#60	90.6		
#100	21.9		
#200	5.2		

SOIL DESCRIPTION

○ FINE SAND

REMARKS:

○

○ Source: COC-12

Sample No.: ST-N-D-38-42'

Thompson Engineering

Client: O'BRIEN & GERE ENGINEERS, INC.

Project: SOLUTIA SAUGET AREA 1 PROJECT

Project No.: 1999-00-0774

201A-41

Plate

GRAIN SIZE DISTRIBUTION TEST DATA

Client: O'BRIEN & GERE ENGINEERS, INC.
Project: SOLUTIA SAUGET AREA 1 PROJECT
ject Number: 1999-00-0774

Sample Data

Source: COC-12
Sample No.: ST-N-D-38-42'
Elev. or Depth: Sample Length (in./cm.):
Location:
Description: FINE SAND
Liquid Limit: - - - Plastic Limit: - - -
USCS Classification: - - - AASHTO Classification: - - -
Testing Remarks:

Mechanical Analysis Data

	Initial
Dry sample and tare=	251.74
Tare =	0.00
Dry sample weight =	251.74

Sample split on number 10 sieve
Split sample data:
Sample and tare = 84.53 Tare = .00 Sample weight = 84.53
Cumulative weight retained tare= .00
T-e for cumulative weight retained= .00

ieve	Cumul. Wt. retained	Percent finer
.375 inch	0.00	100.0
# 4	1.28	99.5
# 10	3.04	98.8
# 20	0.26	98.5
# 40	0.70	98.0
# 60	7.04	90.6
# 100	65.82	21.9
# 200	80.09	5.2

Hydrometer Analysis Data

Separation sieve is #10
Percent -#10 based upon complete sample= 98.8
Weight of hydrometer sample: 84.53
Calculated biased weight= 85.56
Table of composite correction values:

Temp, deg C:	18.0	20.5
Comp. corr:	-8.0	-8.0

Meniscus correction only= 0
Specific gravity of solids= 2.65
Specific gravity correction factor= 1.000
F rometer type: 152H
Effective depth L= 16.294964 - 0.164 x Rm

Elapsed time, min	Temp, deg C	Actual reading	Corrected reading	K	Rm	Eff. depth	Diameter mm	Percent finer
2.00	19.8	11.0	3.0	0.0137	11.0	14.5	0.0368	3.5
5.00	19.9	11.0	3.0	0.0137	11.0	14.5	0.0233	3.5
15.00	20.0	11.0	3.0	0.0136	11.0	14.5	0.0134	3.5
30.00	20.1	10.0	2.0	0.0136	10.0	14.7	0.0095	2.3
60.00	20.2	9.0	1.0	0.0136	9.0	14.8	0.0068	1.2
250.00	20.3	9.0	1.0	0.0136	9.0	14.8	0.0033	1.2
1440.00	18.5	9.0	1.0	0.0139	9.0	14.8	0.0014	1.2

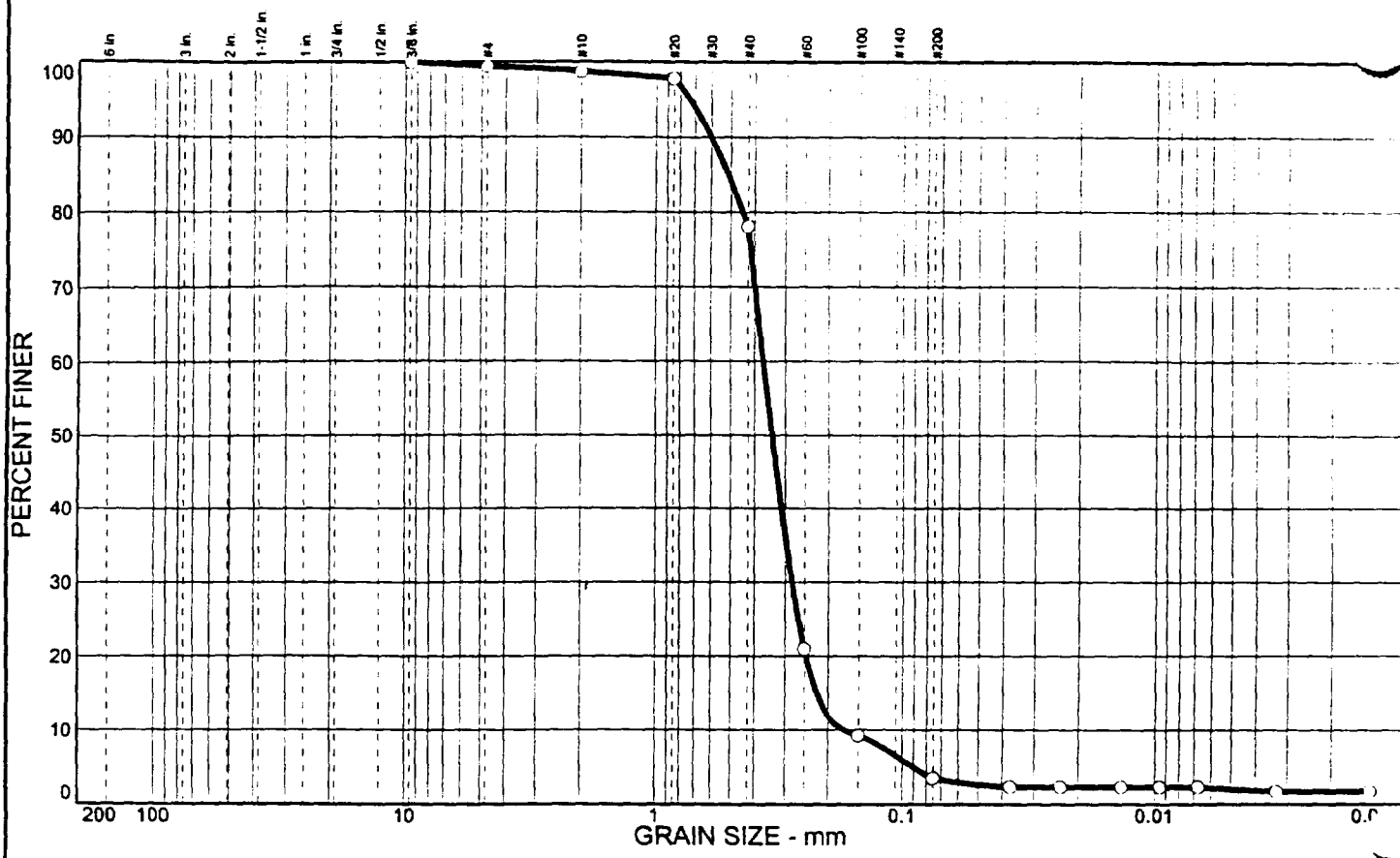
Fractional Components

Gravel/Sand based on #4
Sand/Fines based on #200
% COBBLES = % GRAVEL = 0.5 (% coarse = % fine = 0.5)
% SAND = 94.3 (% coarse = 0.7 % medium = 0.8 % fine = 92.8)
% SILT = 4.0 % CLAY = 1.2

D_{85}= 0.24 D_{60}= 0.20 D_{50}= 0.19
D_{30}= 0.16 D_{15}= 0.12 D_{10}= 0.10
C_c= 1.3145 C_u= 2.0788

MATERIALS ENGINEERING LABORATORY

Particle Size Distribution Report



	% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY	USCS	AASHTO	PL	LL
○		0.6	95.9	1.5	2.0	---	---	---	---

SIEVE inches size	PERCENT FINER ○		
.375	100.0		

GRAIN SIZE			
D_{60}	0.368		
D_{30}	0.280		
D_{10}	0.172		

COEFFICIENTS			
C_c	1.24		
C_u	2.14		

SIEVE number size	PERCENT FINER ○		
#4	99.4		
#10	98.7		
#20	97.8		
#40	78.1		
#60	21.0		
#100	9.3		
#200	3.5		

SOIL DESCRIPTION

○ MEDIUM TO FINE SAND

REMARKS:

○

○ Source: COC-12

Sample No.: ST-N-D-58-62'

Thompson Engineering

Client: O'BRIEN & GERE ENGINEERS, INC.

Project: SOLUTIA SAUGET AREA 1 PROJECT

Project No.: 1999-00-0774 201A-44 Plate

GRAIN SIZE DISTRIBUTION TEST DATA

Client: O'BRIEN & GERE ENGINEERS, INC.
Project: SOLUTIA SAUGET AREA 1 PROJECT
Project Number: 1999-00-0774

Sample Data

Source: COC-12
Sample No.: ST-N-D-58-62'
Elev. or Depth: Sample Length (in./cm.):
Location:
Description: MEDIUM TO FINE SAND
Liquid Limit: - - - Plastic Limit: - - -
USCS Classification: - - - AASHTO Classification: - - -
Testing Remarks:

Mechanical Analysis Data

	Initial
Dry sample and tare=	258.64
Tare =	0.00
Dry sample weight =	258.64

Sample split on number 10 sieve
Split sample data:
Sample and tare = 85.40 Tare = .00 Sample weight = 85.40
Cumulative weight retained tare= .00
Tare for cumulative weight retained= .00

Sieve	Cumul. Wt. retained	Percent finer
.375 inch	0.00	100.0
# 4	1.61	99.4
# 10	3.29	98.7
# 20	0.78	97.8
# 40	17.85	78.1
# 60	67.22	21.0
# 100	77.32	9.3
# 200	82.41	3.5

Hydrometer Analysis Data

Separation sieve is #10
Percent -#10 based upon complete sample= 98.7
Weight of hydrometer sample: 85.4
Calculated biased weight= 86.52
Table of composite correction values:

Temp, deg C:	18.0	20.5
Comp. corr:	-8.0	-8.0

Meniscus correction only= 0
Specific gravity of solids= 2.65
Specific gravity correction factor= 1.000
Hydrometer type: 152H
Effective depth L= 16.294964 - 0.164 x Rm

Elapsed time, min	Temp, deg C	Actual reading	Corrected reading	K	Rm	Eff. depth	Diameter mm	Percent finer
2.00	19.8	10.0	2.0	0.0137	10.0	14.7	0.0370	2.3
5.00	19.7	10.0	2.0	0.0137	10.0	14.7	0.0234	2.3
15.00	20.0	10.0	2.0	0.0136	10.0	14.7	0.0135	2.3
30.00	20.2	10.0	2.0	0.0136	10.0	14.7	0.0095	2.3
60.00	20.2	10.0	2.0	0.0136	10.0	14.7	0.0067	2.3
250.00	20.3	9.5	1.5	0.0136	9.5	14.7	0.0033	1.7
1440.00	18.5	9.5	1.5	0.0139	9.5	14.7	0.0014	1.7

Fractional Components

Gravel/Sand based on #4
Sand/Fines based on #200
% COBBLES = % GRAVEL = 0.6 (% coarse = % fine = 0.6)
% SAND = 95.9 (% coarse = 0.7 % medium = 20.6 % fine = 74.6)
% SILT = 1.5 % CLAY = 2.0

D_{85}= 0.51 D_{60}= 0.37 D_{50}= 0.34
D_{30}= 0.28 D_{15}= 0.22 D_{10}= 0.17
C_c= 1.2427 C_u= 2.1371

MATERIALS ENGINEERING LABORATORY

3.15.4.4. Chain-of-Custody Forms

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

Office: St Louis, MO 63128
Address: 320 Cedar Plaza Pkwy
Phone: (314) 842-4550

CHAIN OF CUSTODY

Cooler Temperature _____

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

COLLECTED BY: Bill Wright, Menzi Cura, Joe Perry
(Signature)

SAMPLE DESCRIPTION/LOCATION	Date	Time	Sample Matrix[1]	Sample Type[2]	No. of Containers	ANALYSIS REQUESTED[1]	Sample Preservation
Creek Section E S1			Sediment	Grab	1 Bottle	Grain Size	None
Creek Section E S2			Sediment	Grab	1 Bottle	Grain Size	
Creek Section E S3			Sediment	Grab	1 Bottle	Grain Size	
RA2-S2			Sediment	Grab	1 Bottle	Grain Size	
Creek Section F S2			Sediment	Grab	1 Bottle	Grain Size	
Site "L" 12-16 feet			Soil	Grab	1 Bag	Grain Size	
Site "L" 39-43 feet			Soil	Grab	1 Bag	Grain Size	
Site "H" 15-20 feet			Soil	Grab	1 Bag	Grain Size	
Site "H" 39-43 feet			Soil	Grab	1 Bag	Grain Size	

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

Relinquished by: / of:	Date	Time	Received by: / of:	Date	Time
Use this space if shipped via courier (e.g. Fed Ex) Relinquished by: Kevin Thompson of: O'Brien & Gere	10/11/99	16:00	Courier Name and Airbill Number: FED-EX 812789433572 *Attach delivery/courier receipt to Chain of Custody		

FedEx USA Airbill FedEx Tracking Number 812789433572

0200 Bangers Copy

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 & Gene Engineers

Address 5000 Cedar Plaza Parkway Suite 24 Dept./Floor/Suite/Room

City St. 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 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

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.

- [ ] 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:

* Declared value limit $500

5 Packaging

- [ ] 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	81	$ .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.

360

Rev. Date 11/98 • Part #154815 • ©1994-98 FedEx • PRINTED IN U.S.A. OGFE 5/98

RETAIN THIS COPY FOR YOUR RECORDS

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

Office: St Louis, MO
Address: 7700 Cedar Plaza Parkway
Phone: (314) 842 4450

CHAIN OF CUSTODY

Cooler Temperature _____

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

COLLECTED BY: William F WRIGHT
(Signature)

SAMPLE DESCRIPTION/LOCATION	Date	Time	Sample Matrix[1]	Sample Type[2]	No. of Containers	ANALYSIS REQUESTED[1]	Sample Preservation
SITE G 14' to 18'	10/12/99		Soil	Comp	1	Grain Size	None
SITE G 39' to 43'	10/12/99			Comp	1	Grain Size	
SITE G 58' to 62'	10/12/99			Comp	1	Grain Size	
SITE I 21.5' to 24'	10/13/99			Comp	1	Grain Size	
SITE I 40' to 44'	10/13/99			Comp	1	Grain Size	
SITE I 58 to 62'	10/13/99			Comp	1	Grain Size	
~~SITE H 16 to 20'~~	~~10/11/99~~			~~Comp~~	~~1~~	~~Grain Size~~	
SITE H 58 to 62'	10/11/99			Comp	1	Grain Size	
SITE ~~H~~ L 58 to 62'	10/12/99			Comp	1	Grain Size	

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

Relinquished by / of	Date	Time	Received by / of	Date	Time
William F. Wright / O'Brien & Gere	10/21/99	1200	UPS	10/21/99	1200
Relinquished by: / of:			Received by: / of:		
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: 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) 842-4550

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

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 Ground Tracking Number 1Z 665 X01 03 1293 017 0	$	$		C.O.D. / EXCESS VALUATION / PACKAGE	
2	NAME: Same STREET: CITY: STATE: ZIP: PACKAGE CONTENTS: Ground Tracking Number 1Z 665 X01 03 1293 018 9		$		C.O.D. / EXCESS VALUATION / PACKAGE	
3	NAME: Same STREET: CITY: STATE: ZIP: PACKAGE CONTENTS: Ground Tracking Number 1Z 665 X01 03 1293 019 8	$	$		C.O.D. / EXCESS VALUATION / PACKAGE	
4	NAME: 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

1122702 REV 9/98 (6MM 9/98) W

SHIPPER RECEIPT - WHITE UPS COPY - CANARY

1L

Project Name: Support Sampling, Sauget Area 1 Site, Solutia Inc.
Job No. 23548.030.006
Sheet 1 of 1

Office: St. Louis - O'Brien & Gere, Inc.
Address: 2250 Weber Hill Rd, St. Louis, Mo. 63127
Phone: 314-842-4550

CHAIN OF CUSTODY

Cooler Temperature 4°C

CLIENT: Solutia, Inc.
LOCATION:

COLLECTED BY:
(Signature) Nicolas E. Jenkins

SAMPLE DESCRIPTION/LOCATION	Date	Time	Sample Matrix[1]	Sample Type[2]	No. of Containers	ANALYSIS REQUESTED[3]	Sample Preservation
ST-N-D-18-22'			Soil	Grab	1	Grain size	N/A
ST-N-D-58-62'			Soil	Grab	1	↓	N/A
ST-ND-38-42			Soil	Grab	1	↓	N/A

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

	Date	Time		Date	Time
Relinquished by: Nicolas E. Jenkins of: O'Brien & Gere			Received by: of:		
Relinquished by: of:			Received by: of:		
Relinquished by: of:			Received by: of:		
Use this space if shipped via courier (e.g., Fed Ex) Relinquished by: Nicolas E. Jenkins of:			Courier Name and Airbill Number: UPS 12610X16031274 5035 *Attach delivery/courier receipt to Chain of Custody	02-25	0930
Relinquished by: of:			Received by: of: THOMPSON ENGINEERING	~~2-30~~ 3/1	3:30

CUSTOMER COUNTER SHIPPING RECORD

Worldwide Olympic Partner

36 USC 380

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

RECD FROM (PLEASE PRINT)	NAME: Nick Jenkins	DATE: 12/28/00
	STREET: 12250 Weber Hill Rd.	
	CITY & STATE: ST. LOUIS MO	ZIP CODE: 63127
	TELEPHONE (H): (618) 343 0158	TELEPHONE (W): (314) 542 4530

SEND TO	NAME: Thompson Engineering	
	STREET: 3707 Cottage Hill Rd.	ROOM NO
	CITY & STATE: Mobile AL	ZIP CODE: 36609

IF C.O.D.	DECLARED VALUE*	ZONE
$ AMOUNT	$ AMOUNT	

PACKAGE CONTENTS: Soil

DO NOT WRITE BELOW THIS LINE

TYPE CHARGE	CUSTOMER COUNTER	DATE	TRANS	CHARGES AMOUNT
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 [illegible] and the maximum liability per package is [illegible]. Claims not made to the carrier within [illegible] shall not be liable for any special, [illegible]

Ground Tracking Number
1Z 610 X16 03 1274 503 5

The entry of [illegible] 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

01122701 8/99 4MM WA (REV 1/99) SHIPPER RECEIPT - WHITE UPS COPY - CANARY

Section 3.16

3.16. Upgradient Ground Water Sampling

3.16.1. Rationale/Design

Existing Wells EE-20, EE-04, and EEG-108 were used as background (upgradient) ground water sampling locations. These wells, which were screened at depths of 23 to 28, 18 to 23, and 24 to 29 feet below ground surface, respectively, were redeveloped as described in Section 5.7. In addition, ground water samples were collected at depths of 60 and 100 feet below grade surface at each of these locations using the push sampling technology Geoprobe™ and low-flow sampling techniques. A sampling depth of 60 feet is approximately the midway between the screened interval of the existing shallow wells and the bottom of the aquifer, which was anticipated to be approximately 100 feet deep. For Geoprobing Sample Location EE-04, permission for access to Well Location EE-04 could not be obtained from the property owner, so a substitute location was chosen (EE-04-SUB). The Solutia representative approved this location.

Number of Ground Water Samples	9

Analyses:

Cyanide	USEPA Method 9010B
Dioxin	USEPA Method 8290
Herbicides	USEPA Method 8151A
Mercury	USEPA Method 7470A
Metals	USEPA Method 6010
PCBs	USEPA Method 680
Pesticides	USEPA Method 8081A
SVOCs	USEPA Method 8270
VOCs	USEPA Method 8260

Sampling locations were selected in the field with the concurrence of USEPA Region V or its designee.

3.16.2. 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.

3.16.3. Field Procedures

Prior to performing field work, a Preparatory Inspection Meeting attended by a representative of each of the interested parties was held (Section 3.16.4.2).

Field procedures for collection of upgradient ground water samples from the existing wells followed the procedures for well redevelopment and collection of ground water in the fill areas, described in Section 5.7.3.

Sampling procedures for the collection of upgradient ground water samples using Geoprobe™ push technology followed the downgradient ground water sampling procedures described in Section 3.9.3. Ground water samples were not able to be collected using push technology when initially attempted in October 1999, thought to be due to clay layers. In January 2000, Geoprobe™ push technology was again tried with a different type of screen (wire wound) and using pressurized nitrogen to open the screen (Section 3.16.4.1). While this was generally successful, it was occasionally necessary to reverse the flow direction to clear the sampling tube of fine sand, silt, and clay. In January 2000, access to Location EE-04 was not granted by the property owner. A substitute location, EE-04-SUB, was chosen and approved by Solutia (Figure 1). EE-20, a 60-foot dioxin sample, was retaken due to sample container breakage during shipment.

Purged water was contained and transported to the Judith Lane storage area.

3.16.4. Documentation

Change order and clarification logs for the ground water sampling procedure at the 60- and 100-foot depths are included in Section 3.16.4.1. Field logs generated are included in Record Book Nos. 2 and 4 (Appendix D). Figure 1 depicts upgradient ground water

sampling locations. Ground water sampling logs generated are in Section 3.16.4.3. Chain-of-custody forms are included in Section 3.16.4.4.

Documentation for this task continues on the next page.

3.16.4.1. Change Orders and Deviation/Clarification Log

cc OBG

PROJECT CHANGE ORDER

O'BRIEN & GERE ENGINEERS, INC.
PROJECT NAME: Solutia Sauget Area 1

PCO NUMBER #5 Revised DESCRIPTION An inadequate amount or no water was able to be collected using conventional push probe technology for the upgradient alluvial aquifer sampling Task @ EE-20, EE-04 (100' Depth) & EEG-108

SUBMITTED TO Kimberly Perry COMPANY Solutia
SUBMITTED BY Alan Cook COMPANY O'Brien & Gere
INITIAL DATE 11/16/99 REQUIRED DATE 11/22/99
DAYS REQUESTED 5 Days AMOUNT REQUESTED

CHANGE ORDER ITEMIZED DESCRIPTION
Need to Install - Three (3) 100' Probes & Two (2) 60' Probes w/ nitrogen gas high pressure release through rods to prevent clogging of Mill slot [redacted] rod. See Attached methodology

Total Cost - OBG Labor [redacted]
& Directs

Harris Probing & Water Sampling [redacted]

$[redacted] for 420 Ft of Probing / 5 samples

OR ÷ [redacted] / ft

OR [redacted] / sample

Reason for Problem w/ initially tried push probe methodology:

Experienced very clayey soils @ 60' & 100' intervals next to EEG-108 off set multiple times still had problems. Experienced same problem @ 100' interval next to EE-04. Clayey soils were not allowing enough water or no water to be collected due to very low perm. [illegible]

Alan J Cook / [signature] / 11/16/99
PRINTED NAME / SIGNATURE OF PREPARER / DATE

BRUCE YARE / Bruce S. Yare / 11/18/99
PRINTED NAME / SIGNATURE OF SOLUTIA REP / DATE

IF ADDITIONAL SPACE IS REQUIRED, RECORD ON REVERSE SIDE

\STLOUIS\DIVISION\ADMIN\1999\PCORQUST.WPD

Proposed Water Sampling Methodology

Harriss Drilling Services, Inc., (HDSI) will utilize our Power Probe 9400 with GeoProbe equipment to acquire groundwater samples from 5 depth locations.

There are 3 - 100' and 2 - 60' locations remaining. We propose using a Geoprobe Mill Slot rod attached to our 1 ¼" diameter probe rods. Previous problems occurred relating to clays and silts blocking the cone tip opening and prohibiting water from entering the probe rods.

Our procedures are to drive the inplace sampler to 60' and 100', attach a high pressure hose adapter to the top probe rod and release nitrogen gas through the rods. This procedure should open the mill slot pathways enabling groundwater to be withdrawn using a peristaltic pump. During purging procedures, we could periodically use nitrogen gas should the screen opening become clogged.

CLAR-008

CLARIFICATION LOG

p. 1/2

INDIVIDUAL REQUESTING CLARIFICATION / COMPANY: O'Brien & Gere DATE 1/24

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

PROJECT NAME Solutia Sauget Area 1 PROJECT LOCATION Sauget Area 1

WEATHER Cold & Clear PRECIPITATION None TEMPERATURE 15°F

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

1. CONTRACT ITEM BEING WORKED ON:
2. ITEM BEING CLARIFIED (REF. APPROP. SEC. OF FSP/HASP):
3. REASON FOR CLARIFICATION:
4. CLARIFICATION 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) Upgradient Ground Water Sampling

(2) Sect. 5.16 - Includes option in Sect 5.16.1 for obtaining ground water samples via "Geoprobe, Hydropunch, MicroWell, Waterloo Profiler, or equivalent sampling technology" in place of existing groundwater w[illegible] Item being clarified is the use of "high pressure hose adaptor to the probe rod & release Nitrogen gas through the rods" ~~in a~~ this procedure is used to open the mill slot pathways enabling groundwater to be withdrawn using a peristaltic pump.

(3) Clarification is necessary to advise & inform Project Team of ground water sampling method. Clarification of section 5.16.1.

(4) Use of Nitrogen gas to open mill slot pathways enabling ground wat[illegible] to be withdrawn using a peristaltic pump.

(5) Nitrogen gas source & high pressure lines

(6) Project Change Order # 5 - Revised submitted & approved

(7) None

Submitted to Weston on 24 Jan 00 at 0800

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

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

24 Jan 00
DATE

PRINTED NAME / SIGNATURE OF USEPA REP I DATE

IF ADDITIONAL SPACE IS REQUIRED,

Proposed Water Sampling Methodology

Harriss Drilling Services, Inc., (HDSI) will utilize our Power Probe 9400 with GeoProbe equipment to acquire groundwater samples from 5 depth locations.

There are 3 - 100' and 2 - 60' locations remaining. We propose using a Geoprobe Mill Slot rod attached to our 1 ¼" diameter probe rods. Previous problems occurred relating to clays and silts blocking the cone tip opening and prohibiting water from entering the probe rods.

Our procedures are to drive the inplace sampler to 60' and 100', attach a high pressure hose adapter to the top probe rod and release nitrogen gas through the rods. This procedure should open the mill slot pathways enabling groundwater to be withdrawn using a peristaltic pump. During purging procedures, we could periodically use nitrogen gas should the screen opening become clogged.

3.16.4.2. Preparatory Inspection Meeting Form

PREPARATORY INSPECTION MEETING

Conducted by/Company: Alan J Cook / O'Brien & Gere **Date:** 10/12/99
Project Name: Solutia Sauget Area 1 **Task:** Section 5.16 Upgrade + EL 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:

1) Collection of GW samples @ background well locations EE-20, EE-04, EEG-108. Also collect a groundwater sample next to the listed wells @ depths of 60' & 100' using push technology.

2) Geoprobe rig, tubing

3) FSP Section 5.16 HASP Section

4) Refusal of Geoprobe - offset & retry
Not enough water to collect all sample containers - wait & allow recharge

5) Access to EE-20 + EE-04 may not be resolved yet according to Ken

6)

ATTENDANCE:

EMPLOYEE NAME (print)	EMPLOYEE SIGNATURE	COMPANY
Ken Lafferty	[signature]	Maverick
Erik Kemper	Roy F Weston	[signature]
Jim Harriss	Jim Harriss	Harriss Drilling
[illegible]	[signature]	OBG
William E. Wright	William E Wright	OBG
Alan J Cook	[signature]	OBG

Gwen to Weston @ 1420 on 10/12/99

IF ADDITONAL SPACE IS REQUIRED, RECORD ON REVERSE SIDE

William E Wright / William E Wright
PRINTED NAME/SIGNATURE OF PREPARER

October 12, 1999
DATE

3.16.4.3. Ground Water Sampling Logs

O'BRIEN & GERE ENGINEERS, INC. — Ground Water Sampling Log

ate: 10/13/99 0915
Site Name: Solutia Sauget Area 1
Site Location: Rodgers Cartage
Personnel: AJ Cook / DA THOMPSON

Weather: Clear 65°F
Well Number: EF-04
Project Number: 23548
Evacuation Method: Peristaltic Pump
PID 0.0ppm

Depth of Well * 25.21 ft.
Depth to Water * 15.09 ft.
Length of Water Column 10.12 ft.
Volume of Water in Well 1.65 gal.(s)
3X Volume of Water in Well 4.95 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 8 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	6250	initial		6.57	initial		
after 2	(gal.)	6250	after 2	(gal.)	6.50	after 2	(gal.)	2800 mS
after 4	(gal.)	63.1	after 4	(gal.)	6.91	after 4	(gal.)	2970
after 6	(gal.)	63.2	after 6	(gal.)	7.03	after 6	(gal.)	2950
after 7	(gal.)	63.1	after 7	(gal.)	6.89	after 7	(gal.)	2910
after 7.5	(gal.)	63.1	after 7.5	(gal.)	6.90	after 7.5	(gal.)	2910

Water Sample:
Time Collected: 0915

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Clear	Color	Clear
Odor	None	Odor	None
Turbidity (> 100 NTUs)	58	Turbidity (> 100 NTU's)	6.75
Sheen/Free Product	None	Sheen/Free Product	None

Sample Parameters: VOCs (8260B), SVOCs (8270C), METALS (6010B/7470A), Cyanide (9010B), PCBs (680), PESTS/HERBs (8061A/8151A), DIOXIN (8290)

Container Size	Container Type	# Collected	Filtered	Preservative	pH	Temp.	Conductivity
1 l	Amber Glass	2	NO	None	6.90	63.1	2910
1 l		2					
1 l		2					
1 l		2					
1 l							
500 ml	Plastic	1		HNO_3			
500 ml		1		NaOH			
250 ml		1		HNO_3			
40 ml	Glass	3	NO	HCL			

Monitoring Well Integrity Checklist: OB6 DUP Collected & Split w/ Rogers Cartage Rep.

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 UGGW/EE-04/60'

e: 10/13/99
Site Name: SOLUTIA UPGRADIENT
Site Location: SAUGET, IL
Personnel: EM JUDGE, JIM HARRIS

Weather: SUNNY 65°F
Well Number: ADJACENT TO EE-04
Project Number: 23548
Evacuation Method: PARASTALTIC PUMP

GROUND WATER SAMPLE THROUGH GEOPROBE RO

Depth of Well * ~~[illegible]~~ ft.
Depth to Water * ~~[illegible]~~ ft.
Length of Water Column ~~[illegible]~~ ft.
Volume of Water in Well ~~[illegible]~~ 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

~~[illegible]~~ X 2.80 GAL
PID 0.0

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 7.60			4.0 Standard	✓		84 S Standard		
			7.0 Standard	✓		1413 S Standard	✓	
			10.0 Standard					
	initial	680	initial	7.36		initial	1000	
6.11	after 0.5 (gal.)	67.0	after 0.5 (gal.)	7.24		after 0.5 (gal.)	1000	
	after 6.5 (gal.)	67.3	after 6.5 (gal.)	7.21		after 6.5 (gal.)	1100	
	after ____ (gal.)		after ____ (gal.)			after ____ (gal.)		
	after ____ (gal.)		after ____ (gal.)			after ____ (gal.)		
	after ____ (gal.)		after ____ (gal.)			after ____ (gal.)		

Water Sample:
me Collected: 11:20

Physical Appearance at Start		Physical Appearance at Sampling	
Color	GRAY/BROWN	Color	CLEAR
Odor	NONE	Odor	NONE
Turbidity (> 100 NTUs)	7.60	Turbidity (> 100 NTU's)	6.11
Sheen/Free Product	NONE	Sheen/Free Product	NONE

Sample Parameters: VOCs (8260B) SVOCs (8270C) PCBs - 680, PESTS (8081A) HERBS (8151A) DIOXIN (8290) METALS (6010B/7470A) CYAN/DE90 B

Container Size	Container Type	# Collected	Filtered	Preservative	pH	Temp.	Conductivity
40 ML	3	GLASS	NO	HCL	7.24	67.0	1000
1 L	2	AMBER	N	NONE	"	"	"
1 L	2	"	N	~~NAT~~	"	"	"
1 L	4 ~~[illegible]~~	"	N	"	"	"	"
1 L	2	"	N	NAS_2O_3	"	"	"
500 ML	1	POLY	N	HNO_3	"	"	"
500 ML	1	"	N	"	"	"	"
500 ML	1	"	N	~~[illegible]~~ NAOH	"	"	"

Monitoring Well Integrity Checklist: NOT A MONITORING 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 ____
s 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: 01-26-00/01-27-00
Site Name: Solutia Sauget Area 1
Site Location: Sauget IL
Personnel: Wm E. Wright

Weather: cold
Well Number: GGW-E504-GP-100FT-Sub
Project Number: 23548
Evacuation Method: peristaltic pump

Depth of Well * 101 ft.
Depth to Water * 18.6 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:
NA
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 gal.(s)
Did well go dry? Yes ____ No X

*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		4.0	84 S Standard		NA
			7.0 Standard		7.02	1413 S Standard		1225 @ 640 L
			10.0 Standard		NA			
		initial		initial			initial	
after 6	(gal.)	59.9	after 6	(gal.)	7.03	after 6	(gal.)	665
after	(gal.)		after	(gal.)		after	(gal.)	
after	(gal.)		after	(gal.)		after	(gal.)	
after	(gal.)		after	(gal.)		after	(gal.)	
after	(gal.)		after	(gal.)		after	(gal.)	

Water Sample:
Time Collected: 1215 (01-27-00) 3 gal - 204 ntu 6 gal 30 ntu

Physical Appearance at Start		Physical Appearance at Sampling	
Color	muddy gray brown	Color	clear
Odor	dirt	Odor	none
Turbidity (> 100 NTUs)	yes	Turbidity (> 100 NTU's)	30
Sheen/Free Product	no	Sheen/Free Product	no

Sample Parameters: VOC's (8260) Metals (6010) Mercury (7470A) Cyanide (9010) SVOC's (8270) PCBs (680) Pesticides (8080) Herbicides (8151A) Dioxin (8290) collected duplicate

Container Size	Container Type	# Collected	Filtered	Preservative	pH	Temp.	Conductivity
40 ml	glass	3	no	HCL			
1 l	amberglass	8	no	none			
1 l	amberglass	2	no	$Na_2S_2O_3$			
250 ml	poly	1	no	HNO_3			
500 ml	poly	1	no	HNO_3			
500 ml	poly	1	no	NaOH			

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? ..... 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 ____

NA

NOTES
Top of casing elevation: ____
Depth to Ground Water: ____
Ground Water Elevation: ____

GROUNDWATER SAMPLE EE-20

O'BRIEN & GERE ENGINEERS, INC. — Ground Water Sampling Log

Date: 10/18/99
Site Name: SOLOTTA
Site Location: SAUCET, IL
Personnel: J M STODLUE

Weather: SUNNY 50°
Well Number: EE-20
Project Number: 23548
Evacuation Method: PARASTALTIC PUMP
PID 0.0 PPM

Depth of Well * 30.41 ft. 1.30 = 29.11
Depth to Water * 14.17 ft. -1.30 = 12.87
Length of Water Column 16.24 ft.
Volume of Water in Well 2.65 gal.(s)
3X Volume of Water in Well 7.95 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 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	
TURB			4.0 Standard	✓	84 S Standard	
2.54			7.0 Standard	✓	1413 S Standard	✓
1.11	initial	625	10.0 Standard		initial	7600
	after 2.6 (gal.)	59.2	initial	7.41	after 2.66 (gal.)	7400
1.37	after 5.3 (gal.)	59.3	after 2.6 (gal.)	7.70	after 5.3 (gal.)	7000
0.47	after 8.0 (gal.)	59.2	after 5.3 (gal.)	8.11	after 8.0 (gal.)	7600
	after ___ (gal.)		after 8.0 (gal.)	8.05	after ___ (gal.)	
	after ___ (gal.)		after ___ (gal.)		after ___ (gal.)	

Water Sample:
Time Collected: 11:00 MS @ 12:30 & MSD @ 1:20

Physical Appearance at Start		Physical Appearance at Sampling	
Color	CLEAR	Color	Clear
Odor	NONE	Odor	None
Turbidity (> 100 NTUs)	2.56	Turbidity (> 100 NTU's)	0.47
Sheen/Free Product	NONE	Sheen/Free Product	None

Sample Parameters: VOC (8260) SVOC (8270) PCB (680) PEST (8081A) WERB (8151A) DIOXIN (8290) METALS (6010B/7470A) CYANIDE (9010B)

Container Size	Container Type	# Collected	Filtered	Preservative	pH	Temp.	Conductivity
40 ML	GLASS	3	N	HCL	8.05	59.2	7600
1 L	AMBER	2	N	NONE	"	"	"
1 L	"	2	N	"	"	"	"
1 L	"	2	N	"	"	"	"
1 L	"	2	N	"	"	"	"
1 L	"	2	N	NaS_2O_3	"	"	"
500 ML	POLY	1	N	HNO_3	"	"	"
500 ML	"	1	N	"	"	"	"
500 ML	"	1	N	NaOH	"	"	"

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 ✓
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: 14.17
Ground Water Elevation: ___

O'BRIEN & GERE ENGINEERS, INC. Ground Water Sampling Log

Date: 01-24-02
Site Name: Solutia, Sauget Area I
Site Location: Sauget Area
Personnel: Wm E. Wright

Weather: UGW Cloudy, well
Well Number: 7 ~~[illegible]~~ EE-20-60ft
Project Number: 23548
Evacuation Method: peristaltic pump

Depth of Well * 60 ft.
Depth to Water * 19.62 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:
NA
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 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	3.98		84 S Standard	NA	
			7.0 Standard	7.01		1413 S Standard	1174@60°F	
			10.0 Standard	NA				
	initial		initial			initial		
after 8	(gal.)	56.9	after 8	(gal.)	7.87	after 8	(gal.)	770
after	(gal.)		after	(gal.)		after	(gal.)	
after	(gal.)		after	(gal.)		after	(gal.)	
after	(gal.)		after	(gal.)		after	(gal.)	
after	(gal.)		after	(gal.)		after	(gal.)	

Water Sample:
Time Collected: 1615

Turbidity 1519 - 53 1609 - 20.3
1547 180

Physical Appearance at Start		Physical Appearance at Sampling	
Color	gray	Color	clear
Odor	dirt	Odor	none
Turbidity (> 100 NTUs)	yes	Turbidity (> 100 NTU's)	20.3
Sheen/Free Product	no	Sheen/Free Product	no

Sample Parameters: VOC's (8260) Metals (6010) Mercury (7470A) Cyanide (9010) SVOC's (8270) PCB's (680) Pesticides (8081A) Herbicides (8151A) Dioxin (8290)

Container Size	Container Type	# Collected	Filtered	Preservative	pH	Temp.	Conductivity
40ml	glass	3	no	HCL			
1 l	amberglass	8	no	none			
1 l	amberglass	2	no	$Na_2S_2O_3$			
250ml	poly	1	no	HNO_3			
500ml	poly	1	no	HNO_3			
500ml	poly	1	no	NaOH			

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? ..... 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 ____

NA

NOTES: Top of casing elevation: ____
Depth to Ground Water: ____
Ground Water Elevation: ____

O'BRIEN & GERE ENGINEERS, INC. Ground Water Sampling Log

Date: 3-17-00 ST. PATR. K'S DAY
Site Name: VILLAGE OF SAUGET
Site Location: SAUGET, IL AREA I
Personnel: CMW, HARRIS DRILLING

Weather: SUNNY, 29°F
Well Number: UGGW-EE20-60 FT-REPLACE
Project Number: 23548
Evacuation Method:

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)

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 20 gal.(s)
Did well go dry? Yes ____ No X

*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 @1130	initial	6.40 @1130		initial	742 @1130	
after 20 (gal.)		63.0	after 20 (gal.)	6.55		after 20 (gal.)	658	
after ____ (gal.)			after ____ (gal.)			after ____ (gal.)		
after ____ (gal.)			after ____ (gal.)			after ____ (gal.)		
after ____ (gal.)			after ____ (gal.)			after ____ (gal.)		
after ____ (gal.)			after ____ (gal.)			after ____ (gal.)		

URBIDITY
ITIAL = 897
30 = 40

Water Sample:
Time Collected: ____

Physical Appearance at Start

Color: Cloudy brown
Odor: NONE
Turbidity (> 100 NTUs): 897
Sheen/Free Product: NONE

Physical Appearance at Sampling

Color: CLEAR BROWN
Odor: NONE
Turbidity (> 100 NTU's): 40
Sheen/Free Product: NONE

Sample Parameters: Dioxin (8290)

Container Size	Container Type	# Collected	Filtered	Preservative	pH	Temp.	Conductivity
1 l	amberglass	2	no	$Na_2S_2O_3$, cool	6.55	63	656

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? ..... 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: 01-25-00
Site Name: Solutia, Sauget Area 1
Site Location: Sauget, IL
Personnel: Mike E Wright

Weather: Cloudy cold
Well Number: ~~EE20~~ UGGW-EE20-107FF
Project Number: 23548
Evacuation Method: peristaltic pump

Depth of Well * 100 ft.
Depth to Water * 19.60 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:
NA
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 3 gal.(s)
Did well go dry? Yes ____ No X

*Measurements taken from ____ Top of Well Casing ____ Top of Protective Casing ____ (Other, Specify) X ground surface

Water parameters:

Temperature Reading		pH Reading		Conductivity Reading	
		4.0 Standard	3.95	84 S Standard	NA
		7.0 Standard	7.02	1413 S Standard	1177@68°F
		10.0 Standard	NA		
initial		initial		initial	
after ____ (gal.)		after ____ (gal.)		after ____ (gal.)	
after ____ (gal.)		after ____ (gal.)		after ____ (gal.)	
after ____ (gal.)		after ____ (gal.)		after ____ (gal.)	
after ____ (gal.)		after ____ (gal.)		after ____ (gal.)	
after ____ (gal.)		after ____ (gal.)		after ____ (gal.)	

Water Sample:
Time Collected: 1330

Turbidity - 1015 dark muddy gray brown
1200 - muddy 1330 - ~~muddy~~ milky gray

Physical Appearance at Start		Physical Appearance at Sampling	
Color	dark muddy gray brown	Color	milky gray
Odor		Odor	dust
Turbidity (> 100 NTUs)	yes	Turbidity (> 100 NTU's)	yes
Sheen/Free Product	NO	Sheen/Free Product	NO

Sample Parameters: VOC's (8260) Metals (600) Mercury (7470A) Cyanide (9010) SVOC's (8270) 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			
1 l	amberglass	3	no	none			
1 l	amberglass	2	no	$Na_2S_2O_3$			
250 ml	poly	1	no	HNO_3			
500 ml	poly	1	no	HNO_3			
500 ml	poly	1	no	NaOH			

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? ..... 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 ____

NA

NOTES: Top of casing elevation: ____
Depth to Ground Water: ____
Ground Water Elevation: ____

O'BRIEN & GERE ENGINEERS, INC. — Ground Water Sampling Log

Date: 10/11/99
Site Name: SOUTH OF CO
Site Location: SAUGET IL
Personnel: JUDDLEY, AJ KIMBLE

Weather: SUNNY 80°
Well Number: MW-108
Project Number: 23548
Evacuation Method: PERISTALTIC PUMP

PID 0.0 PPM

Depth of Well *: 29.19 ft. -0.95 = 28.24
Depth to Water *: 9.18 ft. -0.95 = 8.23
Length of Water Column: 16.01 ft.
Volume of Water in Well: 2.61 gal.(s)
3X Volume of Water in Well: 7.83 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: 8.0 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	61.8	initial	6.14	initial	168 60
1.25 after	2.61 (gal.)	61.0	after 2.61 (gal.)	6.73	after 2.61 (gal.)	16 230
0.78 after	5.82 (gal.)	60.6	after 5.22 (gal.)	6.43	after 5.22 (gal.)	16 490
0.28 after	(gal.)		after (gal.)		after (gal.)	
after	(gal.)		after (gal.)		after (gal.)	
after	(gal.)		after (gal.)		after (gal.)	
after	(gal.)		after (gal.)		after (gal.)	

Water Sample: 9:30
Time Collected:

Physical Appearance at Start		Physical Appearance at Sampling	
Color	CLEAR	Color	CLEAR
Odor	NONE	Odor	NONE
Turbidity (> 100 NTUs)	1.25	Turbidity (> 100 NTU's)	0.36
Sheen/Free Product	NONE	Sheen/Free Product	NONE

Sample Parameters: VOC (8260B) SVOC (8270C) METALS (6010B/7470A) CYANIDE (9010B) PCBs (680 PESTICIDES (8081A) 8151A) DIOXIN (8290)

Container Size	Container Type	# Collected	Filtered	Preservative	pH	Temp.	Conductivity
40 ml	COVERS	3	N	HCL	6.75	60.7	16450
1L	AMBER	2	N	—	"	"	"
250 & 500ml	POLY	1	N	HNO3	"	"	"
500ml	"	1	N	NAOH	"	"	"
1L	AMBER	2	N	—	"	"	"
1L	"	4	N	—	"	"	"
1L	"	2	N	NA2S2O3	"	"	"

Monitoring Well Integrity Checklist: ALSO COLLECTED DUPLICATE QA/QC SAMPLE AT THIS LOCATION

		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?		✓	
Is the concrete pad and surface seal in good condition?	NONE		✓
Are soils surrounding the well pad eroded?			
Is the PVC well casing in good condition?	STEEL	✓	
Is there standing water in the annular space between the well stand pipe and PVC casing?			✓
Is the stand pipe vented at the base to provide drainage?			✓
Does the total depth of the well sounded correspond with original well completion depths?		✓	

NOTES: Top of casing elevation: ✓
Depth to Ground Water: 9.18
Ground Water Elevation:

O'BRIEN & GERE ENGINEERS, INC — Ground Water Sampling Log

Date: 01-28-00
Site Name: Solutia, Sauget Area 1
Site Location: Sauget, IL
Personnel: Wm E. Wright

Weather: cloudy, cold
Well Number: UGHW-EEG-108-GP-60FT
Project Number: 23548
Evacuation Method: peristaltic pump

Depth of Well * 60 ft.
Depth to Water * 23.6 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:
NA
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 16 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		4.09	84 S Standard		NA
			7.0 Standard		7.02	1413 S Standard		1275@68°F
			10.0 Standard		NA			
		initial			initial			initial
after 16	(gal.)	58.4 ~~6.95~~	after 16	(gal.)	6.95	after 16	(gal.)	720
after	(gal.)		after	(gal.)		after	(gal.)	
after	(gal.)		after	(gal.)		after	(gal.)	
after	(gal.)		after	(gal.)		after	(gal.)	
after	(gal.)		after	(gal.)		after	(gal.)	

Water Sample: Turbidity 1030 - >1000 NTU 1200 - 40 NTU EB, MS, MSD
Time Collected: 1450 1100 - 626 1225 - 9 NTU collected
1130 - 114

Physical Appearance at Start
Color: muddy gray brown
Odor: Pest
Turbidity (> 100 NTUs): yes
Sheen/Free Product: no

Physical Appearance at Sampling
Color: clear
Odor: none
Turbidity (> 100 NTU's): 9
Sheen/Free Product: no

Sample Parameters: VOC's (8260) Metals (6010) Mercury (7470A) Cyanide (9010B) SVOC's (8270) 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			
1 l	amber glass	8	no	none			
1 l	amber glass	2	no	$Na_2S_2O_3$			
250 ml	poly	1	no	HNO_3			
500 ml	poly	1	no	HNO_3			
500 ml	poly	1	no	NaOH			

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? ..... 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 ____

NA

NOTES
Top of casing elevation: ____
Depth to Ground Water: ____
Ground Water Elevation: ____

O'BRIEN & GERE ENGINEERS, INC. — Ground Water Sampling Log

Date: 01-31-00
Site Name: Solutia Sauget Area 1
Site Location: Sauget IL
Personnel: Will E. Wright

Weather: cloudy, cold
Well Number: MW-REG-108-6-P-100FT
Project Number: 23548
Evacuation Method: Peristaltic Pump

Depth of Well * 101 ft.
Depth to Water * 16 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:
NA
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 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	4.03	84 S Standard	NA
		7.0 Standard	6.99	1413 S Standard	1314@64°F
		10.0 Standard	NA		
initial	58.3	initial	6	initial	6
after 6 (gal.)	58.3	after 6 (gal.)	6.85	after 6 (gal.)	793

Water Sample:
Time Collected: 1215

Turbidity: 1020 - 90, 1040 - 134, 1110 - 200, 1140 - 172, 1200 - 150, 1210 - 170

Physical Appearance at Start
Color: muddy gray
Odor: none
Turbidity (> 100 NTUs): yes
Sheen/Free Product: no

Physical Appearance at Sampling
Color: cloudy gray
Odor: none
Turbidity (> 100 NTU's): yes
Sheen/Free Product: no

Sample Parameters: VOC's (8260) Metals (6010) Mercury (7470A) Cyanide (9010B) SVOC's (8270) PCB's (608) Pesticides (8081A) Herbicides (8151A) Dioxin (8290)

Container Size	Container Type	# Collected	Filtered	Preservative	pH	Temp.	Conductivity
40 ml	glass	3	no	HCL			
1 l	amber glass	3	no	none			
1 l	amber glass	2	no	$Na_2S_2O_3$			
250 ml	~~plastic~~ poly	1		~~HNO3~~			
500 ml	~~plastic~~ poly	1		HNO_3			
500 ml	~~plastic~~ poly	1		NaOH			

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?..... 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: ____

3.16.4.4. Chain-of-Custody Forms

Serial Number 1[illegible] 330

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

[X] 6102 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	B 11 1, Solutia

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
IL	J. Lee / Al Karam	(314) 842-1550	(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

[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 (8260B) (4 vials)	HEXANE (8015A) (1 vial)	CYANIDE (9010B) (2 vials)	METALS (6010B) (2 vials)	MERCURY (7470A) (2 vials)	SVOCs (8270C) (2 vials)	PCBs (608) (2 vials)	REMARKS
10/11/99	0915		EEG-108	X				4	1	2	2	2			
10/11/99	—		TEMPBLANK	X											

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	FedX #3155 1526 6310	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			

215A-1

FedEx *USA Airbill* FedEx Tracking Number 8155 1526 6310

Form ID 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 Cark

Phone (314) 842-4960

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 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?

- [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	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

SNF 090 • Rev. Date 11/98 • Part #1548135 • © 1994-98 FedEx • PRINTED IN U.S.A.

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.	PO NUMBER
Solutia Sampel Anal	23548	P.11 Dec 11/h Solutia

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
IL	JJ [illegible] / D Kaiser	(314) 842 [illegible]	(314) 842 3266

CLIENT NAME	CLIENT PROJECT MANAGER
Solutia	Kimberly Peery-Solutia

CLIENT ADDRESS (CITY, STATE, ZIP): St Louis, Mo

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: PESTS (8081A) / H_2SO_4 (9151A) / CYANIDE (9010B) / METALS (6010B) / MERCURY (7470A) / SVOCs (8270C) / PCBs (8080)

PAGE 1 OF 1

[X] STANDARD REPORT DELIVERY
[ ] EXPEDITED REPORT DELIVERY (surcharge)

Date Due

								Cool	Cool NaOH	Cool HNO_3	Cool	Cool				
SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	NUMBER OF CONTAINERS SUBMITTED								REMARKS
10/11/99	1000		FEG-108DUP	X				4	1	2	2	2				
10/11/99			TEMP BLANK	X												

215A-3

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 # 9155 1526 6331	10/11/99	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 8155 1526 6331

SDA11

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 Beachump 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	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

SRP 099 • 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** **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): _____

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	Ted 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.

215A-5

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 for admin

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	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

Serial Number 1 44

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

[X] 5... LaRoche Avenue, Savannah, GA 31404 — Phone (912) 354-7858 — Fax: (912) 352-0165
[X] 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
PO NUMBER: Pillo Solutia
PROJECT LOC. (State): IL
SAMPLER(s) NAME: AJ Cook / FA Thompson
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

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 (8260B)	PESTS (8081A) HERBS (8151A)	SVOCs (8270C)	PCBs (660)	METALS (6010B)	MERCURY (7470A)	CYANIDE (9010B)				REMARKS
								(001) HCL	(001)	(001)	(001)	(001) HNO3	(001) HNO3	(001) NaOH				
0/13/99	0915		EE-04	X				3	4	2	2	1	1	1				
0/13/99	0915		EE-04 DUP	X				3										
0/13/99	1300		EE-05	X				3										
0/13/99	1300		EE-05 MS	X				3										
0/13/99	1300		EE-05 MSD	X				3										
0/13/99	1120	[illegible]	EE-04-60FT	X				3										
0/13/99	1400		EE 05 EB	X				3										
0/13/99	–		TRIPBLANK															
0/13/99	–		TEMPBLANK															

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]	9/2/99		[signature]	10/8/99	0800			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
[signature]	9/24/99					Fedex #8155 1526 6423	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			

215A-7

CLIENTS FIELD COPY

FedEx *USA Airbill* FedEx Tracking Number 8155 1526 6423

0215 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 Beachup 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? Dangerous Goods 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

SAP 099 • Rev. Date 11/98 • Part #1548135 • © 1994-98 FedEx • PRINTED IN U.S.A.

RETAIN THIS COPY FOR YOUR RECORDS

Serial Number 1 340

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
Gulf Sand Area 1	22518	Bill to Solutia

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
IL	A. Cook / DA Thompson	(314) 842 1550	(314) 842 5266

CLIENT NAME	CLIENT PROJECT MANAGER
Solutia	Kimberly Pennington

CLIENT ADDRESS (CITY, STATE, ZIP): St Louis MO

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMI-SOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: TPH (8015A) / HERBS (8151A) / SVOCs (8270C) / PCBs (8080) / 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 SEMI-SOLID	AIR	NONAQUEOUS LIQUID	TPH (8015A)	HERBS (8151A)	SVOCs (8270C)	PCBs (8080)	METALS (6010B)	MERCURY (7470A)	CYANIDE (9010B)				REMARKS
								1 (ice)	1 (ice)	1 (ice)	1 (ice) HNO3	1 (ice) HNO3	1 (ice) NaOH					
10/13/99	~~[illegible]~~ 0915		EE-04 DUP	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]	10/14		[signature]	10/13/99	0800			

RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
[signature]	10/14/99					Fed X #8155 1526 6415	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			

215A-9

FedEx *USA Airbill* FedEx Tracking Number 8155 1526 6445

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 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 23598.030.001

3 To Recipient's Name Betsy Beachy 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 POLICIES ON REVERSE 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†
6	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

SRP 800 • Rev. Date 11/98 • Part #1548135 • © 1994-98 FedEx • PRINTED IN U.S.A.

RETAIN THIS COPY FOR YOUR RECORDS

Serial Number 1 352

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	23618	Title Solutia

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
IL	J. Julse	(314) 812 1350	(314) 812-3660

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	HERBs (8151A)	SVOCs (8270C)	PCBs (8080)	METALS (6010B)	MERCURY (7470A)	CYANIDE (9010B)					REMARKS
								Cool	Cool	Cool	Cool HNO3	Cool HNO3	Cool NaOH					
10/13/99	1120	[illegible]	EE-04-60FT	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	0800	[signature]	10/13/99	1800

RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
[signature]			[signature]	10/13/99	1800	Fed x # 8155 1526 6412	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			

215A-11

FedEx USA Airbill 8155 1526 6412

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 Benchaap 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

DX No. 0215

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.)

- [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

SRP 890 • Rev. Date 11/98 • Part # 154813S • © 1994-98 FedEx • PRINTED IN U.S.A.

RETAIN THIS COPY FOR YOUR RECORDS

IT CHAIN OF CUSTODY **SAMPLER'S SIGNATURE** Dawn 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.
Dawn S Thompson	10/13/99 1900	FedEx# 8157-4782-0010			

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

Form ID No. 0215 8DA21

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 Pad 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	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.

359

SRP 999 • Rev. Date 11/98 • Part # 1548135 • © 1994-98 FedEx • PRINTED IN U.S.A.

RETAIN THIS COPY FOR YOUR RECORDS

Serial Number 10000

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
- [x] 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
SOLUTIA BUDGET AREA	23548	BILL TO SOLUTIA

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
IL	J.M. JUDGE	(314) 842-4330	(314) 842-3266

CLIENT NAME	CLIENT PROJECT MANAGER
SOLUTIA INC.	KIMBERLY TERRY-SCOTT

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: VOC 8260B; SVOC 8270C; PAH 8100; PESTICIDES 8081A; TPH-GRO 8015B; TPH-DRO 8015B; METAL 6010B; MERCURY 7470A; CYANIDE 9010C

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	VOC 8260B	SVOC 8270C	PAH 8100	PESTICIDES 8081A	TPH-GRO 8015B	TPH-DRO 8015B	METAL 6010B	MERCURY 7470A	CYANIDE 9010C	REMARKS
							HCL	2	2	2	2	1	1	1			
10/18/99	11:00		EE-20	✓			~~3~~	2	2	2	2	1	1	1			
10/18/99	12:30		EE-20 (MS)				~~3~~										
10/18/99	13:20		EE-20 (MSD)				~~3~~										
10/18/99	6:30		TRIP BLANK	✓			3										
			TRIP BLANK														

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
Kimberly Campbell	10/18/99		[signature]	10/18/99	16:20			

RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
[signature]	10/19/99	8:00	FED EX 815515267257	10/18/99	18:00			

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 7257

SDA1 0219

1 From Please print and press hard.

Date 10/18/99 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 23548.030.009

3 To Recipient's Name Betsy Benchemp 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?

- [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		$ .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 #1540135 • © 1994-98 FedEx • PRINTED IN U.S.A.

RETAIN THIS COPY FOR YOUR RECORDS

Serial Number 1 1166

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
P.O. NUMBER: BILL TO SOLUTIA
PAGE 1 OF 1

PROJECT LOC. (State): IL
SAMPLER(s) NAME: J.M. JUDGE
PHONE: (314) 842-4520
FAX: (314) 842-3226

CLIENT NAME: SOLUTIA INC.
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: SVOC 8270C; PCB-608; TCL 608A; HCB 2194; METALS-6010; MERCURY 7470A; CYANIDE 9010

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	SVOC 8270C	PCB-608	TCL 608A	HCB 2194	METALS-6010	MERCURY 7470A	CYANIDE 9010				REMARKS
10/18/99	12:30		EE-20 (MS)	X				2	2	2	2	1	1	1				
			TEMP BLANK															

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	9/30/99		[signature]	10/18/99	16:20			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
[signature] CONTAINERS	10/18/99	800	FED EX 8155 1526 7246	10/18/99	18:00			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS
			☐ YES ☐ NO			

215A-17

EE-20MS

SDA11

FedEx USA Airbill FedEx Tracking Number 8155 1526 7246

Form I.D. No. 0215

1 Please print and press hard

Date 10/16/99

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) 23548.030.009

3 To Recipient's Name Betsy Bechnup

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

[redacted]

See back for applicable service options

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

Dangerous Goods cannot be shipped in FedEx packaging

- [ ] Cargo Aircraft Only

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		$ .00

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

FedEx Use Only

8 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

Serial Number 1 0304

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 FORM
PROJECT NO.: 23548
P.O. NUMBER: BILL TO SOLUTIA
PAGE 1 OF 1

PROJECT LOC. (State): IL
SAMPLER(s) NAME: J. M. JUDGE
PHONE: (314) 842-4330
FAX: (314) 842-3266

CLIENT NAME: SOLUTIA INC.
CLIENT PROJECT MANAGER: KIMBERLY PERRY - SOLUTIA
CLIENT ADDRESS (CITY, STATE, ZIP): ST LOUIS, MO

☒ 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)	VOC 8260	PCP 680	PCB 8082	HERB 8151A	METAL (GOLD)	MERCURY 7470A	CYANIDE 9010A	REMARKS
								Aqueous	Aqueous	Aqueous	Aqueous	Aqueous	Aqueous	Aqueous	
								NUMBER OF CONTAINERS SUBMITTED							
10/18/99	13:20		EE-20 (ISD)	X				2	2	2	2	1	1	1	
			TEMP BLANK												

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	10/18/99		[signature]	10/18/99	16:20			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
[signature]	10/18/99	8:00	FED EX 8155 1526 7260	10/18/99	18:00			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			☐ YES ☐ NO			

215A-19

SDA11

FedEx USA Airbill FedEx Tracking Number 8155 1526 7268 Form I.D. No. 0215

1 Please print and press hard

Date 10/18/99 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 Recipient's Name Betsy Beachamp 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

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 ___ 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		$ .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

SRP 899 • Rev. Date 11/98 • Part #1548135 • © 1994-98 FedEx • PRINTED IN U.S.A.

RETAIN THIS COPY FOR YOUR RECORDS

CL...T CHAIN OF CUSTODY **SAMPLER'S SIGNATURE** **Project/Quote 04939/99000001069**

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: 6

Turn Around Time (In Calendar Days):

Sample ID (3)	Date / Time	Preservation (4)	Matrix	Sample Amt.						Remarks
EE-20	10/18/99 11:00	$Na_4S_2O_3$	WATER	2L	X					
EE-20 (MS)	10/18/99 12:30	"	"	"	X					
EE-20 (MSD)	10/18/99 13:20	"	"	"	X					
TEMP/BLANK										

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
[signature]	10/18/99 16:40	Fed X # 815747919954			

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 9954

Form I.D. No. 0215

1 From *Please print and press hard.*

Date 10/16/99 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 23546.030.009

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?

- [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†
		$ .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

Serial Number 021293

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Savannah Laboratories
a division of Severn Trent Laboratories, Inc

- ⊗ 5102 LaRoche Avenue, Savannah, GA 31404 — Phone (912) 354-7858 — Fax (912) 352 0165
- ○ 2846 Industrial Plaza Drive, Tallahassee, FL 32301 — Phone: (850) 878-3994 — Fax: (850) 878-9504
- ○ 900 Lakeside Drive, Mobile, AL 36693 — Phone (334) 666-6633 — Fax (334) 666-6696
- ○ 6712 Benjamin Rd., Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049

PROJECT REFERENCE: Sauget Area 1	PROJECT NO: 23548	PROJECT LOCATION (STATE): TX	PAGE 1 OF 1
STL (LAB) PROJECT MANAGER: B. Beauchamp	P.O. NUMBER: Direct Bill to Solutia	CONTRACT NO	STANDARD REPORT DELIVERY ⊗ DATE DUE
CLIENT (SITE) PM: Kimberly Perry	CLIENT PHONE	CLIENT FAX	EXPEDITED REPORT DELIVERY (SURCHARGE) ○ DATE DUE
CLIENT NAME: Solutia Inc	CLIENT EMAIL		
CLIENT ADDRESS: St. Louis, MO			
COMPANY CONTRACTING THIS WORK (if applicable):			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

MATRIX TYPE / REQUIRED ANALYSES

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)	VOCs (SW8260)	Metals (SW6010)	Mercury (SW7470A)	Cyanide (SW9010B)	SVOCs (SW8270)	PCBs (8082)	Pesticides (SW8081A)	Herbicides (SW8151A)		VOCs (SW5035/8260B)	REMARKS
								HCL cool	HNO_3 cool	HNO_3 cool	NaOH cool	cool	cool	cool	cool		cool	
01-24-00	1615	UG-GW-EE20-60FT	G	X				3	1	1	1	2	2	2	2			
01-24-00	EAS/1040	BS-EE20-0.5FT			X												3	
01-24-00	1115	BS-EE20-3-6FT			X												3	
01-24-00	—	Trip Blank		X				3										
01-24-00	—	Temp Blank		X														

NUMBER OF CONTAINERS SUBMITTED

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
F. Swafford	12/7/99	[illegible]	William E. Wright	01-24-00	1900			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
William E. Wright	12/7/99	0800	Fed Ex 8170-9422-8330	01-24-00	1900			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	STL-SL LOG NO.	LABORATORY REMARKS:
			YES NO			

215A-23

FedEx USA Airbill FedEx Tracking Number 8170 9422 8330

1 From Please print and press hard

Date 01-24-00 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. 23548.030.009

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.

0119 1431

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? Declaration 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	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

SHIP FEDEX Rev. Date 11/98 • Part #154013S • © 1994-98 FedEx • PRINTED IN U.S.A.

RETAIN THIS COPY FOR YOUR RECORDS

215A-24

CLIENT CH OF CUSTODY SAMPLER'S SIGNATU William E. Wright Project/Quote 04998/990000 9

From (1): Solutia, Inc.
575 Maryville Center Drive
St. Louis, MO 63141

Project (1): Sauget Area 1 Support Sampling

Contact: Ms. Kimberly Perry
Phone: 314 393 3721
Fax: 314 674 8952
P.O.# (1) ~~03~~ Direct Bill to Solutia

Analysis Wanted (2): Dioxin (8280) | Dioxin (8290)

Total Number of Containers: ~~8~~ 5

Turn Around Time (In Calendar Days):

(SOL05 /FMS)

Data to be reported to the state of MO.

Sample ID (3)	Date / Time	Preservation (4)	Matrix	Sample Amt.	Dioxin (8280)	Dioxin (8290)				Remarks
S-EE20-0.5FT	01-24-00/1040	cool	soil	500 ml	X					
S-EE20-3.6FT	01-24-00/1115	cool	soil	500 ml	X					
G-GW-EE20-60FT	01-24-00/1615	$Na_2S_2O_3$, cool	water	2, 1 liter	~~X~~ BSH	X				
Temp Blank	01-24-00 1800	cool	water							

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
William E. Wright	01/24/00 1900	Fed Ex 8176-9423-1565			

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.

215A-25

FedEx USA Airbill Fedex Tracking Number 8170 9423 1565

SDA12

0215

1 From Please print and press hard

Date 01-24-00 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 23548.030.009

3 To

Recipient's Name FRANK STEVENS Phone (919) 544-5729

Company TRIANGLE LABORTIES

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 Rapid 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 — *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

Total Packages: 1 Total Weight: 72 Total Declared Value†: $ 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

SRP 1109 · Rev. Date 11/96 · Part #154835 · © 1994-98 FedEx · Printed in U.S.A.

RETAIN THIS COPY FOR YOUR RECORDS

215A-26

Serial Number 021250

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Savannah Laboratories
a division of Severn Trent Laboratories, Inc

- 5102 LaRoche Avenue, Savannah, GA 31404 — Phone (912) 354-7858 — Fax (912) 352-0165
- 2846 Industrial Plaza Drive, Tallahassee, FL 32301 — Phone (850) 878-3994 — Fax (850) 878-9504
- 900 Lakeside Drive, Mobile, AL 36693 — Phone (334) 666-6633 — Fax (334) 666-6696
- 6712 Benjamin Rd., Suite 100, Tampa, FL 33634 — Phone (813) 885-7427 — Fax (813) 885-7049

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)
Sangat Area 1	25545	FL

STL (LAB) PROJECT MANAGER	P.O. NUMBER	CONTRACT NO.
B. Beardsley	Direct Bill to Solutia	

CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX
[illegible]		

CLIENT NAME	CLIENT EMAIL
Solutia, Inc.	

CLIENT ADDRESS: [illegible]

COMPANY CONTRACTING THIS WORK (if applicable):

PAGE 1 OF 1

STANDARD REPORT DELIVERY ☒

DATE DUE

EXPEDITED REPORT DELIVERY (SURCHARGE) ○

DATE DUE

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)	VOC (SW8260)	Metals (SW6010)	Mercury (7470A)	Cyanide (9010B)	SVOC (8270)	PCB (8082)	Pesticides (8081A)	Herbicides (8151A)			REMARKS
								HCl cool	HNO3 cool	HNO3 cool	NaOH cool	Cool	cool	cool	Cool			
01-25-00	1330	UX(W)-EB-10-FT	G	X				3	1	1	1	2	2	2	2			
01-25-00	1730	Trip Blank		X				3										
01-25-00	—	Trip Blank		X														

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[illegible]			William E. Wright	1-25-00	1900			

RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
William E. Wright	1/25/99	2500	Fed Ex 5170-9432-8320	01-25-00	1900			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	STL-SL LOG NO.	LABORATORY REMARKS:
			YES / NO			

215A-27

SDA12

FedEx USA Airbill 8170 9422 8320 Form I.D. No. 0215

From Please print and press hard.

Date 01-25-00 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. 23548.030.009

3 Recipient

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 Services — 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 ____ x ____ kg
- [ ] 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	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

CLIENT CHAIN OF CUSTODY

SAMPLER'S SIGNATURE [signature] Project/Quote 04998/9 001069

From (1) Solutia, Inc.
575 Maryville Center Drive
St. Louis, MO 63141

Project (1) Sauget Area I Support Sampling

Contact Mr. Kimberly Perry
Phone 314 393 3721
Fax 314 674 8957
Report Bill to Solutia

(SOL05 /FMS)

Data to be reported to the state of MO.

Analysis Wanted (2): Dioxin 8290

Total Number of Containers: 3

Turn Around Time (In Calendar Days):

Sample ID (3)	Date / Time	Preservation (4)	Matrix	Sample Amt.	Dioxin 8290				Remarks
[illegible]-SE-20-100FT	01-25-00/1330	$Na_2S_2O_3$, cool	water	2, 1 liter	X				
[illegible] Blanks	01/25/00/1745	cool	water						

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
[signature]	01-25-00/1900	Fax 8170-9423-1576			

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.

ed 8170 9423 1576 Form ID No. 0215

Date 01-25-99 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

City SAINT LOUIS State MO ZIP 63128

Your Internal Billing Reference 23548.030.009

Recipient's Name FRANK STEVENS Phone (919) 544-5729

Company TRIANGLE LABORTIES

Address 801 CAPITOLA DR

City DURHAM State NC ZIP 27713

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

0119392504

4a — *Packages up to 150 lbs.*

- [X] FedEx Priority Overnight
- [ ] FedEx Standard Overnight
- [ ] FedEx First Overnight
- [ ] FedEx 2Day*
- [ ] FedEx Express Saver*

4b — *Packages over 150 lbs.*

- [ ] FedEx 1Day Freight*
- [ ] FedEx 2Day Freight
- [ ] FedEx 3Day Freight

5

- [ ] FedEx Letter*
- [ ] FedEx Pak*
- [X] Other Pkg

6

- [ ] Saturday Delivery
- [ ] Sunday Delivery
- [ ] HOLD Weekday at FedEx Location
- [ ] HOLD Saturday at FedEx Location

Does this shipment contain dangerous goods?

- [X] No
- [ ] Yes
- [ ] Yes
- [ ] Dry Ice

Cargo Aircraft Only

7 — Bill to:

- [X] Sender
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

Total Packages	Total Weight	Total Declared Value†
1	20	$ .00

FedEx Use Only

8

359

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
Sauget Area 1	23518	[illegible]

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE / FAX
[illegible]	William E. [illegible]	

CLIENT NAME	CLIENT PROJECT MANAGER
Solutia Inc	[illegible]

CLIENT ADDRESS (CITY, STATE, ZIP): ST. [illegible]

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	[illegible]	Metals (6010)	Mercury (7470A)	Cyanide (9010B)	SVOCs (8270)	PCBs (680)	Herbicides (8150A)	Pesticides (8081A)			REMARKS
								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
01-27-00	1215		[illegible]	X				1	1	1	1	2	2	2	2			
~~01-27-00~~			~~[illegible]~~	X				~~3~~										
01-27-00	—		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
[illegible]	1/7/91	9:20	William E. [illegible]	01-27-00	1900			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
William E. [illegible]	1/9/91	0800	FED EX 8187-0379-2090	01-27-00	1900			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			[ ] YES [ ] NO			

215A-31

FedEx USA Airbill 8187 0379 2090

SDA22

0215

1 From

Date 1-27-00 Sender's FedEx Account Number 1187-9587-3

Sender's Name BILL WRIGHT Phone (314) 842-4550

Company O'BRIEN & GERE

Address 12250 WEBER HILL RD

Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63127

2 Your Internal Billing Reference 23548.030.009

First 24 characters will appear on invoice.

3

Recipient's Name BETSY BEAUBEAUCHAMP Phone (912) 354-7858

Company SAVANNAH LABRATORIES

Address 5102 LAROCHE AVE

To "HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

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.

0126730793

4a Express Package Service — Packages up to 150 lbs.

- [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 Envelope/Letter Rate not available. Minimum charge: One-pound rate.

4b Express Freight Service — Packages over 150 lbs.

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

* Call for Confirmation: _____

5 Packaging

- [ ] FedEx Envelope/Letter*
- [ ] FedEx Pak*
- [x] Other Pkg. — includes FedEx Box, FedEx Tube, and customer pkg.

* Declared value limit $500

6 Special Handling — Include FedEx address in Section 3.

- [ ] 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 Sat 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:

- [ ] 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

Serial Number 021292

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Savannah Laboratories
a division of Severn Trent Laboratories, Inc

- (X) 5102 LaRoche Avenue, Savannah, GA 31404 — Phone: (912) 354-7858 — Fax: (912) 352-0165
- ( ) 2846 Industrial Plaza Drive, Tallahassee, FL 32301 — Phone: (850) 878-3994 — Fax: (850) 878-9504
- ( ) 900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
- ( ) 6712 Benjamin Rd., Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049

PROJECT REFERENCE: Sauget Area 1	PROJECT NO.: 23548	PROJECT LOCATION (STATE): IL	PAGE 1 OF 1
STL (LAB) PROJECT MANAGER: B. Beauchamp	P.O. NUMBER: Direct Bill to Solutia	CONTRACT NO.:	STANDARD REPORT DELIVERY: (X)
CLIENT (SITE) PM: ~~Sol~~ K. Perry	CLIENT PHONE:	CLIENT FAX:	DATE DUE
CLIENT NAME: Solutia Inc	CLIENT EMAIL:		EXPEDITED REPORT DELIVERY (SURCHARGE): ( )
CLIENT ADDRESS: ST Louis, MO			DATE DUE
COMPANY CONTRACTING THIS WORK (if applicable):			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

MATRIX TYPE: COMPOSITE (C) OR GRAB (G) INDICATE; AQUEOUS (WATER); SOLID OR SEMISOLID; AIR; NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)

REQUIRED ANALYSES / NUMBER OF CONTAINERS SUBMITTED

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)	VOCs (8260B) HCL cool	Metals (6010B) HNO3 cool	Mercury (7470A) HNO3 cool	Cyanide (9010B) NaOH cool	SVOCs (8270C) cool	PCB (680) cool	Pesticides (8081A) cool	Herbicides (8151A) cool	VOCs (8260)		REMARKS
01-27-00	0835	BS-EEG-108-0.5FT-EB		X				3	1	1	1	2	2	2	2			
01-27-00	1215	UGGW-EE04-100FT-SUB		X												3		
01-27-00	1215	UGGW-EE04-100FT-SUB-FD		X												3		
01-27-00	1500	Trip Blank		X												3		
01-27-00	—	Temp Blank		X														

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
F Swafford	12/7/99	5:25	William E. Albright	01-27-00	1900			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
William E. Albright	12/9/99	0810	Fed Ex 8187-0379-2080	01-27-00	1900			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	STL-SL LOG NO.	LABORATORY REMARKS:
			YES NO			

215A-33

FedEx USA Airbill FedEx Tracking Number 8187 0379 2080

From Please print and press hard.

Date 1-27-00 Sender's FedEx Account Number 1187-9587-3

Sender's Name BILL WRIGHT Phone (314) 842-4550

Company O'BRIEN & GERE

Address 12250 WEBER HILL RD

Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63127

Your Internal Billing Reference 23548.030.009

To Recipient's Name BETSY BEAUBEAUCHAMP Phone (912) 354-7858

Company SAVANNAH LABRATORIES

Address 5102 LAROCHE AVE

To "HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

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.

0126730793

Sender's Copy

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 business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Standard Overnight is available. Minimum charge. See ground 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 Envelope/Letter*
- [ ] FedEx Pak*
- [X] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg.

6 Special Handling — Includes FedEx address in Section 3.

- [ ] 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

- [ ] 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

SRW 010E Rev. Date 6/99 Part # 150873-E © 1994-96 FedEx PRINTED IN U.S.A.

Serial Number 021291

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Savannah Laboratories
a division of Severn Trent Laboratories, Inc

5102 LaRoche Avenue, Savannah, GA 31404 — Phone (912) 354-7858 — Fax (912) 352-0165
2846 Industrial Plaza Drive, Tallahassee, FL 32301 — Phone (850) 878-3994 — Fax (850) 878-9504
900 Lakeside Drive, Mobile, AL 36693 — Phone (334) 666-6633 — Fax (334) 666-6696
6712 Benjamin Rd., Suite 100, Tampa, FL 33634 — Phone (813) 885-7427 — Fax (813) 885-7049

PROJECT REFERENCE: Sauget Area 1	PROJECT NO. 23384	PROJECT LOCATION (STATE) IL
STL (LAB) PROJECT MANAGER: B. Bentham	P.O. NUMBER: Bill to client	CONTRACT NO.
CLIENT (SITE) PM: K. Perry	CLIENT PHONE	CLIENT FAX
CLIENT NAME: Shell Inc	CLIENT EMAIL	
CLIENT ADDRESS: St. Louis, MO		
COMPANY CONTRACTING THIS WORK (if applicable):		

PAGE 1 OF 1

STANDARD REPORT DELIVERY: X
DATE DUE
EXPEDITED REPORT DELIVERY (SURCHARGE): O
DATE DUE

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	MATRIX: COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)	VOC (8260B)	PCB (8082)	Pesticides (8081A)	Herbicides (8151A)	REMARKS
1-27-00	1215	16MW-EE01-15DFT-SUB-FD		X				1	1	1	2	2	2	2	
1-27-00	—	Temp Blank		X										

215A-35

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[illegible]			William E. Wright	01-27-00	1900			

RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
William E. Wright	1-27-00	0807	Fed Ex 8187-0379-3079	01-27-00	1900			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	STL-SL LOG NO.	LABORATORY REMARKS:
			YES / NO			

FedEx USA Airbill FedEx Express Number 8187 0379 2079

Form I.D. No. 0215

1 From Please print and press hard

Date 1-27-00 Sender's FedEx Account Number 1187-9587-3

Sender's Name BILL WRIGHT Phone (314) 842-4550

Company O'BRIEN & GERE

Address 12250 WEBER HILL RD

Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63127

2 Your Internal Billing Reference 23548.030.009

First 24 characters will appear on invoice

3 To Recipient's BETSY BEAUBEAUCHAMP Phone (912) 354-7858

Company SAVANNAH LABRATORIES

Address 5102 LAROCHE AVE

To "HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

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.

0126730793

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 Envelope/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 Envelope/Letter* — FedEx Pak*

X Other Pkg — includes FedEx Box, FedEx Tube, and customer pkg.

6 Special Handling — Include FedEx address in Section 3.

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 Overnight and Pak 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:

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

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 to Solutia

(SOL05 /FMS)

Data to be reported to the state of MO.

Analysis Wanted (2): Dioxin (8290) | ~~Dioxin (8280)~~ | Dioxin (8280)

Total Number of Containers: 10

Turn Around Time (In Calendar Days):

Sample ID (3)	Date / Time	Preservation (4)	Matrix	Sample Amt.	Dioxin (8290)	~~Dioxin (8280)~~	Dioxin (8280)			Remarks
UGGW-EE04-100FT-SUB	01-27-00 1215	$Na_2S_2O_3$, cool	water	2, 1 liter	X					
BS-EEG108-0.5FT-EB	01-27-00 0835	$Na_2S_2O_3$, cool	water	2, 1 liter	~~[illegible]~~		X			
UGGW-EE04-100FT-SUB-FD	01-27-00 1215	$Na_2S_2O_3$, cool	water	2, 1 liter	X					
BS-EEG108-0.5FT	01-27-00 1535	cool	soil	500 ml			X			
BS-EEG108-3-6FT	01-27-00 1615	cool	soil	500 ml			X			
BS-EEG108-3-6FT-MS/MSD	01-27-00 1615	cool	soil	500 ml			X			
Temp Blank	01-27-00 1800	cool	water							

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
[signature]	01-27-00 1900	Fed Ex 8170-9423 1598			

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 8170 9423 1598

From Please print and press hard.

Date 1-27-00 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

Your Internal Billing Reference 23544.030.009

To Name FRANK STEVENS Phone (919) 544-5729

Company TRIANGLE LABORTIES

Address 801 CAPITOLA DR

Dept./Floor/Suite/Room

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

0215 Sender's Copy

4a Express Package Service — Packages up to 150 lbs.

- [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	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

SRP 1994-R-L. Part #1145-35-P 1994 © FedEx • PRINTED IN U.S.A.

Serial Number 022200

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Savannah Laboratories
a division of Severn Trent Laboratories, Inc.

5102 LaRoche Avenue, Savannah, GA 31404 — Phone: (912) 354-7858 — Fax: (912) 352-0165
2846 Industrial Plaza Drive, Tallahassee, FL 32301 — Phone: (850) 878-3994 — Fax: (850) 878-9504
900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
6712 Benjamin Rd., Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049

SITE AREA 1

PROJECT REFERENCE: ~~SOLUTIA~~	PROJECT NO.: 23548	PROJECT LOCATION (STATE):	PAGE 1 OF 1
STL (LAB) PROJECT MANAGER: B. BEAUCHAMP	P.O. NUMBER: DIRECT BILL SOLUTIA	CONTRACT NO.:	STANDARD REPORT DELIVERY ●
CLIENT (SITE) PM: KIMBERLY PERRY	CLIENT PHONE:	CLIENT FAX:	DATE DUE
CLIENT NAME: SOLUTIA INC	CLIENT EMAIL:		EXPEDITED REPORT DELIVERY (SURCHARGE) ○
CLIENT ADDRESS:			DATE DUE
COMPANY CONTRACTING THIS WORK (if applicable):			NUMBER OF COOLERS SUBMITTED PER SHIPMENT: 1

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)	METALS (6010)	MERCURY (7470)	CYANIDE (9010)	SVOCS (8270)	PCB'S (608)	VOCS (8260)	HERBS (8151A)				REMARKS
								HNO3	HNO3	NaOH								
								COOL	COOL	COOL	COOL	COOL	COOL	COOL				
								NUMBER OF CONTAINERS SUBMITTED										
01/28/00	1230	U6GW-EG108-6044-		X				1	1	1	2	2	2	2				
01/28/00		TEMP BLANK		X														

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			William E. Albright	01-28-00	1900			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
William E. Albright	01/28/00	0800	FEDX # 8187037920 57	01-28-00	1900			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	STL-SL LOG NO.	LABORATORY REMARKS:
			YES NO			

215A-39

FedEx *USA Airbill* FedEx Tracking Number 8187 0379 2057

Sender's Copy

1 From *Please print and press hard*

Date 01/28/00 Sender's FedEx Account Number 1187-9587-3

Sender's Name BILL WRIGHT Phone (314) 842-4550

Company O'BRIEN & GERE

Address 12250 WEBER HILL RD

Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63127

2 Your Internal Billing Reference First 24 characters will appear on invoice 23548.030.009

3 To

Recipient's Name BETSY BEAUBEAUCHAMP Phone (912) 354-7858

Company SAVANNAH LABRATORIES

Address 5102 LAROCHE AVE

To "HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

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.

0126730793

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 Envelope/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 Envelope/Letter*
[ ] FedEx Pak*
[X] Other Pkg. Includes FedEx Box, FedEx Tube, and customer pkg.

6 Special Handling Include FedEx address in Section 3

[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

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.

359

PULL AND RETAIN THIS COPY BEFORE AFFIXING TO THE PACKAGE.

Serial Number 021280

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Savannah Laboratories
a division of Severn Trent Laboratories, Inc

- (X) 5102 LaRoche Avenue, Savannah, GA 31404 — Phone: (912) 354-7858 — Fax: (912) 352-0165
- ( ) 2846 Industrial Plaza Drive, Tallahassee, FL 32301 — Phone: (850) 878-3994 — Fax: (850) 878-9504
- ( ) 900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
- ( ) 6712 Benjamin Rd., Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049

PROJECT REFERENCE: SAUGET AREA 1	PROJECT NO.: 23548	PROJECT LOCATION (STATE):	PAGE 1 OF 1
STL (LAB) PROJECT MANAGER: B BEAUCHAMP	P.O. NUMBER: BILL TO SOLUTIA	CONTRACT NO.:	STANDARD REPORT DELIVERY: ~~X~~ DATE DUE
CLIENT (SITE) PM: K. PERRY	CLIENT PHONE:	CLIENT FAX:	EXPEDITED REPORT DELIVERY (SURCHARGE): ( ) DATE DUE
CLIENT NAME: SOLUTIA INC	CLIENT EMAIL:		
CLIENT ADDRESS: ST LOUIS, MO			NUMBER OF COOLERS SUBMITTED PER SHIPMENT: 1
COMPANY CONTRACTING THIS WORK (if applicable):			

MATRIX TYPE: COMPOSITE (C) OR GRAB (G) INDICATE; AQUEOUS (WATER); SOLID OR SEMISOLID; AIR; NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)

REQUIRED ANALYSES / NUMBER OF CONTAINERS SUBMITTED

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)	METALS (6010) HNO3 COOL	MERCURY (7470A) HNO3 COOL	CYANIDE (9010B) NaOH COOL	SVOCs (8270) COOL	PCBS (680) COOL	PESTS (8081A) COOL	HERBS (8151A) COOL				REMARKS
01/28/00	1300	U66W-EE6103-6001-MS		X				1	1	1	2	2	2	2				
1/28/00		TEMP BLANK		X														

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]			William E. Albright	01-28-00	1900			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
William E. Albright	12/9/00	0800	Fed Ex 8187 0379 2035					

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	STL-SL LOG NO.	LABORATORY REMARKS:
			YES NO			

215A-41

FedEx *USA Airbill* FedEx Tracking Number 8187 0379 2035

Sender's Copy

1 From *Please print and press hard*

Date 01/28/00 Sender's FedEx Account Number 1187-9587-3

Sender's Name BILL WRIGHT Phone (314) 842-4550

Company O'BRIEN & GERE

Address 12250 WEBER HILL RD Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63127

2 Your Internal Billing Reference *First 24 characters will appear on invoice* 23548.030.009

3 To

Recipient's Name BETSY BEAUBEAUCHAMP Phone (912) 354-7858

Company SAVANNAH LABRATORIES

Address 5102 LAROCHE AVE *In "HOLD" at FedEx location, print FedEx address* We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept./Floor/Suite/Room

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.

0126730793

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 Envelope/Letter rates 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 Envelope/Letter*
[ ] FedEx Pak*
[X] Other Pkg. *Includes FedEx Box, FedEx Tube, and customer pkg.*

6 Special Handling — *Include FedEx address in Section 3*

[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* ____ 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 1 Total Weight 40 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

PULL AND RETAIN THIS COPY BEFORE AFFIXING TO THE PACKAGE.

Serial Number 021281

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Savannah Laboratories
a division of Severn Trent Laboratories, Inc

- ☒ 5102 LaRoche Avenue, Savannah, GA 31404 — Phone (912) 354-7858 — Fax (912) 352-0165
- ○ 2846 Industrial Plaza Drive, Tallahassee, FL 32301 — Phone: (850) 878-3994 — Fax: (850) 878-9504
- ○ 900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
- ○ 6712 Benjamin Rd., Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049

PROJECT REFERENCE: SAUGET AREA 1	PROJECT NO.: 23548	PROJECT LOCATION (STATE):	PAGE 1 OF 1
STL (LAB) PROJECT MANAGER: B BLAUGHAM	P.O. NUMBER: BILL TO SOLUTIA	CONTRACT NO.:	STANDARD REPORT DELIVERY ☒ DATE DUE
CLIENT (SITE) PM: K PERRY	CLIENT PHONE:	CLIENT FAX:	EXPEDITED REPORT DELIVERY (SURCHARGE) ○ DATE DUE
CLIENT NAME: SOLUTIA INC	CLIENT EMAIL:		
CLIENT ADDRESS:			
COMPANY CONTRACTING THIS WORK (if applicable):			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

MATRIX TYPE: COMPOSITE (C) OR GRAB (G) INDICATE; AQUEOUS (WATER); SOLID OR SEMISOLID; AIR; NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)

REQUIRED ANALYSES / NUMBER OF CONTAINERS SUBMITTED

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)	METALS (6010) HNO3 COOL	MERCURY (7470A) HNO3 COOL	CYANIDE (9010B) NAOH COOL	SVOC'S (8270) COOL	PCB'S (680) COOL	DEST'S (8081A) COOL	HERBS (8151A) COOL				REMARKS
01/28/00	1320	UGGW-EEG108S-60 FT-MSD		X				1	1	1	2	2	2	2				
01/28/00	—	Temp Blank		X														

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			William E. Wright	01/28/00	1900			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
William E. Wright	2/9/99	0800	Fed Ex 8182 0379 2044	01/28/00	1900			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	STL-SL LOG NO.	LABORATORY REMARKS:
			YES NO			

215A-43

FedEx USA Airbill FedEx Tracking Number 8187 037' 2046

Sender's Copy

1 From (Please print and press hard)

Date 01/28/00 Sender's FedEx Account Number 1187-9587-3

Sender's Name BILL WRIGHT Phone (314) 842-4550

Company O'BRIEN & GERE

Address 12250 WEBER HILL RD Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63127

2 Your Internal Billing Reference (First 24 characters will appear on invoice) 23548.030.009

3 To Recipient's Name BETSY BEAUBEAUCHAMP Phone (912) 354-7858

Company SAVANNAH LABRATORIES

Address 5102 LAROCHE AVE (To "HOLD" at FedEx location, print FedEx address) We cannot deliver to P.O. boxes or P.O. ZIP codes

Dept./Floor/Suite/Room

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.

0126730793

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 Envelope/Pak rates 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 Envelope/Letter*
[ ] FedEx Pak*
[X] Other Pkg (Includes FedEx Box, FedEx Tube, and customer pkg)

6 Special Handling — Include FedEx address in Section 3

[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	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

PULL AND RETAIN THIS COPY BEFORE AFFIXING TO THE PACKAGE.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

STL Savannah Laboratories
a division of Severn Trent Laboratories, Inc

6102 LaRoche Avenue, Savannah GA 31404 — Phone: (912) 354-7858 — Fax: (912) 352-0165
2846 Industrial Plaza Drive, Tallahassee, FL 32301 — Phone: (850) 878-3994 — Fax: (850) 878-9504
900 Lakeside Drive Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
6712 Benjamin Rd., Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049

PROJECT REFERENCE	Sauget Area 1
PROJECT NO.	23598
PROJECT LOCATION (STATE)	
STL (LAB) PROJECT MANAGER	B. Pennington
P.O. NUMBER	Bill to Solutia
CONTRACT NO.	
CLIENT (SITE) PM	Kimberly Perry
CLIENT PHONE	
CLIENT FAX	
CLIENT NAME	Solutia Inc
CLIENT EMAIL	
CLIENT ADDRESS	St. Louis
COMPANY CONTRACTING THIS WORK (if applicable):	
PAGE	1 OF 1
STANDARD REPORT DELIVERY	⊕
DATE DUE	
EXPEDITED REPORT DELIVERY (SURCHARGE)	○
DATE DUE	
NUMBER OF COOLERS SUBMITTED PER SHIPMENT:	1

REQUIRED ANALYSES

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)	VOC'S (8260)	METALS (6010)	Mercury (7470A)	Cyanide (9010B)	SVOC'S (8270)	PCB'S (608)	Pesticides (8081A)	Herbicides (8151A)			REMARKS
								HCL	HNO3	HNO3	None							
								Cool	Cool	Cool	Cool	Cool	Cool	Cool	Cool			
								NUMBER OF CONTAINERS SUBMITTED										
01/28/00	0800	UG-GW-EEG 108-60FT-EB		X				3	1	1	1	2	2	2	2			
01/28/00	1320	UGGW-EEG108-60-ft-MSD		X				3										
01/28/00	1300	UGGW-EEG108-60ft-MS		X				3										
01/28/00	1230	UGGW-EEG108-60ft		X				3										
		TRIP BLANK		X				3										
01/27/00	—	Temp Blank																

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[illegible]	[illegible]		William E. Wright	01-28-00	1900			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
William E. Wright	02/9/99	0800	FED EX 8157-0379-2024	01-28-00	1900			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	STL-SL LOG NO.	LABORATORY REMARKS:
			YES NO			

215A-45

FedEx USA Airbill FedEx Tracking Number 8187 03 1 2024

1 From Please print and press hard

Date 01/28/00 Sender's FedEx Account Number 1187-9587-3

Sender's Name BILL WRIGHT Phone (314) 842-4550

Company O'BRIEN & GERE

Address 12250 WEBER HILL RD

Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63127

2 Your Internal Billing Reference First 24 characters will appear on invoice 23548.030,009

3 To

Recipient's Name BETSY BEAUBEAUCHAMP Phone (912) 354-7858

Company SAVANNAH LABRATORIES

Address 5102 LAROCHE AVE

To "HOLD" at FedEx location, print FedEx address

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

Dept./Floor/Suite/Room

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

0126730793

Sender's Copy

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

6 Special Handling — Include FedEx address in Section 3

- [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:* 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

359

SHW 0110 • Rev. Date 8/99 • Part #154813 • ©1994-99 FedEx • PRINTED IN U.S.A.

PULL AND RETAIN THIS COPY BEFORE AFFIXING TO THE PACKAGE

CLIENT CHAIN OF CUSTODY | **SAMPLER'S SIGNATURE** William E. Albright | **Project/Quote 04998/9900001069**

From (1): Solutia, Inc.
575 Maryville Center Drive
St. Louis, MO 63141

Project (1): Sauget Area 1 Support Sampling

(SOL05 /FMS)

Contact: Ms. Kimberly Perry
Phone: 314-393-3721
Fax: 314-674-8957
P.O.# (1): Direct Bill to Solutia

Data to be reported to the state of MO.

Analysis Wanted (2): Dioxin (8290)

Total Number of Containers: 9

Turn Around Time (In Calendar Days):

Sample ID (3)	Date / Time	Preservation (4)	Matrix	Sample Amt.	Dioxin (8290)					Remarks
UGGW-EEG108-60FT-EB	01-28-00 0800	$Na_2S_2O_3$, cool	water	2, 1 liter	X					
UGGW-EEG108-60 FT	01-28-00 / 1230	$Na_2S_2O_3$, cool	water	2, 1 liter	X					
UGGW-EEG-108-60FT-MS	01-28-00 1300	$Na_2S_2O_3$	water	2, 1 liter	X					
UGGW-EEG-108-60F-MSD	01-28-00 1320	$Na_2S_2O_3$	water	2, 1 liter	X					
Temp Blank	01-28-00 1700	cool	water							

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
William E. Albright	01-28-00 1900	Fed Ex 8170-9423-1602			

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 8170 9423 1602

Sender's Copy

1 From Please print and press hard

Date 01/28/00 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 23548.030.009

3 To

Recipient's Name FRANK STEVENS Phone (919) 544-5729

Company TRIANGLE LABORTIES

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

0119392504

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: (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	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

SRP 1199 • Rev. Date 11/98 • Part #1548136 • © 1994-98 FedEx • PRINTED IN U.S.A.

RETAIN THIS COPY FOR YOUR RECORDS

Serial Number 021295

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Savannah Laboratories
a division of Severn Trent Laboratories, Inc

- ☒ 5102 LaRoche Avenue, Savannah, GA 31404 — Phone: (912) 354-7858 — Fax: (912) 352-0165
- ○ 2846 Industrial Plaza Drive, Tallahassee, FL 32301 — Phone: (850) 878-3994 — Fax: (850) 878-9504
- ○ 900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
- ○ 6712 Benjamin Rd., Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049

PROJECT REFERENCE: Saugel Area 1	PROJECT NO.: 23548	PROJECT LOCATION (STATE): IL
STL (LAB) PROJECT MANAGER: B. Beauchamp	P.O. NUMBER: Drift Bill to Solutia	CONTRACT NO.:
CLIENT (SITE) PM: Kimberly Perry	CLIENT PHONE:	CLIENT FAX:
CLIENT NAME: Solutia Inc	CLIENT EMAIL:	
CLIENT ADDRESS: St Louis, MO		
COMPANY CONTRACTING THIS WORK (if applicable):		

PAGE 1 OF 1

STANDARD REPORT DELIVERY ○ DATE DUE _____

EXPEDITED REPORT DELIVERY (SURCHARGE) ○ DATE DUE _____

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

REQUIRED ANALYSES — NUMBER OF CONTAINERS SUBMITTED

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)	VOC's (8260) HCL cool	Metals (6010) HNO_3 cool	Mercury (7470A) HNO_3 cool	Cyanide (9010B) NaOH cool	SVOC's (8270) cool	PCB's (680) cool	Pesticides (8080A) cool	Herbicides (8151A) cool			REMARKS
01-31-00	1215	UGGW-EEG108-100FT	G	X				3	1	1	1	2	2	2	2			
01-31-00	1710	Trip Blank						3										
01-31-00		Temp Blank	X	X														

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	12/9		[signature]	01-31-00	1900			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
[signature]	12/9/99	2000	Fed Ex 8187-0379-2002	01-31-00	1900			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	STL-SL LOG NO.	LABORATORY REMARKS:
			YES NO			

215A-49

CLIENTS FIELD COPY

FedEx *USA Airbill* FedEx Tracking Number 8187 037 , 2002

1 From *Please print and press hard*

Date 01-31-00 Sender's FedEx Account Number 1187-9587-3

Sender's Name Bill Wright Phone (314) 842-4550

Company O'BRIEN & GERE

Address 12250 WEBER HILL RD

Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63127

2 Your Internal Billing Reference *Fest 24 characters will appear on invoice* 23548.030.009

3 To

Recipient's Name BETSY BEAUBEAUCHAMP Phone (912) 354-7858

Company SAVANNAH LABRATORIES

Address 5102 LAROCHE AVE

To "HOLD" at FedEx location, print FedEx address

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

Dept./Floor/Suite/Room

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.

0126730793

Sender's Copy

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

6 Special Handling Include FedEx address in Section 3.

- [ ] 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	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

SRW 8100 • Rev. Date 8/99 • Part #154813 • ©1994-99 FedEx • PRINTED IN U.S.A.

PULL AND RETAIN THIS COPY BEFORE AFFIXING TO THE PACKAGE.

CLIENT CHAIN OF CUSTODY | **SAMPLER'S SIGNATURE** William E. Wright | **Project/Quote 04998/9900001069**

From (1) Solutia, Inc.
575 Maryville Center Drive
St. Louis, MO 63141

Contact: Ms. Kimberly Perry
Phone: 314-393-3721
Fax: 314-674-8957

Project (1) Sauget Area 1 Support Sampling

P.O.# (1) Direct Bill to Solutia

(SOL05 /FMS)

Data to be reported to the state of MO.

Analysis Wanted (2): Dioxin (8290)

Total Number of Containers: 3

Turn Around Time (In Calendar Days):

Sample ID (3)	Date / Time	Preservation (4)	Matrix	Sample Amt.	Dioxin (8290)					Remarks
UGGW-EEG108-100 FT	01-31-00/1215	$Na_2S_2O_3$	water	2, 1 liter	X					
Terry Blank	01-31-00/1700	cool	water							

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
William E. Wright	01-31-00 1900	FedEx 8170-9923-1613			

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 817C 423 1613

1 From Please print and press hard

Date 01-31-00 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 23548.030.009

3 To Recipient's Name FRANK STEVENS Phone (919) 544-5729

Company TRIANGLE LABORTIES

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.

0119392504

Sender's Copy

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	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

SRP 1199 • Rev. Date 11/98 • Part #1540135 • © 1994-98 FedEx • PRINTED IN U.S.A.

RETAIN THIS COPY FOR YOUR RECORDS

CLIENT CHAIN OF CUSTODY SAMPLER'S SIGNATURE [signature] Project/Quote 04998/9900001069

From (1): Solutia,Inc.
575 Maryville Center Drive
St. Louis, MO 63141
Project (1): Sauget Area 1 Support Sampling

Contact: Ms. Kimberly Perry
Phone: 314-393-3721
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): DIOXIN (8290)

Total Number of Containers: ~~2~~ 3

Turn Around Time (In Calendar Days):

Sample ID (3)	Date / Time	Preservation (4)	Matrix	Sample Amt.						Remarks
UGGW-EE20-60FT-REPLACE	3-17-00	$Na_2S_2O_3$	WATER	2, 1 LITER	X					
TEMP BLANK	3-17-00		WATER							

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
[signature]	3-17-00/1900	FED EX: 81709423 1727			

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 8170 9423 1727

Form ID No. 0215

1 From *Please print and press hard*

Date 3-17-00 Sender's FedEx Account Number 1187-9587-3

Sender's Name COLIN WELLENKAMP Phone (314) 842-4550

Company O'BRIEN & GERE

Address 12250 WEBER HILL RD ~~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

3 To

Recipient's Name FRANK STEVENS Phone (919) 544-5729

Company TRIANGLE LABORTIES

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

0119392504

4a Express Package Service *Packages up to 150 lbs.* Delivery commitments 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 commitments 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? (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	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

SAP 1190 • Rev. Date 11/98 • Part # 1546135 • © 1994-98 FedEx • PRINTED IN U.S.A.

RETAIN THIS COPY FOR YOUR RECORDS

215A-54

Section 3.17

3.17. Undeveloped Area Soil Sampling

Soil samples were collected in both undeveloped and developed areas that are susceptible to flooding and deposition of wind-blown dust. Specifically, floodplain soil sampling was conducted in an area bounded by Queeny Avenue on the north, Falling Springs Road on the east, Illinois Route 157 (Camp Jackson Road) on the south, and Illinois Route 3 (Mississippi Avenue) on the west. This is the area where water backs up at road crossings during heavy rains and where PCBs are known to occur in creek sediments. This area also includes most of the residential development in Sauget Area 1.

Information from the soil sampling program will be used to evaluate the extent of migration due to overbank flooding and wind-blown dust deposition. In addition, surface and subsurface soil information will be used in the HHRA (construction/utility worker and residential exposure scenarios). The HHRA Work Plan is in Volume 1B of the SSP. In addition to chemical analysis of the surface soils, a change order was approved for geotechnical physical analysis. (See Section 3.17.4.1 for the change order and Section 3.17.4.3 for physical analysis data results.)

Floodplain soil samples were collected at evenly spaced intervals up to 200 feet on seven transects in undeveloped areas, a total of 45 sampling stations. Based on these sampling results, 20 soil sampling stations were located in developed areas (Section 3.18). Three sampling stations were located in developed areas adjacent to Transects 1, 2, 3, 4, 5, and 6; and two sampling stations were located in developed areas adjacent to Transect 7, which is the transect at the downgradient limit of the residential area.

3.17.1. Rationale/Design

Surface Sampling – Surface (0 to 0.5 foot) soil samples were collected at evenly spaced intervals up to 200 feet on seven transects perpendicular to Dead Creek to evaluate the extent of migration via the surface water (overbank flow) and air (wind-blown dust) pathways (Figure 2). Sampling transects were placed in undeveloped areas adjacent to developed areas to allow ready access for sampling. VOC samples were collected using EnCore™ samplers per USEPA Method 5035.

Transect	Number of Sampling Stations	Number of Surface Soil Samples
1	7	7
2	6	6
3	7	7
4	7	7
5	6	6
6	5	5
7	7	7
Total	45	45

Number of Undeveloped Area Surface Soil Samples 45

Analyses:

Bulk Density	USCOE Method EM 1110-2-1906, Appendix II
Cyanide	USEPA Method 9010B
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	ASTM Method D854
SVOCs	USEPA Method 8270C
VOCs	USEPA Method 5035/8260B

Sampling locations were selected in the field with the concurrence of USEPA Region V or its designee.

Subsurface Sampling – Subsurface (three to six feet) soil samples were collected at evenly spaced intervals up to 200 feet on seven transects perpendicular to Dead Creek to evaluate the extent of migration via the surface water (overbank flow) and air (wind-blown dust) pathways (Figure 2). Subsurface soil samples were collected from three to six feet below ground surface (clarification log presented in Section 3.17.4.1). Visual observation (discoloration) and field PIC readings were recorded for the samples. Surface and subsurface soil sampling stations were co-located. VOC samples were collected using EnCore™ samplers per USEPA Method 5035.

Number of Undeveloped Area Subsurface Soil Samples 45

Analyses:

Cyanide	USEPA Method 9010B
Herbicides	USEPA Method 8151A
Mercury	USEPA Method 7471A
Metals	USEPA Method 6010B
PCBs	USEPA Method 680
Pesticides	USEPA Method 8081A
SVOCs	USEPA Method 8270C
VOCs	USEPA Method 5035/8260B

Sampling locations were selected in the field with the concurrence of USEPA Region V or its designee.

Dioxin Sampling – As directed by the USACE, 20% of the surface soil samples were analyzed for dioxin. To provide information for the HHRA (construction/utility worker exposure), USEPA Region V directed that 20% of the subsurface soil samples be analyzed for dioxin.

Number of Undeveloped Area Surface Soil Dioxin Samples	9
Number of Undeveloped Area Subsurface Soil Dioxin Samples	9

Analyses:

Dioxin	USEPA Method 8280A

Sampling locations were selected in the field with the concurrence of USEPA Region V or its designee.

3.17.2. 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.

3.17.3. Field Procedures

Prior to performing field work, a Preparatory Inspection Meeting attended by a representative of each of the interested parties was completed (Section 3.17.4.2).

Surface Sampling – Surface soil samples were discrete, representing a single location in the soil column. Discrete soil samples were collected from near-surface soils (0 to 0.5 foot deep) at each sampling station. The following procedure was used to collect a sample:

1. When necessary, penetrate the soil to the appropriate sampling depth.

2. Use a clean tool (e.g., stainless-steel spoon) to remove and discard a thin layer of soil from the area. Record the general characteristics of the soils including grain size, content, staining, and color.

3. To collect a discrete soil sample for VOC analysis, use a five-gram EnCore™ sampler. After pressing the sampler into the soil at the sampling location, cap the coring body while it is still in the EnCore™ sampler T-handle. To collect a discrete soil sample for other parameters, use a stainless-steel laboratory spoon or equivalent. Homogenize the non-VOC samples as necessary.

4. Place the homogenized sample into appropriate sample containers for the analytical method to be used and close securely.

5. Label the sample container carefully and clearly using indelible ink. Record appropriate sampling information in the field notebook.

6. Initiate the chain-of-custody form.

7. Place the capped EnCore™ sampler core bodies and other sample containers on ice in a cooler to maintain the samples at approximately 4° Celsius. Ship the cooler to the laboratory for analysis within 48 hours of sample collection.

8. Decontaminate equipment between sample locations and after use as described in Section 3.7.

Subsurface Sampling – Subsurface soil samples were collected by using hand auger techniques or direct push technology.

A stainless-steel hand auger was used to collect some of the subsurface soil samples. An appropriately sized piece of plastic sheeting was placed on the ground over the sample location, and a hole was cut in the plastic sheeting for insertion of the hand auger. The hand auger was then used to make a borehole in the soil. Soil between the surface and three feet below existing grade was set aside on the plastic sheeting. Upon reaching a depth of three feet below existing grade, collected soil was placed into a precleaned stainless-steel bowl. After collection of soil in the hand auger and before placement into the bowl, EnCore™ samplers were used to collect a VOC sample from the approximate three-foot depth, directly from the hand auger. The borehole was advanced to approximately six feet below existing grade. The soil from three to six feet below existing grade was collected in the bowl, homogenized, and used to fill the remaining sample containers.

Direct push technology was also used to collect some of the subsurface soil samples. A MacroCore™ sampler with a stainless-steel liner was used to collect push samples from three to six feet below grade. A VOC sample was collected from the top portion of the sample using five-gram EnCore™ samplers. The remaining portion was homogenized in a stainless-steel bowl and used to fill the remaining sample containers.

Filled, labeled, and capped EnCore™ sampler core bodies and sample containers were placed on ice in a cooler. Chain-of-custody procedures were followed. The borehole was filled with bentonite. The surface (top two feet) was restored appropriately. Boring-generated soils were returned to the borehole prior to filling it. General waste was contained in plastic bags and disposed in a general refuse container. A PID was used to monitor these activities.

3.17.4. Documentation

The change order for geotechnical physical analysis and the clarification log for the subsurface sample depth are included in Section 3.17.4.1. Field logs generated are included in Record Book Nos. 3, 4, and 5 (Appendix D). Figure 2 depicts undeveloped area soil sample locations. The Thompson Engineering reports for soil physical analysis are included in Section 3.17.4.3. Chain-of-custody forms are included in Section 3.17.4.4.

Documentation for this task continues on the next page.

3.17.4.1. Change Orders and Deviation/Clarification Log

cc Vane
Bradley
Beauchamp
→ Cork Pil
Weston Pil

2

PROJECT CHANGE ORDER

BP' ' & GERE ENGINEERS, INC.
C T NAME: Solutia Sauget Area 1

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

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

ANGE ORDER ITEMIZED DESCRIPTION

nis 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 45 Moisture Content Samples by Thompson
Soil Sampling 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 20 Moisture Content Samples by Thompson
Soil Sampling 20 Specific Gravity Samples by Thompson
20 Soil pH samples by Savannah

ection 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

te

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

ost 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 REVERS

)UTS\DIVISION\ADMIN\1999\PCORQUST.WPD

CLARIFICATION LOG

VIDUAL REQUESTING CLARIFICATION / COMPANY: Alan Cook / O'Brien & Gere DATE 11/10/99

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

PROJECT NAME Solutia Sugar Creek PROJECT LOCATION Undeveloped Area Soil Transects

WEATHER Clear PRECIPITATION None TEMPERATURE 70°F

NUMBER OF HOURS WORKED ____ NUMBER OF EMPLOYEES ____

1. CONTRACT ITEM BEING WORKED ON:
2. ITEM BEING CLARIFIED (REF. APPROP. SEC. OF FSP/HASP):
3. REASON FOR CLARIFICATION:
4. CLARIFICATION 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 Undeveloped Area Soil Transects Surface & Subsurface Soil Sampling

② FSP Section 5.17.2 vs 5.17.5

③ FSP Section 5.17.2 states subsurface interval being sampled is 0.5 to 6 FT
FSP Section 5.17.5 states subsurface interval being sampled is 3 to 6 FT

④ Section 5.17.5 will be implemented w/ VOC Encores will be collected @ the 3 ft interval w/ PID readings being taken on each additional interval until 6 ft reached

⑤ No New Equipment Required

⑥ None

⑦ None

Given to Weston @ 1630 on 11/10/99

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

Kimberly Perry / [signature] 11/10/99
PRINTED NAME / SIGNATURE OF SOLUTIA REP / DATE

11/10/99
DATE

PRINTED NAME / SIGNATURE OF USEPA REP I DATE

IF ADDITIONAL SPACE IS REQUIRED,

3.17.4.2. Preparatory Inspection Meeting Form

PREPARATORY INSPECTION MEETING

Conducted by/Company: Alan Cork / O'Brien & Gere **Date:** 11/9/99
Project Name: Soluti Inc Sauget Area 1 **Task:** Undeveloped Area Surface & Subs. Sampling - Section 5.17 FSP

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: (0.5FT)

1. Completion of surface & subsurface (3-6' BG) soil sampling along Seven (7) soil transects running from Dead creek to Rt 3 or Dead Creek to Falling Springs Road. Collect Dioxin Samples @ a 20% frequency in Surface & Subsurface soils
2. Stainless Steel bowl & spoons, Soil hand auger, sample containers Possibly use Geoprobe if hand augering impractical
3. FSP Section 5.17 HASP Section 2.8 - Mod Level D
4. Collection of @ Depth samples w/ hand auger prohibitive may consider use of Geoprobe Rig for these.
5. Note Burned Area along Transect #2, Make sure we can sample points in area w/o getting any burned vegetation in sample. Subsurface Soil Samples w/ be composites from the 3' to 6' interval.
6. Clarify disconnect w/ section 5.17.2 & 5.17.5. See Clarification Log for 11/10/99

ATTENDANCE:

EMPLOYEE NAME (print)	EMPLOYEE SIGNATURE	COMPANY
Kimberly Perry	[signature]	Solutia
Ken LAFFERTY	[signature]	MAVERICK
Colin WELLENKAMP	[signature]	OBG
David Haverdink	[signature]	OBG
Erik Kemper	[signature]	RF Weston
Nick Jenkins	[signature]	OBG

Gwen to Weston @ 1830 on 11/10/99

IF ADDITONAL SPACE IS REQUIRED, RECORD ON REVERSE SIDE

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

11/10/99
DATE

3.17.4.3. Thompson Engineering Report

Thompson Engineering

LETTER OF TRANSMITTAL

To: O'Brien & Gere Engineers, Inc.	Date: 01/04/00	Job No. 1999-00-0774
5000 Cedar Plaza Pkwy. Suite 211	Re: Solutia Sauget Area 1 Project	
St. Louis, MO 63128		
Attention: Alan Cork		

RECEIVED
JAN 12 2000
O'BRIEN & GERE ENGINEERS, INC.

We Are Sending You X Attached ___ Under Separate cover via fax

COPIES	DATE	NO.	DESCRIPTION
1	01/04/00	3	Specific Gravity and Absorption of Coarse Aggregate (ASTM C 127-88)
1	01/04/00	36	Specific Gravity of Soils (ASTM D 854)
1	01/04/00	36	Laboratory Determination of Unit Weights, Void Ratio, Porosity and Degree of Saturation USCOE EM 1110-2-1906 Appendix II (Volumetric Method)
1	11/23/99	5	Chain of Custody

These are Transmitted as checked below

___ For approval ___ For your use X As requested ___ For review and comment

Remarks Thompson Engineering Testing, Inc. appreciates the opportunity to be of service to O'Brien & Gere Engineers, Inc. If there are any questions regarding this submittal, please feel free to call.

M. Helen Adams-Morales, P. E.
Vice President of Engineering
Alabama Registration No. 16215

Dale Nobles
Materials Laboratory Manager

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

Thompson Engineering

LETTER OF TRANSMITTAL

To: O'Brien & Gere Engineers, Inc.	Date: 01/04/00	Job No. 1999-00-0774
5000 Cedar Plaza Pkwy. Suite 211	Re: Solutia Sauget Area 1 Project	
St. Louis, MO 63128		
Attention: Alan Cork		

RECEIVED
JAN 12 2000
O'BRIEN & GERE ENGINEERS, INC

We Are Sending You X Attached _ Under Separate cover via fax _ the following items

COPIES	DATE	NO.	DESCRIPTION
1	01/04/00	3	Specific Gravity and Absorption of Coarse Aggregate (ASTM C 127-88)
1	01/04/00	9	Specific Gravity of Soils (ASTM D 854)
1	01/04/00	9	Laboratory Determination of Unit Weights, Void Ratio, Porosity and Degree of Saturation USCOE EM 1110-2-1906 Appendix II (Volumetric Method)
1	11/29/99	5	Chain of Custody

These are Transmitted as checked below

__ For approval __ For your use X As requested __ For review and comment

Remarks Thompson Engineering Testing, Inc. appreciates the opportunity to be of service to O'Brien & Gere Engineers, Inc. If there are any questions regarding this submittal, please feel free to call.

M. Helen Adams-Morales, P. E.
Vice President of Engineering
Alabama Registration No. 16215

Dale Nobles
Materials Laboratory Manager

227A-2

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 DECEMBER 21, 1999
LAB #: 3304

CLIENT: O'BRIEN AND GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : UAS-T1-S1-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 11/10/99	SAMPLED: CLIENT
TESTED: 12/02/99	TESTED: C. CRAIG

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

(A) WEIGHT OF PYCNOMETER (g):	168.69
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	235.99
(C) WEIGHT OF SAMPLE (g):	67.30
(D) WEIGHT OF PYCNOMETER AND WATER (g):	667.09
(E) TEMP. OF PYCNOMETER AND WATER (C):	20.9
(F) DENSITY OF WATER @ T1(g/ml):	0.998043
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	708.58
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	20.9
(I) DENSITY OF WATER @ T2 (g/ml):	0.998043

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

(Gs @ T1)= C/((C+(D-G)):	2.608
CORRECTION FACTOR (K):	0.999809
(Gs @ 20 C =(Gs @ T1)*K:)	2.607

SPECIFIC GRAVITY: 2.607

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

DECEMBER 30, 1999

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 3367

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

SAMPLE IDENTIFICATION: UAS-T1-S1-0.5FT.

DATES	TECHNICIAN
SAMPLED: 11/10/99	SAMPLED: CLIENT
TESTED: 12/02/99	TESTED: D.ALEXANDER

.... 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):	1754.3
(f): MASS OF DRY SPECIMEN (g):	1402.7
(g): MASS OF CONTAINER (g):	31.21
(h): MASS OF CONTAINER & WET SPECIMEN (g):	241.49
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	199.34
(j): MASS OF WATER (g):	42.15
(k): MASS OF DRY SPECIMEN (g):	168.13
(l): WATER CONTENT (%):	**25.07**
(m): WET DENSITY (PCF):	**115.97**
(n): DRY DENSITY (PCF):	**92.72**
(o): SPECIFIC GRAVITY (Gavg):	2.607
(p): VOLUME OF SOLIDS (cc):	538.03
(q): VOID RATIO:	**0.75**
(r): DEGREE OF SATURATION (%):	86.63
(s): POROSITY (%):	**43.00**

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.

THOMPSON ENGINEERING TESTING, INC.

227A-4

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 DECEMBER 21, 1999
LAB #: 3303

CLIENT: O'BRIEN AND GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : UAS-T1-S2-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 11/10/99	SAMPLED: CLIENT
TESTED: 12/02/99	TESTED: C. CRAIG

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

(A) WEIGHT OF PYCNOMETER (g):	172.42
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	237.11
(C) WEIGHT OF SAMPLE (g):	64.69
(D) WEIGHT OF PYCNOMETER AND WATER (g):	669.87
E) TEMP. OF PYCNOMETER AND WATER (C):	21.2
(F) DENSITY OF WATER @ T1(g/ml):	0.997978
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	710.61
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	21.2
(I) DENSITY OF WATER @ T2 (g/ml):	0.997978

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

(Gs @ T1)= C/((C+(D-G)):	2.701
CORRECTION FACTOR (K):	0.999744
(Gs @ 20 C =(Gs @ T1)*K:)	2.700

SPECIFIC GRAVITY: 2.700

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

DECEMBER 30, 1999

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 3366

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

SAMPLE IDENTIFICATION: UAS-T1-S2-0.5FT.

DATES	TECHNICIAN
SAMPLED: 11/10/99	SAMPLED: CLIENT
TESTED: 12/02/99	TESTED: D.ALEXANDER

.... 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):	1777.8
(f): MASS OF DRY SPECIMEN (g):	1435.4
(g): MASS OF CONTAINER (g):	32.11
(h): MASS OF CONTAINER & WET SPECIMEN (g):	233.59
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	194.79
(j): MASS OF WATER (g):	38.80
(k): MASS OF DRY SPECIMEN (g):	162.68
(l): WATER CONTENT (%):	**23.85**
(m): WET DENSITY (PCF):	**117.52**
(n): DRY DENSITY (PCF):	**94.89**
(o): SPECIFIC GRAVITY (Gavg):	2.700
(p): VOLUME OF SOLIDS (cc):	531.64
(q): VOID RATIO:	**0.78**
(r): DEGREE OF SATURATION (%):	83.03
(s): POROSITY (%):	**43.68**

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.

THOMPSON ENGINEERING TESTING, INC.

227A-6

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 DECEMBER 21, 1999
LAB #: 3327

CLIENT: O'BRIEN AND GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : UAS-T1-S3-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 11/12/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: C. CRAIG

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

(A) WEIGHT OF PYCNOMETER (g):	156.94
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	207.85
(C) WEIGHT OF SAMPLE (g):	50.91
(D) WEIGHT OF PYCNOMETER AND WATER (g):	660.19
(E) TEMP. OF PYCNOMETER AND WATER (C):	19.8
(F) DENSITY OF WATER @ T1(g/ml):	0.998273
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	690.90
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	19.8
(I) DENSITY OF WATER @ T2 (g/ml):	0.998273

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

(Gs @ T1)= C/((C+(D-G)):	2.520
CORRECTION FACTOR (K):	1.000039
(Gs @ 20 C =(Gs @ T1)*K:)	2.520

SPECIFIC GRAVITY: 2.520

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

DECEMBER 30, 1999

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 3396

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

SAMPLE IDENTIFICATION: UAS-T1-S3-0.5FT.

DATES	TECHNICIAN
SAMPLED: 11/12/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: E. HAGLER

.... 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):	1755.3
(f): MASS OF DRY SPECIMEN (g):	1435.6
(g): MASS OF CONTAINER (g):	32.23
(h): MASS OF CONTAINER & WET SPECIMEN (g):	167.52
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	142.88
(j): MASS OF WATER (g):	24.64
(k): MASS OF DRY SPECIMEN (g):	110.65
(l): WATER CONTENT (%):	**22.27**
(m): WET DENSITY (PCF):	**116.03**
(n): DRY DENSITY (PCF):	**94.90**
(o): SPECIFIC GRAVITY (Gavg):	2.520
(p): VOLUME OF SOLIDS (cc):	569.69
(q): VOID RATIO:	**0.66**
(r): DEGREE OF SATURATION (%):	85.41
(s): POROSITY (%):	**39.65**

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.

THOMPSON ENGINEERING TESTING, INC.

227A-8

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 DECEMBER 21, 1999
LAB #: 3306

CLIENT: O'BRIEN AND GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : UAS-T1-S4-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 11/10/99	SAMPLED: CLIENT
TESTED: 12/02/99	TESTED: C. CRAIG

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

(A) WEIGHT OF PYCNOMETER (g):	171.91
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	213.84
(C) WEIGHT OF SAMPLE (g):	41.93
(D) WEIGHT OF PYCNOMETER AND WATER (g):	670.63
(E) TEMP. OF PYCNOMETER AND WATER (C):	20.7
(F) DENSITY OF WATER @ T1(g/ml):	0.998086
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	696.51
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	20.7
(I) DENSITY OF WATER @ T2 (g/ml):	0.998086

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

(Gs @ T1)= C/((C+(D-G)):	2.612
CORRECTION FACTOR (K):	0.999852
(Gs @ 20 C =(Gs @ T1)*K:)	2.612

SPECIFIC GRAVITY: 2.612

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

DECEMBER 30, 1999

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 3369

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

SAMPLE IDENTIFICATION: UAS-T1-S4-0.5FT.

DATES	TECHNICIAN
SAMPLED: 11/10/99	SAMPLED: CLIENT
TESTED: 12/02/99	TESTED: D.ALEXANDER

.... 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):	1773.1
(f): MASS OF DRY SPECIMEN (g):	1479.9
(g): MASS OF CONTAINER (g):	32.51
(h): MASS OF CONTAINER & WET SPECIMEN (g):	205.03
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	176.50
(j): MASS OF WATER (g):	28.53
(k): MASS OF DRY SPECIMEN (g):	143.99
(l): WATER CONTENT (%):	**19.81**
(m): WET DENSITY (PCF):	**117.21**
(n): DRY DENSITY (PCF):	**97.83**
(o): SPECIFIC GRAVITY (Gavg):	2.612
(p): VOLUME OF SOLIDS (cc):	566.57
(q): VOID RATIO:	**0.67**
(r): DEGREE OF SATURATION (%):	77.70
(s): POROSITY (%):	**39.98**

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.

THOMPSON ENGINEERING TESTING, INC.

227A-10

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 DECEMBER 21, 1999
LAB #: 3307

CLIENT: O'BRIEN AND GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : UAS-T1-S5-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 11/10/99	SAMPLED: CLIENT
TESTED: 12/02/99	TESTED: C. CRAIG

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

(A) WEIGHT OF PYCNOMETER (g):	173.51
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	224.38
(C) WEIGHT OF SAMPLE (g):	50.87
(D) WEIGHT OF PYCNOMETER AND WATER (g):	672.15
(E) TEMP. OF PYCNOMETER AND WATER (C):	20.8
(F) DENSITY OF WATER @ T1(g/ml):	0.998043
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	703.35
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	20.9
(I) DENSITY OF WATER @ T2 (g/ml):	0.998043

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

(Gs @ T1)= C/((C+(D-G)):	2.586
CORRECTION FACTOR (K):	0.999809
(Gs @ 20 C =(Gs @ T1)*K:)	2.586

SPECIFIC GRAVITY: 2.586

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

DECEMBER 30, 1999

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 3370

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

SAMPLE IDENTIFICATION: UAS-T1-S5-0.5FT.

DATES	TECHNICIAN
SAMPLED: 11/10/99	SAMPLED: CLIENT
TESTED: 12/02/99	TESTED: D.ALEXANDER

.... 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):	1481.4
(f): MASS OF DRY SPECIMEN (g):	1288.5
(g): MASS OF CONTAINER (g):	32.34
(h): MASS OF CONTAINER & WET SPECIMEN (g):	174.28
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	155.80
(j): MASS OF WATER (g):	18.48
(k): MASS OF DRY SPECIMEN (g):	123.46
(l): WATER CONTENT (%):	**14.97**
(m): WET DENSITY (PCF):	**97.93**
(n): DRY DENSITY (PCF):	**85.18**
(o): SPECIFIC GRAVITY (Gavg):	2.586
(p): VOLUME OF SOLIDS (cc):	498.27
(q): VOID RATIO:	**0.89**
(r): DEGREE OF SATURATION (%):	43.27
(s): POROSITY (%):	**47.22**

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.

THOMPSON ENGINEERING TESTING, INC.

227A-12

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 DECEMBER 21, 1999
LAB #: 3305

CLIENT: O'BRIEN AND GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : UAS-T1-S6-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 11/10/99	SAMPLED: CLIENT
TESTED: 12/02/99	TESTED: C. CRAIG

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

(A) WEIGHT OF PYCNOMETER (g):	178.50
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	266.71
(C) WEIGHT OF SAMPLE (g):	88.21
(D) WEIGHT OF PYCNOMETER AND WATER (g):	677.13
(E) TEMP. OF PYCNOMETER AND WATER (C):	21.4
(F) DENSITY OF WATER @ T1(g/ml):	0.997934
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	731.72
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	21.4
(I) DENSITY OF WATER @ T2 (g/ml):	0.997934

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

(Gs @ T1)= C/((C+(D-G)):	2.624
CORRECTION FACTOR (K):	0.999699
(Gs @ 20 C =(Gs @ T1)*K:)	2.623

SPECIFIC GRAVITY: 2.623

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

DECEMBER 30, 1999

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 3368

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

SAMPLE IDENTIFICATION: UAS-T1-S6-0.5FT.

DATES	TECHNICIAN
SAMPLED: 11/10/99	SAMPLED: CLIENT
TESTED: 12/02/99	TESTED: D.ALEXANDER

.... 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):	1579.9
(f): MASS OF DRY SPECIMEN (g):	1438.9
(g): MASS OF CONTAINER (g):	31.68
(h): MASS OF CONTAINER & WET SPECIMEN (g):	195.02
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	180.44
(j): MASS OF WATER (g):	14.58
(k): MASS OF DRY SPECIMEN (g):	148.76
(l): WATER CONTENT (%):	**9.80**
(m): WET DENSITY (PCF):	**104.44**
(n): DRY DENSITY (PCF):	**95.12**
(o): SPECIFIC GRAVITY (Gavg):	2.623
(p): VOLUME OF SOLIDS (cc):	548.56
(q): VOID RATIO:	**0.72**
(r): DEGREE OF SATURATION (%):	35.67
(s): POROSITY (%):	**41.89**

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.

THOMPSON ENGINEERING TESTING, INC.

227A-14

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 DECEMBER 21, 1999
LAB #: 3326

CLIENT: O'BRIEN AND GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : UAS-T1-S7-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 11/12/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: C. CRAIG

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

(A) WEIGHT OF PYCNOMETER (g):	166.02
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	229.07
(C) WEIGHT OF SAMPLE (g):	63.05
(D) WEIGHT OF PYCNOMETER AND WATER (g):	664.86
(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):	703.14
(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)):	2.545
CORRECTION FACTOR (K):	1.000020
(Gs @ 20 C =(Gs @ T1)*K:)	2.545

SPECIFIC GRAVITY: 2.545

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

DECEMBER 30, 1999

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 3395

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

SAMPLE IDENTIFICATION: UAS-T1-S7-0.5FT.

DATES	TECHNICIAN
SAMPLED: 11/12/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: E. HAGLER

.... 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):	1500.0
(f): MASS OF DRY SPECIMEN (g):	1383.5
(g): MASS OF CONTAINER (g):	32.23
(h): MASS OF CONTAINER & WET SPECIMEN (g):	163.84
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	153.62
(j): MASS OF WATER (g):	10.22
(k): MASS OF DRY SPECIMEN (g):	121.39
(l): WATER CONTENT (%):	**8.42**
(m): WET DENSITY (PCF):	**99.16**
(n): DRY DENSITY (PCF):	**91.46**
(o): SPECIFIC GRAVITY (Gavg):	2.545
(p): VOLUME OF SOLIDS (cc):	543.62
(q): VOID RATIO:	**0.74**
(r): DEGREE OF SATURATION (%):	29.10
(s): POROSITY (%):	**42.41**

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.

THOMPSON ENGINEERING TESTING, INC.

227A-16

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 DECEMBER 21, 1999
LAB #: 3316

CLIENT: O'BRIEN AND GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : UAS-T2-S1-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 11/17/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: C. CRAIG

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

(A) WEIGHT OF PYCNOMETER (g):	178.51
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	261.60
(C) WEIGHT OF SAMPLE (g):	83.09
(D) WEIGHT OF PYCNOMETER AND WATER (g):	677.08
(E) TEMP. OF PYCNOMETER AND WATER (C):	20.8
(F) DENSITY OF WATER @ T1(g/ml):	0.998064
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	728.10
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	20.8
(I) DENSITY OF WATER @ T2 (g/ml):	0.998064

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

(Gs @ T1)= C/((C+(D-G)):	2.591
CORRECTION FACTOR (K):	0.999830
(Gs @ 20 C =(Gs @ T1)*K:)	2.590

SPECIFIC GRAVITY: 2.590

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

DECEMBER 30, 1999

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 3355

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

SAMPLE IDENTIFICATION: UAS-T2-S1-0.5FT.

DATES	TECHNICIAN
SAMPLED: 11/12/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: E. HAGLER

.... 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):	1471.4
(f): MASS OF DRY SPECIMEN (g):	1330.9
(g): MASS OF CONTAINER (g):	32.12
(h): MASS OF CONTAINER & WET SPECIMEN (g):	177.23
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	163.37
(j): MASS OF WATER (g):	13.86
(k): MASS OF DRY SPECIMEN (g):	131.25
(l): WATER CONTENT (%):	**10.56**
(m): WET DENSITY (PCF):	**97.27**
(n): DRY DENSITY (PCF):	**87.98**
(o): SPECIFIC GRAVITY (Gavg):	2.590
(p): VOLUME OF SOLIDS (cc):	513.85
(q): VOID RATIO:	**0.84**
(r): DEGREE OF SATURATION (%):	32.67
(s): POROSITY (%):	**45.57**

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.

THOMPSON ENGINEERING TESTING, INC.

227A-18

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 DECEMBER 21, 1999
LAB #: 3324

CLIENT: O'BRIEN AND GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : UAS-T2-S2-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 11/12/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: C. CRAIG

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

(A) WEIGHT OF PYCNOMETER (g):	166.35
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	226.72
(C) WEIGHT OF SAMPLE (g):	60.37
(D) WEIGHT OF PYCNOMETER AND WATER (g):	665.27
(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):	701.59
(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)):	2.510
CORRECTION FACTOR (K):	1.000059
(Gs @ 20 C =(Gs @ T1)*K:)	2.510

SPECIFIC GRAVITY: 2.510

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

DECEMBER 30, 1999

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

JOB #: 1999.00.0774
LAB #: 3392

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

SAMPLE IDENTIFICATION: UAS-T2-S2-0.5FT.

DATES	TECHNICIAN
SAMPLED: 11/12/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: E. HAGLER

.... 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):	1859.4
(f): MASS OF DRY SPECIMEN (g):	1567.5
(g): MASS OF CONTAINER (g):	32.19
(h): MASS OF CONTAINER & WET SPECIMEN (g):	194.70
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	169.19
(j): MASS OF WATER (g):	25.51
(k): MASS OF DRY SPECIMEN (g):	137.00
(l): WATER CONTENT (%):	**18.62**
(m): WET DENSITY (PCF):	**122.91**
(n): DRY DENSITY (PCF):	**103.62**
(o): SPECIFIC GRAVITY (Gavg):	2.510
(p): VOLUME OF SOLIDS (cc):	624.51
(q): VOID RATIO:	**0.51**
(r): DEGREE OF SATURATION (%):	91.37
(s): POROSITY (%):	**33.84**

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.

THOMPSON ENGINEERING TESTING, INC.

227A-20

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 DECEMBER 21, 1999
LAB #: 3325

CLIENT: O'BRIEN AND GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : UAS-T2-S3-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 11/12/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: C. CRAIG

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

(A) WEIGHT OF PYCNOMETER (g):	173.49	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	232.61	
(C) WEIGHT OF SAMPLE (g):	59.12	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	672.20	
(E) TEMP. OF PYCNOMETER AND WATER (C):	20.2	
(F) DENSITY OF WATER @ T1(g/ml):	0.998192	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	707.46	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	20.2	
(I) DENSITY OF WATER @ T2 (g/ml):	0.998192	

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

(Gs @ T1)= C/((C+(D-G)):	2.478	
CORRECTION FACTOR (K):	0.999958	
(Gs @ 20 C =(Gs @ T1)*K:)	2.478	

SPECIFIC GRAVITY: 2.478

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

DECEMBER 30, 1999

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 3394

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

SAMPLE IDENTIFICATION: UAS-T2-S3-0.5FT.

DATES	TECHNICIAN
SAMPLED: 11/12/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: E. HAGLER

.... 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):	1423.2
(f): MASS OF DRY SPECIMEN (g):	1230.7
(g): MASS OF CONTAINER (g):	32.40
(h): MASS OF CONTAINER & WET SPECIMEN (g):	168.28
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	149.90
(j): MASS OF WATER (g):	18.38
(k): MASS OF DRY SPECIMEN (g):	117.50
(l): WATER CONTENT (%):	**15.64**
(m): WET DENSITY (PCF):	**94.08**
(n): DRY DENSITY (PCF):	**81.35**
(o): SPECIFIC GRAVITY (Gavg):	2.478
(p): VOLUME OF SOLIDS (cc):	496.65
(q): VOID RATIO:	**0.90**
(r): DEGREE OF SATURATION (%):	43.04
(s): POROSITY (%):	**47.39**

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.

THOMPSON ENGINEERING TESTING, INC.

227A-22

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 DECEMBER 21, 1999
LAB #: 3308

CLIENT: O'BRIEN AND GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : UAS-T2-S4-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 11/12/99	SAMPLED: CLIENT
TESTED: 12/02/99	TESTED: C. CRAIG

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

(A) WEIGHT OF PYCNOMETER (g):	169.92
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	225.28
(C) WEIGHT OF SAMPLE (g):	55.36
(D) WEIGHT OF PYCNOMETER AND WATER (g):	668.50
E) TEMP. OF PYCNOMETER AND WATER (C):	21.0
(F) DENSITY OF WATER @ T1(g/ml):	0.998022
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	702.45
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	21.0
(I) DENSITY OF WATER @ T2 (g/ml):	0.998022

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

(Gs @ T1)= C/((C+(D-G)):	2.586
CORRECTION FACTOR (K):	0.999788
(Gs @ 20 C =(Gs @ T1)*K:)	2.585

SPECIFIC GRAVITY: 2.585

MATERIALS ENGINEERING LABORATORY

227A-23

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

Thompson Engineering

DECEMBER 30, 1999

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 3371

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

SAMPLE IDENTIFICATION: UAS-T2-S4-0.5FT.

DATES	TECHNICIAN
SAMPLED: 11/12/99	SAMPLED: CLIENT
TESTED: 12/02/99	TESTED: D.ALEXANDER

.... 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):	1514.5
(f): MASS OF DRY SPECIMEN (g):	1278.8
(g): MASS OF CONTAINER (g):	32.32
(h): MASS OF CONTAINER & WET SPECIMEN (g):	168.44
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	147.26
(j): MASS OF WATER (g):	21.18
(k): MASS OF DRY SPECIMEN (g):	114.94
(l): WATER CONTENT (%):	**18.43**
(m): WET DENSITY (PCF):	**100.11**
(n): DRY DENSITY (PCF):	**84.54**
(o): SPECIFIC GRAVITY (Gavg):	2.585
(p): VOLUME OF SOLIDS (cc):	494.72
(q): VOID RATIO:	**0.91**
(r): DEGREE OF SATURATION (%):	52.46
(s): POROSITY (%):	**47.59**

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.

THOMPSON ENGINEERING TESTING, INC.

227A-24

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 DECEMBER 21, 1999
LAB #: 3328

CLIENT: O'BRIEN AND GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : UAS-T2-S5-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 11/12/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: C. CRAIG

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

(A) WEIGHT OF PYCNOMETER (g):	178.51
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	256.07
(C) WEIGHT OF SAMPLE (g):	77.56
(D) WEIGHT OF PYCNOMETER AND WATER (g):	677.15
(E) TEMP. OF PYCNOMETER AND WATER (C):	20.1
(F) DENSITY OF WATER @ T1(g/ml):	0.998213
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	723.37
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	20.1
(I) DENSITY OF WATER @ T2 (g/ml):	0.998213

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

(Gs @ T1)= C/((C+(D-G)):	2.475
CORRECTION FACTOR (K):	0.999979
(Gs @ 20 C =(Gs @ T1)*K:)	2.475

SPECIFIC GRAVITY: 2.475

MATERIALS ENGINEERING LABORATORY

227A-25

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

Thompson Engineering

DECEMBER 30, 1999

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 3393

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

SAMPLE IDENTIFICATION: UAS-T2-S5-0.5FT.

DATES	TECHNICIAN
SAMPLED: 11/12/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: E. HAGLER

.... 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):	1753.0
(f): MASS OF DRY SPECIMEN (g):	1530.3
(g): MASS OF CONTAINER (g):	32.51
(h): MASS OF CONTAINER & WET SPECIMEN (g):	182.23
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	163.21
(j): MASS OF WATER (g):	19.02
(k): MASS OF DRY SPECIMEN (g):	130.70
(l): WATER CONTENT (%):	**14.55**
(m): WET DENSITY (PCF):	**115.88**
(n): DRY DENSITY (PCF):	**101.16**
(o): SPECIFIC GRAVITY (Gavg):	2.475
(p): VOLUME OF SOLIDS (cc):	618.30
(q): VOID RATIO:	**0.53**
(r): DEGREE OF SATURATION (%):	68.38
(s): POROSITY (%):	**34.50**

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.

THOMPSON ENGINEERING TESTING, INC.

227A-26

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 DECEMBER 21, 1999
LAB #: 3322

CLIENT: O'BRIEN AND GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : UAS-T2-S6-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 11/12/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: C. CRAIG

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

(A) WEIGHT OF PYCNOMETER (g):	166.35
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	235.26
(C) WEIGHT OF SAMPLE (g):	68.91
(D) WEIGHT OF PYCNOMETER AND WATER (g):	665.17
(E) TEMP. OF PYCNOMETER AND WATER (C):	21.1
(F) DENSITY OF WATER @ T1(g/ml):	0.998000
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	706.66
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	21.1
(I) DENSITY OF WATER @ T2 (g/ml):	0.998000

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

(Gs @ T1)= C/((C+(D-G)):	2.513
CORRECTION FACTOR (K):	0.999766
(Gs @ 20 C =(Gs @ T1)*K:)	2.513

SPECIFIC GRAVITY:	2.513

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

DECEMBER 30, 1999

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 3388

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

SAMPLE IDENTIFICATION: UAS-T2-S6-0.5FT.

DATES	TECHNICIAN
SAMPLED: 11/12/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: E. HAGLER

.... 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):	1709.6
(f): MASS OF DRY SPECIMEN (g):	1456.3
(g): MASS OF CONTAINER (g):	32.18
(h): MASS OF CONTAINER & WET SPECIMEN (g):	177.45
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	155.93
(j): MASS OF WATER (g):	21.52
(k): MASS OF DRY SPECIMEN (g):	123.75
(l): WATER CONTENT (%):	**17.39**
(m): WET DENSITY (PCF):	**113.01**
(n): DRY DENSITY (PCF):	**96.27**
(o): SPECIFIC GRAVITY (Gavg):	2.513
(p): VOLUME OF SOLIDS (cc):	579.52
(q): VOID RATIO:	**0.63**
(r): DEGREE OF SATURATION (%):	69.49
(s): POROSITY (%):	**38.61**

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.

THOMPSON ENGINEERING TESTING, INC.

227A-28

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 DECEMBER 20, 1999
LAB #: 3285

CLIENT: O'BRIEN AND GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : UAS-T3-S1-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 11/15/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: E. HAGLER

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

(A) WEIGHT OF PYCNOMETER (g):	179.21	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	254.83	
(C) WEIGHT OF SAMPLE (g):	75.62	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	677.80	
(E) TEMP. OF PYCNOMETER AND WATER (C):	21.2	
(F) DENSITY OF WATER @ T1(g/ml):	0.997978	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	724.25	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	21.2	
(I) DENSITY OF WATER @ T2 (g/ml):	0.997978	

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

(Gs @ T1)= C/((C+(D-G)):	2.592	
CORRECTION FACTOR (K):	0.999744	
(Gs @ 20 C =(Gs @ T1)*K:)	2.592	

SPECIFIC GRAVITY: 2.592

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

DECEMBER 30, 1999

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

JOB #: 1999.00.0774
LAB #: 3365

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

SAMPLE IDENTIFICATION: UAS-T3-S1-0.5FT.

DATES	TECHNICIAN
SAMPLED: 11/15/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: E. HAGLER

.... 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):	1794.9
(f): MASS OF DRY SPECIMEN (g):	1473.5
(g): MASS OF CONTAINER (g):	31.56
(h): MASS OF CONTAINER & WET SPECIMEN (g):	172.51
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	147.27
(j): MASS OF WATER (g):	25.24
(k): MASS OF DRY SPECIMEN (g):	115.71
(l): WATER CONTENT (%):	**21.81**
(m): WET DENSITY (PCF):	**118.65**
(n): DRY DENSITY (PCF):	**97.40**
(o): SPECIFIC GRAVITY (Gavg):	2.592
(p): VOLUME OF SOLIDS (cc):	568.47
(q): VOID RATIO:	**0.66**
(r): DEGREE OF SATURATION (%):	85.60
(s): POROSITY (%):	**39.78**

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.

THOMPSON ENGINEERING TESTING, INC.

227A-30

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 DECEMBER 21, 1999
LAB #: 3331

CLIENT: O'BRIEN AND GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : UAS-T3-S2-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 11/15/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: C. CRAIG

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

(A) WEIGHT OF PYCNOMETER (g):	174.51	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	263.80	
(C) WEIGHT OF SAMPLE (g):	89.29	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	673.27	
(E) TEMP. OF PYCNOMETER AND WATER (C):	20.9	
(F) DENSITY OF WATER @ T1(g/ml):	0.998043	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	727.84	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	20.9	
(I) DENSITY OF WATER @ T2 (g/ml):	0.998043	

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

(Gs @ T1)= C/((C+(D-G)):	2.572	
CORRECTION FACTOR (K):	0.999809	
(Gs @ 20 C =(Gs @ T1)*K:)	2.571	

SPECIFIC GRAVITY: 2.571

MATERIALS ENGINEERING LABORATORY

227A-31

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

Thompson Engineering

DECEMBER 30, 1999

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 3384

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

SAMPLE IDENTIFICATION: UAS-T3-S2-0.5FT.

DATES	TECHNICIAN
SAMPLED: 11/15/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: D.ALEXANDER

.... 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):	1422.0
(f): MASS OF DRY SPECIMEN (g):	1240.0
(g): MASS OF CONTAINER (g):	31.53
(h): MASS OF CONTAINER & WET SPECIMEN (g):	197.92
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	176.62
(j): MASS OF WATER (g):	21.30
(k): MASS OF DRY SPECIMEN (g):	145.09
(l): WATER CONTENT (%):	**14.68**
(m): WET DENSITY (PCF):	**94.00**
(n): DRY DENSITY (PCF):	**81.97**
(o): SPECIFIC GRAVITY (Gavg):	2.571
(p): VOLUME OF SOLIDS (cc):	482.29
(q): VOID RATIO:	**0.96**
(r): DEGREE OF SATURATION (%):	39.43
(s): POROSITY (%):	**48.91**

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.

THOMPSON ENGINEERING TESTING, INC.

227A-32

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 DECEMBER 20, 1999
LAB #: 3283

CLIENT: O'BRIEN AND GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : UAS-T3-S3-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 11/15/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: E. HAGLER

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

(A) WEIGHT OF PYCNOMETER (g):	171.91	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	228.82	
(C) WEIGHT OF SAMPLE (g):	56.91	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	670.64	
(E) TEMP. OF PYCNOMETER AND WATER (C):	20.6	
(F) DENSITY OF WATER @ T1(g/ml):	0.998107	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	705.10	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	20.6	
(I) DENSITY OF WATER @ T2 (g/ml):	0.998107	

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

(Gs @ T1)= C/((C+(D-G)):	2.535	
CORRECTION FACTOR (K):	0.999873	
(Gs @ 20 C =(Gs @ T1)*K:)	2.535	

SPECIFIC GRAVITY: 2.535

MATERIALS ENGINEERING LABORATORY

227A-33

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

Thompson Engineering

DECEMBER 30, 1999

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 3363

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

SAMPLE IDENTIFICATION: UAS-T3-S3-0.5FT.

DATES	TECHNICIAN
SAMPLED: 11/15/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: E. HAGLER

.... 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):	1493.8
(f): MASS OF DRY SPECIMEN (g):	1285.5
(g): MASS OF CONTAINER (g):	32.53
(h): MASS OF CONTAINER & WET SPECIMEN (g):	163.48
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	145.22
(j): MASS OF WATER (g):	18.26
(k): MASS OF DRY SPECIMEN (g):	112.69
(l): WATER CONTENT (%):	**16.20**
(m): WET DENSITY (PCF):	**98.75**
(n): DRY DENSITY (PCF):	**84.98**
(o): SPECIFIC GRAVITY (Gavg):	2.535
(p): VOLUME OF SOLIDS (cc):	507.10
(q): VOID RATIO:	**0.86**
(r): DEGREE OF SATURATION (%):	47.68
(s): POROSITY (%):	**46.28**

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.

THOMPSON ENGINEERING TESTING, INC.

227A-34

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 DECEMBER 20, 1999
LAB #: 3280

CLIENT: O'BRIEN AND GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : UAS-T3-S4-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 11/15/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: E. HAGLER

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

(A) WEIGHT OF PYCNOMETER (g):	172.62	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	224.55	
(C) WEIGHT OF SAMPLE (g):	51.93	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	671.40	
E) TEMP. OF PYCNOMETER AND WATER (C):	19.8	
(F) DENSITY OF WATER @ T1(g/ml):	0.998273	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	703.00	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	19.8	
(I) DENSITY OF WATER @ T2 (g/ml):	0.998273	

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

(Gs @ T1)= C/((C+(D-G)):	2.554	
CORRECTION FACTOR (K):	1.000039	
(Gs @ 20 C =(Gs @ T1)*K:)	2.554	

SPECIFIC GRAVITY: 2.554

MATERIALS ENGINEERING LABORATORY

227A-35

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

Thompson Engineering

DECEMBER 30, 1999

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 3360

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

SAMPLE IDENTIFICATION: UAS-T3-S4-0.5FT.

DATES	TECHNICIAN
SAMPLED: 11/15/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: E. HAGLER

.... 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):	1389.2
(f): MASS OF DRY SPECIMEN (g):	1221.2
(g): MASS OF CONTAINER (g):	32.59
(h): MASS OF CONTAINER & WET SPECIMEN (g):	167.82
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	151.47
(j): MASS OF WATER (g):	16.35
(k): MASS OF DRY SPECIMEN (g):	118.88
(l): WATER CONTENT (%):	**13.75**
(m): WET DENSITY (PCF):	**91.83**
(n): DRY DENSITY (PCF):	**80.73**
(o): SPECIFIC GRAVITY (Gavg):	2.554
(p): VOLUME OF SOLIDS (cc):	478.17
(q): VOID RATIO:	**0.97**
(r): DEGREE OF SATURATION (%):	36.06
(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.

THOMPSON ENGINEERING TESTING, INC.

227A-36

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 DECEMBER 20, 1999
LAB #: 3284

CLIENT: O'BRIEN AND GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : UAS-T3-S5-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 11/15/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: E. HAGLER

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

(A) WEIGHT OF PYCNOMETER (g):	161.39	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	235.47	
(C) WEIGHT OF SAMPLE (g):	74.08	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	660.10	
(E) TEMP. OF PYCNOMETER AND WATER (C):	20.5	
(F) DENSITY OF WATER @ T1(g/ml):	0.998128	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	705.40	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	20.5	
(I) DENSITY OF WATER @ T2 (g/ml):	0.998128	

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

(Gs @ T1)= C/((C+(D-G)):	2.574	
CORRECTION FACTOR (K):	0.999894	
(Gs @ 20 C =(Gs @ T1)*K:)	2.574	

SPECIFIC GRAVITY: 2.574

MATERIALS ENGINEERING LABORATORY

227A-37

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

Thompson Engineering

DECEMBER 30, 1999

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

JOB #: 1999.00.0774
LAB #: 3364

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

SAMPLE IDENTIFICATION: UAS-T3-S5-0.5FT.

DATES	TECHNICIAN
SAMPLED: 11/15/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: E. HAGLER

.... 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):	1511.6
(f): MASS OF DRY SPECIMEN (g):	1354.6
(g): MASS OF CONTAINER (g):	32.03
(h): MASS OF CONTAINER & WET SPECIMEN (g):	169.12
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	154.88
(j): MASS OF WATER (g):	14.24
(k): MASS OF DRY SPECIMEN (g):	122.85
(l): WATER CONTENT (%):	**11.59**
(m): WET DENSITY (PCF):	**99.92**
(n): DRY DENSITY (PCF):	**89.54**
(o): SPECIFIC GRAVITY (Gavg):	2.574
(p): VOLUME OF SOLIDS (cc):	526.26
(q): VOID RATIO:	**0.79**
(r): DEGREE OF SATURATION (%):	37.59
(s): POROSITY (%):	**44.25**

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.

THOMPSON ENGINEERING TESTING, INC.

227A-38

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 DECEMBER 21, 1999
LAB #: 3332

CLIENT: O'BRIEN AND GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : UAS-T3-S6-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 11/15/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: C. CRAIG

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

(A) WEIGHT OF PYCNOMETER (g):	165.96	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	267.12	
(C) WEIGHT OF SAMPLE (g):	101.16	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	664.68	
(E) TEMP. OF PYCNOMETER AND WATER (C):	21.6	
(F) DENSITY OF WATER @ T1(g/ml):	0.997889	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	727.15	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	21.6	
(I) DENSITY OF WATER @ T2 (g/ml):	0.997889	

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

(Gs @ T1)= C/((C+(D-G)):	2.615	
CORRECTION FACTOR (K):	0.999654	
(Gs @ 20 C =(Gs @ T1)*K:)	2.614	

SPECIFIC GRAVITY: 2.614

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

DECEMBER 30, 1999

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

JOB #: 1999.00.0774
LAB #: 3385

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

SAMPLE IDENTIFICATION: UAS-T3-S6-0.5FT.

DATES	TECHNICIAN
SAMPLED: 11/15/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: D.ALEXANDER

.... 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):	1661.1
(f): MASS OF DRY SPECIMEN (g):	1446.4
(g): MASS OF CONTAINER (g):	32.44
(h): MASS OF CONTAINER & WET SPECIMEN (g):	219.35
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	195.19
(j): MASS OF WATER (g):	24.16
(k): MASS OF DRY SPECIMEN (g):	162.75
(l): WATER CONTENT (%):	**14.84**
(m): WET DENSITY (PCF):	**109.81**
(n): DRY DENSITY (PCF):	**95.61**
(o): SPECIFIC GRAVITY (Gavg):	2.614
(p): VOLUME OF SOLIDS (cc):	553.32
(q): VOID RATIO:	**0.71**
(r): DEGREE OF SATURATION (%):	54.96
(s): POROSITY (%):	**41.38**

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.

THOMPSON ENGINEERING TESTING, INC.

227A-40

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 DECEMBER 21, 1999
LAB #: 3329

CLIENT: O'BRIEN AND GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : UAS-T3-S7-0.5 FT.
NOTE: REPRESENTS PORTION OF SAMPLE PASSING THE NO. 4 SIEVE.

DATES	TECHNICIAN
SAMPLED: 11/15/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: C. CRAIG

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

(A) WEIGHT OF PYCNOMETER (g):	178.50	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	282.52	
(C) WEIGHT OF SAMPLE (g):	104.02	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	677.13	
(E) TEMP. OF PYCNOMETER AND WATER (C):	21.4	
(F) DENSITY OF WATER @ T1(g/ml):	0.997934	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	741.24	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	21.4	
(I) DENSITY OF WATER @ T2 (g/ml):	0.997934	

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

(Gs @ T1)= C/((C+(D-G)):	2.606	
CORRECTION FACTOR (K):	0.999699	
(Gs @ 20 C =(Gs @ T1)*K:)	2.606	

SPECIFIC GRAVITY: 2.606

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

DECEMBER 30, 1999

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 3382

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

SAMPLE IDENTIFICATION: UAS-T3-S7-0.5FT.

DATES	TECHNICIAN
SAMPLED: 11/15/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: D.ALEXANDER

.... 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):	4022.6
(f): MASS OF DRY SPECIMEN (g):	3877.9
(g): MASS OF CONTAINER (g):	162.06
(h): MASS OF CONTAINER & WET SPECIMEN (g):	2046.40
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	1978.60
(j): MASS OF WATER (g):	67.80
(k): MASS OF DRY SPECIMEN (g):	1816.54
(l): WATER CONTENT (%):	**3.73**
(m): WET DENSITY (PCF):	**118.18**
(n): DRY DENSITY (PCF):	**113.93**
(o): SPECIFIC GRAVITY (Gavg):	2.678
(p): VOLUME OF SOLIDS (cc):	1448.04
(q): VOID RATIO:	**0.47**
(r): DEGREE OF SATURATION (%):	21.41
(s): POROSITY (%):	**31.82**

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.

THOMPSON ENGINEERING TESTING, INC.

227A-42

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

Thompson Engineering

DECEMBER 30, 1999

		REPORT #:	
CLIENT:	O'BRIEN & GERE ENGINEERS, INC.	JOB #:	1999-00-0774
PROJECT:	SOLUTIA SAUGET AREA I PROJECT	LAB #:	3381

REPORT OF: WEIGHTED AVERAGE SPECIFIC GRAVITY OF SOIL ASTM D 854-92
SAMPLE IDENTIFICATION: UAS-T3-S7-0.5 FT.

DATES		TECHNICIAN	
SAMPLED:	11/15/99	SAMPLED:	CLIENT
TESTED:	12/08/99	TESTED:	C. CRAIG

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

(R1) PERCENT RETAINED ON THE No.4 SIEVE.	65.64
(P1) PERCENT PASSING THE No.4 SIEVE.	34.36
(G1) APPARENT SPECIFIC GRAVITY OF MATERIAL RETAINED ON THE No.4 SIEVE.	2.718
(G2) SPECIFIC GRAVITY OF MATERIAL PASSING THE No.4 SIEVE.	2.606

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

Weighted Average Specific Gravity: 2.678

MATERIALS ENGINEERING LABORATORY

227A-43

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

Thompson Engineering

DECEMBER 30,1999

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

JOB #: 1999-00-0774
LAB #: 3380

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

MATERIAL IDENTIFICATION: UAS-T3-S7-0.5 FT.
NOTE: REPRESENTS PORTION OF SAMPLE RETAINED ON NO. 4 SIEVE.

DATES		TECHNICIAN	
SAMPLED:	11/15/99	SAMPLED:	CLIENT
TESTED:	12/08/99	TESTED:	E.HAGLER

WEIGHT OF OVEN DRY SPECIMEN IN AIR (g):	5078.2
WEIGHT OF SATURATED SURFACE DRY SPECIMEN IN AIR (g):	5159.5
WEIGHT OF SATURATED SPECIMEN IN WATER (g):	3210.0

BULK SPECIFIC GRAVITY:	**2.605**
BULK SPECIFIC GRAVITY (SSD):	**2.647**
APPARENT SPECIFIC GRAVITY:	**2.718**
ABSORPTION:	**1.60**

MATERIALS ENGINEERING LABORATORY

227A-44

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 DECEMBER 20, 1999
LAB #: 3279

CLIENT: O'BRIEN AND GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : UAS-T4-S1-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 11/16/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: E. HAGLER

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

(A) WEIGHT OF PYCNOMETER (g):	178.53
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	254.24
(C) WEIGHT OF SAMPLE (g):	75.71
(D) WEIGHT OF PYCNOMETER AND WATER (g):	677.12
(E) TEMP. OF PYCNOMETER AND WATER (C):	20.6
(F) DENSITY OF WATER @ T1(g/ml):	0.998107
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	721.83
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	20.6
(I) DENSITY OF WATER @ T2 (g/ml):	0.998107

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

(Gs @ T1)= C/((C+(D-G)):	2.442
CORRECTION FACTOR (K):	0.999873
(Gs @ 20 C =(Gs @ T1)*K:)	2.442

SPECIFIC GRAVITY:	**2.442**

MATERIALS ENGINEERING LABORATORY

227A-45

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

Thompson Engineering

DECEMBER 30, 1999

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 3359

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

SAMPLE IDENTIFICATION: UAS-T4-S1-0.5FT.

DATES	TECHNICIAN
SAMPLED: 11/16/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: E. HAGLER

.... 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):	1469.7
(f): MASS OF DRY SPECIMEN (g):	1263.2
(g): MASS OF CONTAINER (g):	31.51
(h): MASS OF CONTAINER & WET SPECIMEN (g):	169.53
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	150.14
(j): MASS OF WATER (g):	19.39
(k): MASS OF DRY SPECIMEN (g):	118.63
(l): WATER CONTENT (%):	**16.34**
(m): WET DENSITY (PCF):	**97.15**
(n): DRY DENSITY (PCF):	**83.50**
(o): SPECIFIC GRAVITY (Gavg):	2.442
(p): VOLUME OF SOLIDS (cc):	517.29
(q): VOID RATIO:	**0.82**
(r): DEGREE OF SATURATION (%):	48.39
(s): POROSITY (%):	**45.20**

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.

THOMPSON ENGINEERING TESTING, INC.

227A-46

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 DECEMBER 20, 1999
LAB #: 3281

CLIENT: O'BRIEN AND GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : UAS-T4-S2-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 11/16/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: E. HAGLER

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

(A) WEIGHT OF PYCNOMETER (g):	173.51	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	279.86	
(C) WEIGHT OF SAMPLE (g):	106.35	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	672.14	
E) TEMP. OF PYCNOMETER AND WATER (C):	21.0	
(F) DENSITY OF WATER @ T1(g/ml):	0.998022	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	737.97	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	21.0	
(I) DENSITY OF WATER @ T2 (g/ml):	0.998022	

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

(Gs @ T1)= C/((C+(D-G)):	2.625	
CORRECTION FACTOR (K):	0.999788	
(Gs @ 20 C =(Gs @ T1)*K:)	2.624	

SPECIFIC GRAVITY: 2.624

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

DECEMBER 30, 1999

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 3361

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

SAMPLE IDENTIFICATION: UAS-T4-S2-0.5FT.

DATES	TECHNICIAN
SAMPLED: 11/16/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: E. HAGLER

.... 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):	1738.0
(f): MASS OF DRY SPECIMEN (g):	1632.1
(g): MASS OF CONTAINER (g):	110.13
(h): MASS OF CONTAINER & WET SPECIMEN (g):	1151.90
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	1088.42
(j): MASS OF WATER (g):	63.48
(k): MASS OF DRY SPECIMEN (g):	978.29
(l): WATER CONTENT (%):	**6.49**
(m): WET DENSITY (PCF):	**114.89**
(n): DRY DENSITY (PCF):	**107.89**
(o): SPECIFIC GRAVITY (Gavg):	2.624
(p): VOLUME OF SOLIDS (cc):	621.99
(q): VOID RATIO:	**0.52**
(r): DEGREE OF SATURATION (%):	32.89
(s): POROSITY (%):	**34.11**

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.

THOMPSON ENGINEERING TESTING, INC.

227A-48

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 DECEMBER 20, 1999
LAB #: 3282

CLIENT: O'BRIEN AND GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : UAS-T4-S3-0.5 FT.
NOTE: REPRESENTS PORTION OF SAMPLE PASSING THE NO. 4 SIEVE.

DATES	TECHNICIAN
SAMPLED: 11/16/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: E. HAGLER

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

(A) WEIGHT OF PYCNOMETER (g):	166.31	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	275.28	
(C) WEIGHT OF SAMPLE (g):	108.97	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	665.12	
(E) TEMP. OF PYCNOMETER AND WATER (C):	20.8	
(F) DENSITY OF WATER @ T1(g/ml):	0.998064	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	732.75	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	20.8	
(I) DENSITY OF WATER @ T2 (g/ml):	0.998064	

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

(Gs @ T1)= C/((C+(D-G)):	2.636	
CORRECTION FACTOR (K):	0.999830	
(Gs @ 20 C =(Gs @ T1)*K:)	2.635	

SPECIFIC GRAVITY: 2.635

MATERIALS ENGINEERING LABORATORY

227A-49

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

Thompson Engineering

DECEMBER 30, 1999

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 3362

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

SAMPLE IDENTIFICATION: UAS-T4-S3-0.5FT.

DATES	TECHNICIAN
SAMPLED: 11/16/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: E. HAGLER

.... 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):	1741.8
(f): MASS OF DRY SPECIMEN (g):	1640.6
(g): MASS OF CONTAINER (g):	88.09
(h): MASS OF CONTAINER & WET SPECIMEN (g):	1081.10
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	1023.39
(j): MASS OF WATER (g):	57.71
(k): MASS OF DRY SPECIMEN (g):	935.30
(l): WATER CONTENT (%):	**6.17**
(m): WET DENSITY (PCF):	**115.14**
(n): DRY DENSITY (PCF):	**108.45**
(o): SPECIFIC GRAVITY (Gavg):	2.690
(p): VOLUME OF SOLIDS (cc):	609.88
(q): VOID RATIO:	**0.55**
(r): DEGREE OF SATURATION (%):	30.30
(s): POROSITY (%):	**35.39**

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.

THOMPSON ENGINEERING TESTING, INC.

227A-50

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

Thompson Engineering

DECEMBER 20, 1999

		REPORT #:	
CLIENT:	O'BRIEN & GERE ENGINEERS, INC.	JOB #:	1999-00-0774
PROJECT:	SOLUTIA SAUGET AREA I PROJECT	LAB #:	3287

REPORT OF: WEIGHTED AVERAGE SPECIFIC GRAVITY OF SOIL ASTM D 854-92
SAMPLE IDENTIFICATION: UAS-T4-S3-0.5 FT.

DATES		TECHNICIAN	
SAMPLED:	11/16/99	SAMPLED:	CLIENT
TESTED:	12/08/99	TESTED:	E. HAGLER

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

R1) PERCENT RETAINED ON THE No.4 SIEVE.	26.88
(P1) PERCENT PASSING THE No.4 SIEVE.	73.12
(G1) APPARENT SPECIFIC GRAVITY OF MATERIAL RETAINED ON THE No.4 SIEVE.	2.851
(G2) SPECIFIC GRAVITY OF MATERIAL PASSING THE No.4 SIEVE.	2.635

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

Weighted Average Specific Gravity: 2.690

MATERIALS ENGINEERING LABORATORY

227A-51

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

Thompson Engineering

DECEMBER 20, 1999

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

JOB #: 1999-00-0774
LAB #: 3286

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

MATERIAL IDENTIFICATION: UAS-T4-S3-0.5 FT.
NOTE: REPRESENTS PORTION OF SAMPLE RETAINED ON NO. 4 SIEVE.

DATES		TECHNICIAN	
SAMPLED:	11/16/99	SAMPLED:	CLIENT
TESTED:	12/08/99	TESTED:	C. CRAIG

WEIGHT OF OVEN DRY SPECIMEN IN AIR (g):..... 618.4
WEIGHT OF SATURATED SURFACE DRY SPECIMEN IN AIR (g):..... 632.8
WEIGHT OF SATURATED SPECIMEN IN WATER (g):..... 401.5

BULK SPECIFIC GRAVITY:..... 2.674
BULK SPECIFIC GRAVITY (SSD):..... 2.736
APPARENT SPECIFIC GRAVITY:..... 2.851
ABSORPTION:..... 2.33

MATERIALS ENGINEERING LABORATORY

227A-52

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 DECEMBER 21, 1999
LAB #: 3309

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

SAMPLE IDENTIFICATION : UAS-T4-S4-0.5 FT.

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

DATES		TECHNICIAN	
SAMPLED:	11/16/99	SAMPLED:	CLIENT
TESTED:	12/08/99	TESTED:	C. CRAIG

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

(A) WEIGHT OF PYCNOMETER (g):	165.97
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	278.92
(C) WEIGHT OF SAMPLE (g):	112.95
(D) WEIGHT OF PYCNOMETER AND WATER (g):	664.65
(E) TEMP. OF PYCNOMETER AND WATER (C):	21.4
(F) DENSITY OF WATER @ T1(g/ml):	0.997934
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	735.05
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	21.4
(I) DENSITY OF WATER @ T2 (g/ml):	0.997934

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

(Gs @ T1)= C/((C+(D-G)):	2.655
CORRECTION FACTOR (K):	0.999699
(Gs @ 20 C =(Gs @ T1)*K:)	2.654

SPECIFIC GRAVITY: 2.654

MATERIALS ENGINEERING LABORATORY

227A-53

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

Thompson Engineering

DECEMBER 30, 1999

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 3348

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

SAMPLE IDENTIFICATION: UAS-T4-S4-0.5FT.

DATES	TECHNICIAN
SAMPLED: 11/16/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: E. HAGLER

.... 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):	1854.9
(f): MASS OF DRY SPECIMEN (g):	1790.4
(g): MASS OF CONTAINER (g):	206.28
(h): MASS OF CONTAINER & WET SPECIMEN (g):	1463.90
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	1420.20
(j): MASS OF WATER (g):	43.70
(k): MASS OF DRY SPECIMEN (g):	1213.92
(l): WATER CONTENT (%):	**3.60**
(m): WET DENSITY (PCF):	**122.62**
(n): DRY DENSITY (PCF):	**118.36**
(o): SPECIFIC GRAVITY (Gavg):	2.676
(p): VOLUME OF SOLIDS (cc):	669.08
(q): VOID RATIO:	**0.41**
(r): DEGREE OF SATURATION (%):	23.45
(s): POROSITY (%):	**29.12**

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.

THOMPSON ENGINEERING TESTING, INC.

227A-54

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

Thompson Engineering

DECEMBER 21, 1999

		REPORT #:	
CLIENT:	O'BRIEN & GERE ENGINEERS, INC.	JOB #:	1999-00-0774
PROJECT:	SOLUTIA SAUGET AREA I PROJECT	LAB #:	3319

REPORT OF: WEIGHTED AVERAGE SPECIFIC GRAVITY OF SOIL ASTM D 854-92

SAMPLE IDENTIFICATION: UAS-T4-S4-0.5 FT.

DATES		TECHNICIAN	
SAMPLED:	11/16/99	SAMPLED:	CLIENT
TESTED:	12/08/99	TESTED:	C. CRAIG

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

R1) PERCENT RETAINED ON THE No.4 SIEVE.	30.77
(P1) PERCENT PASSING THE No.4 SIEVE.	69.23
(G1) APPARENT SPECIFIC GRAVITY OF MATERIAL RETAINED ON THE No.4 SIEVE.	2.726
(G2) SPECIFIC GRAVITY OF MATERIAL PASSING THE No.4 SIEVE.	2.654

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

Weighted Average Specific Gravity: 2.676

MATERIALS ENGINEERING LABORATORY

227A-55

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

Thompson Engineering

DECEMBER 21, 1999

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

JOB #: 1999-00-0774
LAB #: 3318

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

MATERIAL IDENTIFICATION: UAS-T4-S4-0.5 FT.
NOTE: REPRESENTS PORTION OF SAMPLE RETAINED ON NO. 4 SIEVE.

DATES		TECHNICIAN	
SAMPLED:	11/16/99	SAMPLED:	CLIENT
TESTED:	12/08/99	TESTED:	C. CRAIG

WEIGHT OF OVEN DRY SPECIMEN IN AIR (g):	1039.6
WEIGHT OF SATURATED SURFACE DRY SPECIMEN IN AIR (g):	1063.3
WEIGHT OF SATURATED SPECIMEN IN WATER (g):	658.3

BULK SPECIFIC GRAVITY:	2.567
BULK SPECIFIC GRAVITY (SSD):	2.625
APPARENT SPECIFIC GRAVITY:	2.726
ABSORPTION:	2.28

MATERIALS ENGINEERING LABORATORY

227A-56

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 DECEMBER 20, 1999
LAB #: 3278

CLIENT: O'BRIEN AND GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : UAS-T4-S5-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 11/19/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: E. HAGLER

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

(A) WEIGHT OF PYCNOMETER (g):	178.51	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	286.91	
(C) WEIGHT OF SAMPLE (g):	108.40	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	677.26	
(E) TEMP. OF PYCNOMETER AND WATER (C):	20.1	
(F) DENSITY OF WATER @ T1(g/ml):	0.998213	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	744.66	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	20.1	
(I) DENSITY OF WATER @ T2 (g/ml):	0.998213	

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

(Gs @ T1)= C/((C+(D-G)):	2.644	
CORRECTION FACTOR (K):	0.999979	
(Gs @ 20 C =(Gs @ T1)*K:)	2.644	

SPECIFIC GRAVITY: 2.644

MATERIALS ENGINEERING LABORATORY

227A-57

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

Thompson Engineering

DECEMBER 30, 1999

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 3358

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

SAMPLE IDENTIFICATION: UAS-T4-S5-0.5FT.

DATES	TECHNICIAN
SAMPLED: 11/19/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: E. HAGLER

.... 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):	1837.7
(f): MASS OF DRY SPECIMEN (g):	1707.2
(g): MASS OF CONTAINER (g):	208.10
(h): MASS OF CONTAINER & WET SPECIMEN (g):	1252.50
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	1178.36
(j): MASS OF WATER (g):	74.14
(k): MASS OF DRY SPECIMEN (g):	970.26
(l): WATER CONTENT (%):	**7.64**
(m): WET DENSITY (PCF):	**121.48**
(n): DRY DENSITY (PCF):	**112.86**
(o): SPECIFIC GRAVITY (Gavg):	2.644
(p): VOLUME OF SOLIDS (cc):	645.71
(q): VOID RATIO:	**0.46**
(r): DEGREE OF SATURATION (%):	43.74
(s): POROSITY (%):	**31.60**

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.

THOMPSON ENGINEERING TESTING, INC.

227A-58

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 DECEMBER 21, 1999
LAB #: 3296

CLIENT: O'BRIEN AND GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : UAS-T4-S6-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 11/16/99	SAMPLED: CLIENT
TESTED: 12/06/99	TESTED: C. CRAIG

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

(A) WEIGHT OF PYCNOMETER (g):	172.62
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	255.31
(C) WEIGHT OF SAMPLE (g):	82.69
(D) WEIGHT OF PYCNOMETER AND WATER (g):	671.29
(E) TEMP. OF PYCNOMETER AND WATER (C):	20.9
(F) DENSITY OF WATER @ T1(g/ml):	0.998043
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	722.27
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	20.9
(I) DENSITY OF WATER @ T2 (g/ml):	0.998043

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

(Gs @ T1)= C/((C+(D-G)):	2.608
CORRECTION FACTOR (K):	0.999809
(Gs @ 20 C =(Gs @ T1)*K:)	2.607

SPECIFIC GRAVITY: 2.607

MATERIALS ENGINEERING LABORATORY

227A-59

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

Thompson Engineering

DECEMBER 30, 1999

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 3373

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

SAMPLE IDENTIFICATION: UAS-T4-S6-0.5FT.

DATES	TECHNICIAN
SAMPLED: 11/16/99	SAMPLED: CLIENT
TESTED: 12/06/99	TESTED: D.ALEXANDER

.... 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):	1839.9
(f): MASS OF DRY SPECIMEN (g):	1543.2
(g): MASS OF CONTAINER (g):	32.46
(h): MASS OF CONTAINER & WET SPECIMEN (g):	221.29
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	190.84
(j): MASS OF WATER (g):	30.45
(k): MASS OF DRY SPECIMEN (g):	158.38
(l): WATER CONTENT (%):	**19.23**
(m): WET DENSITY (PCF):	**121.63**
(n): DRY DENSITY (PCF):	**102.01**
(o): SPECIFIC GRAVITY (Gavg):	2.607
(p): VOLUME OF SOLIDS (cc):	591.95
(q): VOID RATIO:	**0.59**
(r): DEGREE OF SATURATION (%):	84.28
(s): POROSITY (%):	**37.29**

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.

THOMPSON ENGINEERING TESTING, INC.

227A-60

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 DECEMBER 27, 1999
LAB #: 3323

CLIENT: O'BRIEN AND GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : UAS-T4-S7-0.5 FT.
NOTE: REPRESENTS PORTION OF SAMPLE PASSING THE NO. 4 SIEVE.

DATES	TECHNICIAN
SAMPLED: 11/17/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: C. CRAIG

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

(A) WEIGHT OF PYCNOMETER (g):	166.35
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	221.15
(C) WEIGHT OF SAMPLE (g):	54.80
(D) WEIGHT OF PYCNOMETER AND WATER (g):	665.32
(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):	698.82
(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)):	2.573
CORRECTION FACTOR (K):	1.000118
(Gs @ 20 C =(Gs @ T1)*K:)	2.573

SPECIFIC GRAVITY: 2.573

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

DECEMBER 30, 1999

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 3391

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

SAMPLE IDENTIFICATION: UAS-T4-S7-0.5FT.

DATES	TECHNICIAN
SAMPLED: 11/17/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: E. HAGLER

.... 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):	1768.4
(f): MASS OF DRY SPECIMEN (g):	1637.0
(g): MASS OF CONTAINER (g):	158.84
(h): MASS OF CONTAINER & WET SPECIMEN (g):	1633.50
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	1523.90
(j): MASS OF WATER (g):	109.60
(k): MASS OF DRY SPECIMEN (g):	1365.06
(l): WATER CONTENT (%):	**8.03**
(m): WET DENSITY (PCF):	**116.90**
(n): DRY DENSITY (PCF):	**108.21**
(o): SPECIFIC GRAVITY (Gavg):	2.639
(p): VOLUME OF SOLIDS (cc):	620.30
(q): VOID RATIO:	**0.52**
(r): DEGREE OF SATURATION (%):	40.61
(s): POROSITY (%):	**34.29**

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.

THOMPSON ENGINEERING TESTING, INC.

227A-62

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

Thompson Engineering

DECEMBER 30, 1999

		REPORT #:	
CLIENT:	O'BRIEN & GERE ENGINEERS, INC.	JOB #:	1999-00-0774
PROJECT:	SOLUTIA SAUGET AREA I PROJECT	LAB #:	3390

REPORT OF: WEIGHTED AVERAGE SPECIFIC GRAVITY OF SOIL ASTM D 854-92
SAMPLE IDENTIFICATION: UAS-T4-S7-0.5 FT.

DATES		TECHNICIAN	
SAMPLED:	11/17/99	SAMPLED:	CLIENT
TESTED:	12/08/99	TESTED:	C. CRAIG

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

(R1) PERCENT RETAINED ON THE No.4 SIEVE.	40.14
(P1) PERCENT PASSING THE No.4 SIEVE.	59.86
(G1) APPARENT SPECIFIC GRAVITY OF MATERIAL RETAINED ON THE No.4 SIEVE.	2.745
(G2) SPECIFIC GRAVITY OF MATERIAL PASSING THE No.4 SIEVE.	2.573

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

Weighted Average Specific Gravity: 2.639

MATERIALS ENGINEERING LABORATORY

227A-63

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

Thompson Engineering

DECEMBER 30, 1999

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

JOB #: 1999-00-0774
LAB #: 3389

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

MATERIAL IDENTIFICATION: UAS-T4-S7-0.5 FT.
NOTE: REPRESENTS PORTION OF SAMPLE RETAINED ON NO. 4 SIEVE.

DATES		TECHNICIAN	
SAMPLED:	11/17/99	SAMPLED:	CLIENT
TESTED:	12/08/99	TESTED:	C. CRAIG

WEIGHT OF OVEN DRY SPECIMEN IN AIR (g):	816.1
WEIGHT OF SATURATED SURFACE DRY SPECIMEN IN AIR (g):	835.8
WEIGHT OF SATURATED SPECIMEN IN WATER (g):	518.8

BULK SPECIFIC GRAVITY:	2.574
BULK SPECIFIC GRAVITY (SSD):	2.637
APPARENT SPECIFIC GRAVITY:	2.745
ABSORPTION:	2.41

MATERIALS ENGINEERING LABORATORY

227A-64

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 DECEMBER 21, 1999
LAB #: 3315

CLIENT: O'BRIEN AND GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : UAS-T5-S1-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 11/17/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: C. CRAIG

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

(A) WEIGHT OF PYCNOMETER (g):	179.21
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	250.16
(C) WEIGHT OF SAMPLE (g):	70.95
(D) WEIGHT OF PYCNOMETER AND WATER (g):	677.87
(E) TEMP. OF PYCNOMETER AND WATER (C):	20.6
(F) DENSITY OF WATER @ T1(g/ml):	0.998107
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	720.99
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	20.6
(I) DENSITY OF WATER @ T2 (g/ml):	0.998107

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

(Gs @ T1)= C/((C+(D-G)):	2.549
CORRECTION FACTOR (K):	0.999873
(Gs @ 20 C =(Gs @ T1)*K:)	2.549

SPECIFIC GRAVITY: 2.549

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

DECEMBER 30, 1999

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 3354

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

SAMPLE IDENTIFICATION: UAS-T5-S1-0.5FT.

DATES	TECHNICIAN
SAMPLED: 11/17/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: E. HAGLER

.... 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):	1537.3
(f): MASS OF DRY SPECIMEN (g):	1330.8
(g): MASS OF CONTAINER (g):	32.07
(h): MASS OF CONTAINER & WET SPECIMEN (g):	174.87
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	155.69
(j): MASS OF WATER (g):	19.18
(k): MASS OF DRY SPECIMEN (g):	123.62
(l): WATER CONTENT (%):	**15.52**
(m): WET DENSITY (PCF):	**101.62**
(n): DRY DENSITY (PCF):	**87.97**
(o): SPECIFIC GRAVITY (Gavg):	2.549
(p): VOLUME OF SOLIDS (cc):	522.09
(q): VOID RATIO:	**0.81**
(r): DEGREE OF SATURATION (%):	48.94
(s): POROSITY (%):	**44.69**

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.

THOMPSON ENGINEERING TESTING, INC.

227A-66

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 DECEMBER 27, 1999
LAB #: 3320

CLIENT: O'BRIEN AND GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : UAS-T5-S2-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 11/17/99	SAMPLED: CLIENT
TESTED: 12/23/99	TESTED: D, NOBLES

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

(A) WEIGHT OF PYCNOMETER (g):	156.94	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	231.70	
(C) WEIGHT OF SAMPLE (g):	74.76	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	660.24	
(E) TEMP. OF PYCNOMETER AND WATER (C):	19.6	
(F) DENSITY OF WATER @ T1(g/ml):	0.998312	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	705.96	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	19.6	
(I) DENSITY OF WATER @ T2 (g/ml):	0.998312	

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

(Gs @ T1)= C/((C+(D-G)):	2.574	
CORRECTION FACTOR (K):	1.000078	
(Gs @ 20 C =(Gs @ T1)*K:)	2.575	

SPECIFIC GRAVITY: 2.575

MATERIALS ENGINEERING LABORATORY

227A-67

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

Thompson Engineering

DECEMBER 30, 1999

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 3386

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

SAMPLE IDENTIFICATION: UAS-T5-S2-0.5FT.

DATES	TECHNICIAN
SAMPLED: 11/17/99	SAMPLED: CLIENT
TESTED: 12/23/99	TESTED: E. HAGLER

.... 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):	1417.7
(f): MASS OF DRY SPECIMEN (g):	1265.5
(g): MASS OF CONTAINER (g):	31.47
(h): MASS OF CONTAINER & WET SPECIMEN (g):	175.41
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	159.96
(j): MASS OF WATER (g):	15.45
(k): MASS OF DRY SPECIMEN (g):	128.49
(l): WATER CONTENT (%):	**12.02**
(m): WET DENSITY (PCF):	**93.72**
(n): DRY DENSITY (PCF):	**83.66**
(o): SPECIFIC GRAVITY (Gavg):	2.575
(p): VOLUME OF SOLIDS (cc):	491.47
(q): VOID RATIO:	**0.92**
(r): DEGREE OF SATURATION (%):	33.63
(s): POROSITY (%):	**47.94**

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.

THOMPSON ENGINEERING TESTING, INC.

227A-68

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 DECEMBER 21, 1999
LAB #: 3321

CLIENT: O'BRIEN AND GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : UAS-T5-S3-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 11/17/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: C. CRAIG

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

(A) WEIGHT OF PYCNOMETER (g):	178.77	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	242.09	
(C) WEIGHT OF SAMPLE (g):	63.32	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	677.15	
(E) TEMP. OF PYCNOMETER AND WATER (C):	20.9	
(F) DENSITY OF WATER @ T1(g/ml):	0.998043	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	715.48	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	20.9	
(I) DENSITY OF WATER @ T2 (g/ml):	0.998043	

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

(Gs @ T1)= C/((C+(D-G)):	2.534	
CORRECTION FACTOR (K):	0.999809	
(Gs @ 20 C =(Gs @ T1)*K:)	2.533	

SPECIFIC GRAVITY: 2.533

MATERIALS ENGINEERING LABORATORY

227A-69

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

Thompson Engineering

DECEMBER 30, 1999

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 3387

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

SAMPLE IDENTIFICATION: UAS-T5-S3-0.5FT.

DATES	TECHNICIAN
SAMPLED: 11/17/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: E. HAGLER

.... 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
): MASS OF WET SPECIMEN (g):	1406.1
(f): MASS OF DRY SPECIMEN (g):	1295.3
(g): MASS OF CONTAINER (g):	32.11
(h): MASS OF CONTAINER & WET SPECIMEN (g):	160.32
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	150.22
(j): MASS OF WATER (g):	10.10
(k): MASS OF DRY SPECIMEN (g):	118.11
(l): WATER CONTENT (%):	**8.55**
(m): WET DENSITY (PCF):	**92.95**
(n): DRY DENSITY (PCF):	**85.63**
(o): SPECIFIC GRAVITY (Gavg):	2.533
(p): VOLUME OF SOLIDS (cc):	511.38
(q): VOID RATIO:	**0.85**
(r): DEGREE OF SATURATION (%):	25.61
(s): POROSITY (%):	**45.83**

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.

THOMPSON ENGINEERING TESTING, INC.

227A-70

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 DECEMBER 21, 1999
LAB #: 3312

CLIENT: O'BRIEN AND GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : UAS-T5-S4-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 11/17/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: C. CRAIG

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

(A) WEIGHT OF PYCNOMETER (g):	156.94	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	233.66	
(C) WEIGHT OF SAMPLE (g):	76.72	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	660.18	
(E) TEMP. OF PYCNOMETER AND WATER (C):	20.1	
(F) DENSITY OF WATER @ T1(g/ml):	0.998213	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	706.90	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	20.1	
(I) DENSITY OF WATER @ T2 (g/ml):	0.998213	

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

(Gs @ T1)= C/((C+(D-G)):	2.557	
CORRECTION FACTOR (K):	0.999979	
(Gs @ 20 C =(Gs @ T1)*K:)	2.557	

SPECIFIC GRAVITY: 2.557

MATERIALS ENGINEERING LABORATORY

227A-71

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

Thompson Engineering

DECEMBER 30, 1999

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 3351

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

SAMPLE IDENTIFICATION: UAS-T5-S4-0.5FT.

DATES	TECHNICIAN
SAMPLED: 11/17/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: E. HAGLER

.... 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):	1518.2
(f): MASS OF DRY SPECIMEN (g):	1350.1
(g): MASS OF CONTAINER (g):	31.45
(h): MASS OF CONTAINER & WET SPECIMEN (g):	185.00
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	168.00
(j): MASS OF WATER (g):	17.00
(k): MASS OF DRY SPECIMEN (g):	136.55
(l): WATER CONTENT (%):	**12.45**
(m): WET DENSITY (PCF):	**100.36**
(n): DRY DENSITY (PCF):	**89.25**
(o): SPECIFIC GRAVITY (Gavg):	2.557
(p): VOLUME OF SOLIDS (cc):	528.01
(q): VOID RATIO:	**0.79**
(r): DEGREE OF SATURATION (%):	40.41
(s): POROSITY (%):	**44.06**

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.

THOMPSON ENGINEERING TESTING, INC.

227A-72

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 DECEMBER 21, 1999
LAB #: 3313

CLIENT: O'BRIEN AND GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : UAS-T5-S5-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 11/17/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: C. CRAIG

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

(A) WEIGHT OF PYCNOMETER (g):	166.02
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	232.46
(C) WEIGHT OF SAMPLE (g):	66.44
(D) WEIGHT OF PYCNOMETER AND WATER (g):	664.80
(E) TEMP. OF PYCNOMETER AND WATER (C):	20.5
(F) DENSITY OF WATER @ T1(g/ml):	0.998128
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	704.81
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	20.5
(I) DENSITY OF WATER @ T2 (g/ml):	0.998128

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

(Gs @ T1)= C/((C+(D-G)):	2.514
CORRECTION FACTOR (K):	0.999894
(Gs @ 20 C =(Gs @ T1)*K:)	2.514

SPECIFIC GRAVITY: 2.514

MATERIALS ENGINEERING LABORATORY

227A-73

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

Thompson Engineering

DECEMBER 30, 1999

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 3352

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

SAMPLE IDENTIFICATION: UAS-T5-S5-0.5FT.

DATES	TECHNICIAN
SAMPLED: 11/17/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: E. HAGLER

.... 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):	1286.2
(f): MASS OF DRY SPECIMEN (g):	1209.3
(g): MASS OF CONTAINER (g):	32.44
(h): MASS OF CONTAINER & WET SPECIMEN (g):	159.85
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	152.23
(j): MASS OF WATER (g):	7.62
(k): MASS OF DRY SPECIMEN (g):	119.79
(l): WATER CONTENT (%):	**6.36**
(m): WET DENSITY (PCF):	**85.02**
(n): DRY DENSITY (PCF):	**79.94**
(o): SPECIFIC GRAVITY (Gavg):	2.514
(p): VOLUME OF SOLIDS (cc):	481.02
(q): VOID RATIO:	**0.96**
(r): DEGREE OF SATURATION (%):	16.62
(s): POROSITY (%):	**49.04**

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.

THOMPSON ENGINEERING TESTING, INC.

227A-74

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 DECEMBER 21, 1999
LAB #: 3314

CLIENT: O'BRIEN AND GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : UAS-T5-S6-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 11/17/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: C. CRAIG

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

(A) WEIGHT OF PYCNOMETER (g):	172.61
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	271.11
(C) WEIGHT OF SAMPLE (g):	98.50
(D) WEIGHT OF PYCNOMETER AND WATER (g):	671.31
(E) TEMP. OF PYCNOMETER AND WATER (C):	20.6
(F) DENSITY OF WATER @ T1(g/ml):	0.998107
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	731.86
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	20.6
(I) DENSITY OF WATER @ T2 (g/ml):	0.998107

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

(Gs @ T1)= C/((C+(D-G)):	2.596
CORRECTION FACTOR (K):	0.999873
(Gs @ 20 C =(Gs @ T1)*K:)	2.595

SPECIFIC GRAVITY: 2.595

MATERIALS ENGINEERING LABORATORY

227A-75

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

Thompson Engineering

DECEMBER 30, 1999

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 3353

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

SAMPLE IDENTIFICATION: UAS-T5-S6-0.5FT.

DATES	TECHNICIAN
SAMPLED: 11/17/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: E. HAGLER

.... 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):	1828.5
(f): MASS OF DRY SPECIMEN (g):	1572.7
(g): MASS OF CONTAINER (g):	32.42
(h): MASS OF CONTAINER & WET SPECIMEN (g):	196.35
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	173.42
(j): MASS OF WATER (g):	22.93
(k): MASS OF DRY SPECIMEN (g):	141.00
(l): WATER CONTENT (%):	**16.26**
(m): WET DENSITY (PCF):	**120.87**
(n): DRY DENSITY (PCF):	**103.96**
(o): SPECIFIC GRAVITY (Gavg):	2.595
(p): VOLUME OF SOLIDS (cc):	606.06
(q): VOID RATIO:	**0.56**
(r): DEGREE OF SATURATION (%):	75.69
(s): POROSITY (%):	**35.80**

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.

THOMPSON ENGINEERING TESTING, INC.

227A-76

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 DECEMBER 21, 1999
LAB #: 3311

CLIENT: O'BRIEN AND GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : UAS-T6-S1-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 11/18/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: C. CRAIG

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

(A) WEIGHT OF PYCNOMETER (g):	178.50
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	242.59
(C) WEIGHT OF SAMPLE (g):	64.09
(D) WEIGHT OF PYCNOMETER AND WATER (g):	677.27
(E) TEMP. OF PYCNOMETER AND WATER (C):	20.1
(F) DENSITY OF WATER @ T1(g/ml):	0.998213
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	716.05
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	20.1
(I) DENSITY OF WATER @ T2 (g/ml):	0.998213

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

(Gs @ T1)= C/((C+(D-G)):	2.532
CORRECTION FACTOR (K):	0.999979
(Gs @ 20 C =(Gs @ T1)*K:)	2.532

SPECIFIC GRAVITY:	**2.532**

MATERIALS ENGINEERING LABORATORY

227A-77

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

Thompson Engineering

DECEMBER 30, 1999

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 3350

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

SAMPLE IDENTIFICATION: UAS-T6-S1-0.5FT.

DATES	TECHNICIAN
SAMPLED: 11/18/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: E. HAGLER

.... 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):	1394.7
(f): MASS OF DRY SPECIMEN (g):	1184.8
(g): MASS OF CONTAINER (g):	32.06
(h): MASS OF CONTAINER & WET SPECIMEN (g):	172.99
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	151.78
(j): MASS OF WATER (g):	21.21
(k): MASS OF DRY SPECIMEN (g):	119.72
(l): WATER CONTENT (%):	**17.72**
(m): WET DENSITY (PCF):	**92.20**
(n): DRY DENSITY (PCF):	**78.32**
(o): SPECIFIC GRAVITY (Gavg):	2.532
(p): VOLUME OF SOLIDS (cc):	467.93
(q): VOID RATIO:	**1.02**
(r): DEGREE OF SATURATION (%):	44.09
(s): POROSITY (%):	**50.43**

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.

THOMPSON ENGINEERING TESTING, INC.

227A-78

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 DECEMBER 21, 1999
LAB #: 3310

CLIENT: O'BRIEN AND GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : UAS-T6-S2-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 11/18/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: C. CRAIG

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

(A) WEIGHT OF PYCNOMETER (g):	178.67
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	285.63
(C) WEIGHT OF SAMPLE (g):	106.96
(D) WEIGHT OF PYCNOMETER AND WATER (g):	677.14
(E) TEMP. OF PYCNOMETER AND WATER (C):	20.8
(F) DENSITY OF WATER @ T1(g/ml):	0.998064
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	743.14
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	20.8
(I) DENSITY OF WATER @ T2 (g/ml):	0.998064

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

(Gs @ T1)= C/((C+(D-G)):	2.611
CORRECTION FACTOR (K):	0.999830
(Gs @ 20 C =(Gs @ T1)*K:)	2.611

SPECIFIC GRAVITY: 2.611

MATERIALS ENGINEERING LABORATORY

227A-79

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

Thompson Engineering

DECEMBER 30, 1999

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 3349

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

SAMPLE IDENTIFICATION: UAS-T6-S2-0.5FT.

DATES	TECHNICIAN
SAMPLED: 11/18/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: E. HAGLER

.... 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):	1930.7
(f): MASS OF DRY SPECIMEN (g):	1708.5
(g): MASS OF CONTAINER (g):	197.02
(h): MASS OF CONTAINER & WET SPECIMEN (g):	1471.90
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	1325.20
(j): MASS OF WATER (g):	146.70
(k): MASS OF DRY SPECIMEN (g):	1128.18
(l): WATER CONTENT (%):	**13.00**
(m): WET DENSITY (PCF):	**127.63**
(n): DRY DENSITY (PCF):	**112.94**
(o): SPECIFIC GRAVITY (Gavg):	2.611
(p): VOLUME OF SOLIDS (cc):	654.36
(q): VOID RATIO:	**0.44**
(r): DEGREE OF SATURATION (%):	76.71
(s): POROSITY (%):	**30.68**

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.

THOMPSON ENGINEERING TESTING, INC.

227A-80

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 DECEMBER 21, 1999
LAB #: 3330

CLIENT: O'BRIEN AND GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : UAS-T6-S3-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 11/18/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: C. CRAIG

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

(A) WEIGHT OF PYCNOMETER (g):	178.82	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	249.96	
(C) WEIGHT OF SAMPLE (g):	71.14	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	677.40	
(E) TEMP. OF PYCNOMETER AND WATER (C):	21.0	
(F) DENSITY OF WATER @ T1(g/ml):	0.998022	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	721.70	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	21.0	
(I) DENSITY OF WATER @ T2 (g/ml):	0.998022	

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

(Gs @ T1)= C/((C+(D-G)):	2.651	
CORRECTION FACTOR (K):	0.999788	
(Gs @ 20 C =(Gs @ T1)*K:)	2.650	

SPECIFIC GRAVITY: 2.650

MATERIALS ENGINEERING LABORATORY

227A-81

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

Thompson Engineering

DECEMBER 30, 1999

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 3383

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

SAMPLE IDENTIFICATION: UAS-T6-S3-0.5FT.

DATES	TECHNICIAN
SAMPLED: 11/18/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: D.ALEXANDER

.... 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):	1669.0
(f): MASS OF DRY SPECIMEN (g):	1524.0
(g): MASS OF CONTAINER (g):	32.20
(h): MASS OF CONTAINER & WET SPECIMEN (g):	203.53
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	188.64
(j): MASS OF WATER (g):	14.89
(k): MASS OF DRY SPECIMEN (g):	156.44
(l): WATER CONTENT (%):	**9.52**
(m): WET DENSITY (PCF):	**110.33**
(n): DRY DENSITY (PCF):	**100.74**
(o): SPECIFIC GRAVITY (Gavg):	2.650
(p): VOLUME OF SOLIDS (cc):	575.08
(q): VOID RATIO:	**0.64**
(r): DEGREE OF SATURATION (%):	39.32
(s): POROSITY (%):	**39.08**

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.

THOMPSON ENGINEERING TESTING, INC.

227A-82

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 DECEMBER 21, 1999
LAB #: 3317

CLIENT: O'BRIEN AND GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : UAS-T6-S4-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 11/29/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: C. CRAIG

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

(A) WEIGHT OF PYCNOMETER (g):	171.89
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	272.59
(C) WEIGHT OF SAMPLE (g):	100.70
(D) WEIGHT OF PYCNOMETER AND WATER (g):	670.62
(E) TEMP. OF PYCNOMETER AND WATER (C):	20.6
(F) DENSITY OF WATER @ T1(g/ml):	0.998107
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	733.22
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	20.6
(I) DENSITY OF WATER @ T2 (g/ml):	0.998107

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

(Gs @ T1)= C/((C+(D-G)):	2.643
CORRECTION FACTOR (K):	0.999873
(Gs @ 20 C =(Gs @ T1)*K:)	2.643

SPECIFIC GRAVITY: 2.643

MATERIALS ENGINEERING LABORATORY

227A-83

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

Thompson Engineering

DECEMBER 30, 1999

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 3356

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

SAMPLE IDENTIFICATION: UAS-T6-S4-0.5FT.

DATES	TECHNICIAN
SAMPLED: 11/29/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: E. HAGLER

.... 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):	1793.8
(f): MASS OF DRY SPECIMEN (g):	1634.3
(g): MASS OF CONTAINER (g):	32.31
(h): MASS OF CONTAINER & WET SPECIMEN (g):	198.51
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	183.73
(j): MASS OF WATER (g):	14.78
(k): MASS OF DRY SPECIMEN (g):	151.42
(l): WATER CONTENT (%):	**9.76**
(m): WET DENSITY (PCF):	**118.58**
(n): DRY DENSITY (PCF):	**108.03**
(o): SPECIFIC GRAVITY (Gavg):	2.643
(p): VOLUME OF SOLIDS (cc):	618.34
(q): VOID RATIO:	**0.53**
(r): DEGREE OF SATURATION (%):	48.99
(s): POROSITY (%):	**34.50**

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.

THOMPSON ENGINEERING TESTING, INC.

227A-84

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 DECEMBER 21, 1999
LAB #: 3297

CLIENT: O'BRIEN AND GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : UAS-T6-S5-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 11/18/99	SAMPLED: CLIENT
TESTED: 12/06/99	TESTED: C. CRAIG

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

(A) WEIGHT OF PYCNOMETER (g):	178.53
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	281.27
(C) WEIGHT OF SAMPLE (g):	102.74
(D) WEIGHT OF PYCNOMETER AND WATER (g):	677.06
(E) TEMP. OF PYCNOMETER AND WATER (C):	21.1
(F) DENSITY OF WATER @ T1(g/ml):	0.998000
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	739.82
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	21.1
(I) DENSITY OF WATER @ T2 (g/ml):	0.998000

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

(Gs @ T1)= C/((C+(D-G)):	2.570
CORRECTION FACTOR (K):	0.999766
(Gs @ 20 C =(Gs @ T1)*K:)	2.569

SPECIFIC GRAVITY: 2.569

MATERIALS ENGINEERING LABORATORY

227A-85

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

Thompson Engineering

DECEMBER 30, 1999

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 3374

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

SAMPLE IDENTIFICATION: UAS-T6-S5-0.5FT.

DATES	TECHNICIAN
SAMPLED: 11/18/99	SAMPLED: CLIENT
TESTED: 12/06/99	TESTED: D.ALEXANDER

.... 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
): MASS OF WET SPECIMEN (g):	1787.3
(f): MASS OF DRY SPECIMEN (g):	1525.9
(g): MASS OF CONTAINER (g):	31.28
(h): MASS OF CONTAINER & WET SPECIMEN (g):	238.29
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	208.01
(j): MASS OF WATER (g):	30.28
(k): MASS OF DRY SPECIMEN (g):	176.73
(l): WATER CONTENT (%):	**17.13**
(m): WET DENSITY (PCF):	**118.15**
(n): DRY DENSITY (PCF):	**100.87**
(o): SPECIFIC GRAVITY (Gavg):	2.569
(p): VOLUME OF SOLIDS (cc):	593.95
(q): VOID RATIO:	**0.59**
(r): DEGREE OF SATURATION (%):	74.69
(s): POROSITY (%):	**37.08**

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.

THOMPSON ENGINEERING TESTING, INC.

227A-86

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 DECEMBER 21, 1999
LAB #: 3302

CLIENT: O'BRIEN AND GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : UAS-T7-S1-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 11/19/99	SAMPLED: CLIENT
TESTED: 12/06/99	TESTED: C. CRAIG

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

(A) WEIGHT OF PYCNOMETER (g):	175.88
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	233.04
(C) WEIGHT OF SAMPLE (g):	57.16
(D) WEIGHT OF PYCNOMETER AND WATER (g):	674.64
(E) TEMP. OF PYCNOMETER AND WATER (C):	21.1
(F) DENSITY OF WATER @ T1(g/ml):	0.998000
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	708.76
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	21.1
(I) DENSITY OF WATER @ T2 (g/ml):	0.998000

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

(Gs @ T1)= C/((C+(D-G)):	2.481
CORRECTION FACTOR (K):	0.999766
(Gs @ 20 C =(Gs @ T1)*K:)	2.480

SPECIFIC GRAVITY:	**2.480**

MATERIALS ENGINEERING LABORATORY

227A-87

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

Thompson Engineering

DECEMBER 30, 1999

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 3379

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

SAMPLE IDENTIFICATION: UAS-T7-S1-0.5FT.

DATES	TECHNICIAN
SAMPLED: 11/19/99	SAMPLED: CLIENT
TESTED: 12/06/99	TESTED: D.ALEXANDER

.... 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):	1392.4
(f): MASS OF DRY SPECIMEN (g):	1129.8
(g): MASS OF CONTAINER (g):	32.43
(h): MASS OF CONTAINER & WET SPECIMEN (g):	158.09
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	134.39
(j): MASS OF WATER (g):	23.70
(k): MASS OF DRY SPECIMEN (g):	101.96
(l): WATER CONTENT (%):	**23.24**
(m): WET DENSITY (PCF):	**92.04**
(n): DRY DENSITY (PCF):	**74.68**
(o): SPECIFIC GRAVITY (Gavg):	2.480
(p): VOLUME OF SOLIDS (cc):	455.56
(q): VOID RATIO:	**1.07**
(r): DEGREE OF SATURATION (%):	53.77
(s): POROSITY (%):	**51.74**

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.

THOMPSON ENGINEERING TESTING, INC.

227A-88

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 DECEMBER 21, 1999
LAB #: 3295

CLIENT: OBRIEN AND GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : UAS-T7-S2-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 11/18/99	SAMPLED: CLIENT
TESTED: 12/06/99	TESTED: C. CRAIG

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

(A) WEIGHT OF PYCNOMETER (g):	176.66
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	245.31
(C) WEIGHT OF SAMPLE (g):	68.65
(D) WEIGHT OF PYCNOMETER AND WATER (g):	675.42
(E) TEMP. OF PYCNOMETER AND WATER (C):	20.8
(F) DENSITY OF WATER @ T1(g/ml):	0.998064
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	717.32
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	20.8
(I) DENSITY OF WATER @ T2 (g/ml):	0.998064

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

(Gs @ T1)= C/((C+(D-G)):	2.566
CORRECTION FACTOR (K):	0.999830
(Gs @ 20 C =(Gs @ T1)*K:)	2.566

SPECIFIC GRAVITY: 2.566

MATERIALS ENGINEERING LABORATORY

227A-89

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

Thompson Engineering

DECEMBER 30, 1999

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 3372

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

SAMPLE IDENTIFICATION: UAS-T7-S2-0.5FT.

DATES	TECHNICIAN
SAMPLED: 11/18/99	SAMPLED: CLIENT
TESTED: 12/06/99	TESTED: D.ALEXANDER

.... 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):	1355.4
(f): MASS OF DRY SPECIMEN (g):	1232.9
(g): MASS OF CONTAINER (g):	32.43
(h): MASS OF CONTAINER & WET SPECIMEN (g):	188.00
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	173.94
(j): MASS OF WATER (g):	14.06
(k): MASS OF DRY SPECIMEN (g):	141.51
(l): WATER CONTENT (%):	**9.94**
(m): WET DENSITY (PCF):	**89.60**
(n): DRY DENSITY (PCF):	**81.50**
(o): SPECIFIC GRAVITY (Gavg):	2.566
(p): VOLUME OF SOLIDS (cc):	480.48
(q): VOID RATIO:	**0.96**
(r): DEGREE OF SATURATION (%):	26.43
(s): POROSITY (%):	**49.10**

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.

THOMPSON ENGINEERING TESTING, INC.

227A-90

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 DECEMBER 21, 1999
LAB #: 3299

CLIENT: O'BRIEN AND GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : UAS-T7-S3-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 11/17/99	SAMPLED: CLIENT
TESTED: 12/06/99	TESTED: C. CRAIG

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

(A) WEIGHT OF PYCNOMETER (g):	179.22
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	240.45
(C) WEIGHT OF SAMPLE (g):	61.23
(D) WEIGHT OF PYCNOMETER AND WATER (g):	677.84
(E) TEMP. OF PYCNOMETER AND WATER (C):	21.0
(F) DENSITY OF WATER @ T1(g/ml):	0.998022
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	714.88
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	21.0
(I) DENSITY OF WATER @ T2 (g/ml):	0.998022

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

(Gs @ T1)= C/((C+(D-G)):	2.531
CORRECTION FACTOR (K):	0.999788
(Gs @ 20 C =(Gs @ T1)*K:)	2.531

SPECIFIC GRAVITY: 2.531

MATERIALS ENGINEERING LABORATORY

227A-91

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

Thompson Engineering

DECEMBER 30, 1999

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 3376

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

SAMPLE IDENTIFICATION: UAS-T7-S3-0.5FT.

DATES	TECHNICIAN
SAMPLED: 11/17/99	SAMPLED: CLIENT
TESTED: 12/06/99	TESTED: D.ALEXANDER

.... 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):	1364.0
(f): MASS OF DRY SPECIMEN (g):	1186.2
(g): MASS OF CONTAINER (g):	31.67
(h): MASS OF CONTAINER & WET SPECIMEN (g):	161.46
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	144.54
(j): MASS OF WATER (g):	16.92
(k): MASS OF DRY SPECIMEN (g):	112.87
(l): WATER CONTENT (%):	**14.99**
(m): WET DENSITY (PCF):	**90.17**
(n): DRY DENSITY (PCF):	**78.41**
(o): SPECIFIC GRAVITY (Gavg):	2.531
(p): VOLUME OF SOLIDS (cc):	468.66
(q): VOID RATIO:	**1.01**
(r): DEGREE OF SATURATION (%):	37.41
(s): POROSITY (%):	**50.35**

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.

THOMPSON ENGINEERING TESTING, INC.

227A-92

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 DECEMBER 21, 1999
LAB #: 3300

CLIENT: O'BRIEN AND GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : UAS-T7-S4-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 11/19/99	SAMPLED: CLIENT
TESTED: 12/06/99	TESTED: C. CRAIG

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

(A) WEIGHT OF PYCNOMETER (g):	156.94
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	201.32
(C) WEIGHT OF SAMPLE (g):	44.38
(D) WEIGHT OF PYCNOMETER AND WATER (g):	660.03
(E) TEMP. OF PYCNOMETER AND WATER (C):	21.0
(F) DENSITY OF WATER @ T1(g/ml):	0.998022
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	687.14
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	21.0
(I) DENSITY OF WATER @ T2 (g/ml):	0.998022

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

(Gs @ T1)= C/((C+(D-G)):	2.570
CORRECTION FACTOR (K):	0.999788
(Gs @ 20 C =(Gs @ T1)*K:)	2.569

SPECIFIC GRAVITY: 2.569

MATERIALS ENGINEERING LABORATORY

227A-93

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

Thompson Engineering

DECEMBER 30, 1999

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 3377

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

SAMPLE IDENTIFICATION: UAS-T7-S4-0.5FT.

DATES	TECHNICIAN
SAMPLED: 11/18/99	SAMPLED: CLIENT
TESTED: 12/06/99	TESTED: D.ALEXANDER

.... 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):	1367.7
(f): MASS OF DRY SPECIMEN (g):	1264.2
(g): MASS OF CONTAINER (g):	31.54
(h): MASS OF CONTAINER & WET SPECIMEN (g):	180.81
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	169.51
(j): MASS OF WATER (g):	11.30
(k): MASS OF DRY SPECIMEN (g):	137.97
(l): WATER CONTENT (%):	**8.19**
(m): WET DENSITY (PCF):	**90.41**
(n): DRY DENSITY (PCF):	**83.57**
(o): SPECIFIC GRAVITY (Gavg):	2.569
(p): VOLUME OF SOLIDS (cc):	492.08
(q): VOID RATIO:	**0.92**
(r): DEGREE OF SATURATION (%):	22.91
(s): POROSITY (%):	**47.87**

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.

THOMPSON ENGINEERING TESTING, INC.

227A-94

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 DECEMBER 20, 1999
LAB #: 3277

CLIENT: O'BRIEN AND GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : UAS-T7-S5-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 11/19/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: E. HAGLER

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

(A) WEIGHT OF PYCNOMETER (g):	172.22	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	233.88	
(C) WEIGHT OF SAMPLE (g):	61.66	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	671.08	
E) TEMP. OF PYCNOMETER AND WATER (C):	20.4	
(F) DENSITY OF WATER @ T1(g/ml):	0.998149	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	708.85	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	20.4	
(I) DENSITY OF WATER @ T2 (g/ml):	0.998149	

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

(Gs @ T1)= C/((C+(D-G)):	2.581	
CORRECTION FACTOR (K):	0.999915	
(Gs @ 20 C =(Gs @ T1)*K:)	2.581	

SPECIFIC GRAVITY: 2.581

MATERIALS ENGINEERING LABORATORY

227A-95

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

Thompson Engineering

DECEMBER 30, 1999

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

JOB #: 1999.00.0774
LAB #: 3357

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

SAMPLE IDENTIFICATION: UAS-T7-S5-0.5FT.

DATES	TECHNICIAN
SAMPLED: 11/19/99	SAMPLED: CLIENT
TESTED: 12/08/99	TESTED: E. HAGLER

.... 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):	1397.4
(f): MASS OF DRY SPECIMEN (g):	1284.6
(g): MASS OF CONTAINER (g):	32.23
(h): MASS OF CONTAINER & WET SPECIMEN (g):	165.54
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	154.78
(j): MASS OF WATER (g):	10.76
(k): MASS OF DRY SPECIMEN (g):	122.55
(l): WATER CONTENT (%):	**8.78**
(m): WET DENSITY (PCF):	**92.37**
(n): DRY DENSITY (PCF):	**84.92**
(o): SPECIFIC GRAVITY (Gavg):	2.581
(p): VOLUME OF SOLIDS (cc):	497.72
(q): VOID RATIO:	**0.90**
(r): DEGREE OF SATURATION (%):	25.28
(s): POROSITY (%):	**47.27**

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.

THOMPSON ENGINEERING TESTING, INC.

227A-96

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 DECEMBER 21, 1999
LAB #: 3301

CLIENT: O'BRIEN AND GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : UAS-T7-S6-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 11/19/99	SAMPLED: CLIENT
TESTED: 12/06/99	TESTED: C. CRAIG

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

(A) WEIGHT OF PYCNOMETER (g):	166.35
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	215.40
(C) WEIGHT OF SAMPLE (g):	49.05
(D) WEIGHT OF PYCNOMETER AND WATER (g):	665.08
(E) TEMP. OF PYCNOMETER AND WATER (C):	21.2
(F) DENSITY OF WATER @ T1(g/ml):	0.997978
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	694.45
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	21.2
(I) DENSITY OF WATER @ T2 (g/ml):	0.997978

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

(Gs @ T1)= C/((C+(D-G)):	2.492
CORRECTION FACTOR (K):	0.999744
(Gs @ 20 C =(Gs @ T1)*K:)	2.492

SPECIFIC GRAVITY: 2.492

MATERIALS ENGINEERING LABORATORY

227A-97

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

Thompson Engineering

DECEMBER 30, 1999

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 3378

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

SAMPLE IDENTIFICATION: UAS-T7-S6-0.5FT.

DATES	TECHNICIAN
SAMPLED: 11/18/99	SAMPLED: CLIENT
TESTED: 12/06/99	TESTED: D.ALEXANDER

.... 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):	1220.5
(f): MASS OF DRY SPECIMEN (g):	1156.5
(g): MASS OF CONTAINER (g):	32.20
(h): MASS OF CONTAINER & WET SPECIMEN (g):	160.94
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	154.19
(j): MASS OF WATER (g):	6.75
(k): MASS OF DRY SPECIMEN (g):	121.99
(l): WATER CONTENT (%):	**5.53**
(m): WET DENSITY (PCF):	**80.68**
(n): DRY DENSITY (PCF):	**76.45**
(o): SPECIFIC GRAVITY (Gavg):	2.492
(p): VOLUME OF SOLIDS (cc):	464.09
(q): VOID RATIO:	**1.03**
(r): DEGREE OF SATURATION (%):	13.34
(s): POROSITY (%):	**50.84**

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.

THOMPSON ENGINEERING TESTING, INC.

227A-98

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JOB #: 1999-00-0774 DECEMBER 21, 1999
LAB #: 3298

CLIENT: O'BRIEN AND GERE ENGINEERS, INC.
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT
SAMPLE IDENTIFICATION : UAS-T7-S7-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 11/19/99	SAMPLED: CLIENT
TESTED: 12/06/99	TESTED: C. CRAIG

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

(A) WEIGHT OF PYCNOMETER (g):	168.57
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	244.67
(C) WEIGHT OF SAMPLE (g):	76.10
(D) WEIGHT OF PYCNOMETER AND WATER (g):	664.76
(E) TEMP. OF PYCNOMETER AND WATER (C):	21.1
(F) DENSITY OF WATER @ T1(g/ml):	0.998000
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	711.71
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	21.1
(I) DENSITY OF WATER @ T2 (g/ml):	0.998000

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

(Gs @ T1)= C/((C+(D-G)):	2.611
CORRECTION FACTOR (K):	0.999766
(Gs @ 20 C =(Gs @ T1)*K:)	2.610

SPECIFIC GRAVITY: 2.610

MATERIALS ENGINEERING LABORATORY

227A-99

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

Thompson Engineering

DECEMBER 30, 1999

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 3375

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

SAMPLE IDENTIFICATION: UAS-T7-S7-0.5FT.

DATES	TECHNICIAN
SAMPLED: 11/19/99	SAMPLED: CLIENT
TESTED: 12/06/99	TESTED: D.ALEXANDER

.... 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):	1150.8
(f): MASS OF DRY SPECIMEN (g):	1050.0
(g): MASS OF CONTAINER (g):	31.94
(h): MASS OF CONTAINER & WET SPECIMEN (g):	164.38
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	152.78
(j): MASS OF WATER (g):	11.60
(k): MASS OF DRY SPECIMEN (g):	120.84
(l): WATER CONTENT (%):	**9.60**
(m): WET DENSITY (PCF):	**76.07**
(n): DRY DENSITY (PCF):	**69.41**
(o): SPECIFIC GRAVITY (Gavg):	2.610
(p): VOLUME OF SOLIDS (cc):	402.30
(q): VOID RATIO:	**1.35**
(r): DEGREE OF SATURATION (%):	18.61
(s): POROSITY (%):	**57.38**

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.

THOMPSON ENGINEERING TESTING, INC.

227A-100

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

3.17.4.4. Chain-of-Custody Forms

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

Office: ST. LOUIS MO 63128
Address: 1000 CEDAR PLAZA PKWY
Phone: (314) 842-4550

CHAIN OF CUSTODY

Cooler Temperature _____

CLIENT: O'BRIEN & GERE
LOCATION: SOLUTIA SAUGET AREA 1

COLLECTED BY: COLIN WELLENKAMP
(Signature)

SAMPLE DESCRIPTION/LOCATION	Date	Time	Sample Matrix[1]	Sample Type[2]	No. of Containers	ANALYSIS REQUESTED[3]	Sample Preservation
UAS-T1-S2-0.5 FT	11-10	1535	SURFACE SOIL	GRAB	1 BAG	MOISTURE	NONE
UAS-T1-S1-0.5 FT	11-10	1415	SURFACE SOIL	GRAB	1 BAG	CONTENT BULK DENSITY	
UAS-T1-S5-0.5 FT			SURFACE SOIL	GRAB	1 BAG	SPEC. GRAV.	
UAS-T1-S6-0.5 FT			SURFACE SOIL	GRAB	1 BAG		
UAS-T1-S4-0.5 FT			SURFACE SOIL	GRAB	1 BAG		
UAS-T2-S4-0.5 FT	11-12	1520	SURFACE SOIL	GRAB	1 BAG		

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

Relinquished by: / of:	Date	Time	Received by: / of:	Date	Time
Use this space if shipped via courier (e.g., Fed Ex) Relinquished by: COLIN WELLENKAMP of: O'BRIEN & GERE	11-23-99	1000	Courier Name and Airbill Number: AIRBORNE EXPRESS 184276 5186 *Attach delivery/courier receipt to Chain of Custody	11-23-99	1000

229A-1

1 FROM (Company)

O'BRIEN & GERE

Street Address: STE 211

5000 CEDAR PLAZA PKWY

City: SAINT LOUIS | State: MO | ZIP CODE (Required): 63128

Sent by (Name/Dept): COLIN WELLENKAMP | Phone Number: 314-842-4550

2 TO (Company)

THOMPSON ENGINEERING

Street Address: 3707 COTTAGE HILL ROAD

City: MOBILE | State: AL | ZIP CODE (Required): 36691

Attention: (Name/Dept): DALE NOBLES | Phone Number (Important):

Description: SOIL SAMPLES

Preprint Format No.: 74943898_DST | Origin | Bill Number: 1842765186

4 Method of Payment *Assumed sender unless otherwise noted*

- [X] Bill Sender ▶ 43722555 *Airborne Sender account no*
- [ ] Bill Receiver ▶ *Airborne Receiver account no*
- [ ] Bill 3rd Party ▶ *Airborne Customer account no*
- [ ] Paid in Advance — *Check No.* — *Amount* $

Billing Reference *will appear on invoice*: 23548.040.001

5 Service Type

One box must be checked with an "X". Assumed Express Service unless otherwise noted.

Next Afternoon Shipments over 5 lbs. will be charged at the Express rate. Next Afternoon delivery to Bold Red destinations only

Express (Letter - 150 lbs)

Next Afternoon (Letter - 5 lbs)

Second Day (Letter - 150 lbs)

6 # of Pkgs: 1

7 Weight (LBS): 52.5 (SUBJECT TO CORRECTION)

8 One box must be checked: Letter Express [ ] Express Pack [ ] Other Packaging [X]

Special Instructions

- [ ] Saturday Delivery — Extra Charge Express Only — Not available to all locations
- [ ] Hold at Airborne
- [ ] Lab Pack
- [ ]

ABSENT A HIGHER SHIPMENT VALUATION CARRIER'S LIABILITY IS LIMITED TO $100 PER PACKAGE OR ACTUAL VALUE WHICHEVER IS LESS. SPECIAL OR CONSEQUENTIAL DAMAGES ARE NOT RECOVERABLE. SEE TERMS AND CONDITIONS ON REVERSE SIDE OF THIS NON-NEGOTIABLE AIRBILL. SCAC-AIRB FED I.D. NO. 91-0837469

3 *THANK YOU FOR SHIPPING WITH AIRBORNE EXPRESS*

Sender's Signature: [signature] | Date: 10-23-99/000

Airborne Signature | Route No. | Date | Time

Declared Value [ ] or Full Insurance [ ] | Shipment Valuation $ .00

Received At: [ ] Drop Box # | [ ] Airborne Terminal

AIRBORNE EXPRESS.

PO BOX 662, SEATTLE, WA 98111-0662

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

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

CHAIN OF CUSTODY

Cooler Temperature _____

CLIENT: O'BRIEN & GERE
LOCATION: SOLUTIA SAUGET AREA 1

COLLECTED BY: COLIN WELLENKAMP
(Signature)

SAMPLE DESCRIPTION/LOCATION	Date	Time	Sample Matrix[1]	Sample Type[2]	No. of Containers	ANALYSIS REQUESTED[3]	Sample Preservation
~~UAS-T5-S4-0.5 FT~~	~~11-17~~	~~1600~~	~~SURFACE SOIL~~	~~GRAB~~	~~1 BAG~~	MOISTURE	NONE
UAS-T4-S4-0.5 FT	11-16	1320	SURFACE SOIL	GRAB	1 BAG	CONTENT BULK DENSITY	
UAS-T6-S2-0.5 FT	11-18		SURFACE SOIL	GRAB	1 BAG	SPECIFIC GRAVITY	
UAS-T6-S1-0.5 FT	11-18	1520	SURFACE SOIL	GRAB	1 BAG		
UAS-T5-S4-0.5 FT	11-17	1530	SURFACE SOIL	GRAB	1 BAG		
UAS-T5-S5-0.5 FT	11-17	1520	SURFACE SOIL	GRAB	1 BAG		
UAS-T5-S6-0.5 FT	11-17	1500	SURFACE SOIL	GRAB	1 BAG		
UAS-T5-S1-0.5 FT	11-17	1015	SURFACE SOIL	GRAB	1 BAG		
UAS-T2-S1-0.5 FT	11-12	1000	SURFACE SOIL	GRAB	1 BAG		
UAS-T6-S4-0.5 FT	11-2[illegible]	1045	SURFACE SOIL	GRAB	1 BAG		

rix = Ground water, surface water, sediment, biota [1] 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: COLIN WELLENKAMP	Date	Time	Courier Name and Airbill Number: AIRBORNE EXPRESS	Date	Time
of: O'BRIEN & GERE	11-29-99	1400	1X4276 4980 *Attach delivery/courier receipt to Chain of Custody	11-29-99	1400
Relinquished by:	Date	Time	Received by:	Date	Time
of:			of:		

1 FROM (Company)

O'BRIEN & GERE

Street Address: STE 211

FOOD CEDAR PLAZA PKWY

City: SAINT LOUIS State: MO ZIP CODE (Required): 63128

Sent by (Name/Dept): COLIN WELLENKAMP Phone Number: 314-842-4550

2 TO (Company)

THOMPSON ENGINEERING

Street Address: 3707 COTTAGE HILL ROAD

City: MOBILE State: AL ZIP CODE (Required): 36691

Attention: (Name/Dept): DALE NOBLES Phone Number (Important):

Description: SOIL SAMPLES

3 THANK YOU FOR SHIPPING WITH AIRBORNE EXPRESS 1430

Sender's Signature: [signature] Date: 11-29-99

Airborne Signature: Route No.: Date: Time:

Preprint Format No.: 74943898 Origin: DST Bill Number: 1842764980

4 Method of Payment Assumed sender unless otherwise noted

- [X] Bill Sender ▶ 43722555 Airborne Sender account no
- [ ] Bill Receiver ▶ Airborne Receiver account no
- [ ] Bill 3rd Party ▶ Airborne Customer account no
- [ ] Paid in Advance Check No Amount $

Billing Reference will appear on invoice: 23548.040.001

5 # of Pkgs: 1

7 Weight (LBS): 66.0 SUBJECT TO CORRECTION

8 One box must be checked: Letter Express [ ] Express Pack [ ] Other Packaging [X]

Special Instructions

- [ ] Saturday Delivery Extra Charge Express Only Not available to all locations
- [ ] Hold at Airborne
- [ ] Lab Pack
- [ ]

Declared Value [ ] or Full Insurance [ ] $ .00 Shipment Valuation

Received At: [ ] Drop Box # [ ] Airborne Terminal

5 Service Type

One box must be checked with an "X". Assumed Express Service unless otherwise noted.

- [ ] Express (Letter - 150 lbs)
- [ ] Next Afternoon (Letter - 5 lbs)
- [X] Second Day (Letter - 150 lbs)

Next Afternoon Shipments over 5 lbs. will be charged at the Express rate. Next Afternoon delivery to Bold Red destinations only.

ABSENT A HIGHER SHIPMENT VALUATION CARRIER'S LIABILITY IS LIMITED TO $100 PER PACKAGE OR ACTUAL VALUE WHICHEVER IS LESS. SPECIAL OR CONSEQUENTIAL DAMAGES ARE NOT RECOVERABLE. SEE TERMS AND CONDITIONS ON REVERSE SIDE OF THIS NON-NEGOTIABLE AIRBILL. SCAC-ARB FED I.D. NO. 91-0837469

AIRBORNE EXPRESS.

PO BOX 662, SEATTLE, WA 98111-0662

www.airborne.com SENDER'S COPY 1-800-247-2676

Project Name: Support Sampling - Sauget Area 1 Site, Solutia Inc.
Job No. 235-18
Sheet 1 of 1

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

CHAIN OF CUSTODY

Cooler Temperature _____

CLIENT:
LOCATION:

COLLECTED BY:
(Signature)

SAMPLE DESCRIPTION/LOCATION	Date	Time	Sample Matrix[1]	Sample Type[2]	No. of Containers	ANALYSIS REQUESTED[3]	Sample Preservation
UAS-T5-52-0.5 FT	11-17	1030	SURFACE SOIL	GRAB	1 BAG	MOISTURE	NONE
UAS-T5-53-0.5 FT	11-17	1030	SURFACE SOIL	GRAB	1 BAG	CONTENT	
UAS-T2-56-0.5 FT	11-12		SURFACE SOIL	GRAB	1 BAG	SURFACE SOIL FY	
UAS-T4-57-0.5 FT	11-17	0930	SURFACE SOILS	GRAB	1 BAG		
UAS-T2-52-0.5 FT	11-12	1030	SURFACE SOILS	GRAB	1 BAG		
~~UAS-T2-52-0.5 FT~~							
UAS-T2-55-0.5 FT			SURFACE SOILS	GRAB	1 BAG		
UAS-T2-53-0.5 FT	11-12	1140	SURFACE SOIL	GRAB	1 BAG		
UAS-T1-57-0.5 FT			SURFACE SOIL	GRAB	1 BAG		
UAS-T1-53-0.5 FT			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: / of:	Date	Time	Received by: / of:	Date	Time
Use this space if shipped via courier (e.g., Fed Ex) Relinquished by: COLIN WELLENKAMP of: O'Brien & Gere	11-23-99	1000	Courier Name and Airbill Number: AIRBORNE EXPRESS 1847764884 *Attach delivery/courier receipt to Chain of Custody	11-23-99	1000

1 FROM (Company)
O BRIEN & GERE
Street Address
STE 211
5000 CEDAR PLAZA PKWY
City: SAINT LOUIS State: MO ZIP CODE (Required): 63128
Sent by (Name/Dept): COLIN WELLENKAMP Phone Number: 314-842-4550

2 TO (Company)
THOMPSON ENGINEERING
Street Address
3707 COTTAGE HILL ROAD
City: MOBILE State: AL ZIP CODE (Required): 36691
Attention: (Name/Dept): DALE NOBLES Phone Number (Important):
Description: SOIL SAMPLES

Preprint Format No.: 74943898 DST
Origin Number: 1842764884

4 Method of Payment Assumed sender unless otherwise noted
- [X] Bill Sender ▶ 43722555 Airborne Sender account no
- [ ] Bill Receiver ▶ Airborne Receiver account no
- [ ] Bill 3rd Party ▶ Airborne Customer account no
- [ ] Paid in Advance Check No Amount $

Billing Reference will appear on invoice: 23548.040.001

5 Service Type One box must be checked with an "X". Assumed Express Service unless otherwise noted.
Next Afternoon Shipments over 5 lbs. will be charged at the Express rate. Next Afternoon delivery to Bold Red destinations only.
Next Afternoon (Letter - 5 lbs)
Second Day: (Letter - 150 lbs)

6 # of Pkgs: 1
7 Weight(LBS): 74 SUBJECT TO CORRECTION
8 One box must be checked: Letter Express [ ] Express Pack [ ] Other Packaging [X]

Special Instructions
- [ ] Saturday Delivery Extra Charge Express Only Not available to all locations
- [ ] Hold at Airborne
- [ ] Lab Pack
- [ ]

ABSENT A HIGHER SHIPMENT VALUATION CARRIER'S LIABILITY IS LIMITED TO $100 PER PACKAGE OR ACTUAL VALUE WHICHEVER IS LESS. SPECIAL OR CONSEQUENTIAL DAMAGES ARE NOT RECOVERABLE. SEE TERMS AND CONDITIONS ON REVERSE SIDE OF THIS NON-NEGOTIABLE AIRBILL. SCAC-AIRB FED I D NO 91-0837469

3 THANK YOU FOR SHIPPING WITH AIRBORNE EXPRESS
Sender's Signature ▶ Colin Wellenkamp Date 11-23-99 1000
Airborne Signature Route No Date Time

Declared Value [ ] or Full Insurance [ ] Shipment Valuation $ .00
Received At [ ] Drop Box # [ ] Airborne Terminal

AIRBORNE EXPRESS.
PO BOX 662, SEATTLE, WA 98111-0662
1-800-247-2676

www.airborne.com SENDER'S COPY

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

Office: [illegible]
Address: [illegible]
Phone: [illegible]

CHAIN OF CUSTODY

Cooler Temperature _____

CLIENT: [illegible]
LOCATION: [illegible] AREA 1

COLLECTED BY: [illegible]
(Signature)

SAMPLE DESCRIPTION/LOCATION	Date	Time	Sample Matrix[1]	Sample Type[2]	No. of Containers	ANALYSIS REQUESTED[1]	Sample Preservation
[illegible]	11-18		SURFACE SOIL	GRAB	1 BAG	[illegible]	[illegible]
[illegible]-T4-SG-[illegible] FT	11-16		SURFACE SOIL	GRAB	1 BAG	[illegible]	↓
[illegible]	11-16		SURFACE SOIL	GRAB	1 BAG	[illegible]	↓
[illegible]-T7-[illegible]-2.5 [illegible]	11-14		SURFACE SOIL	GRAB	1 BAG	↓	↓
[illegible]-T7-S3-[illegible] FT	11-17		SURFACE SOIL	GRAB	1 BAG	↓	↓
[illegible]-T7-S4-[illegible] FT	11-15		SURFACE SOIL	GRAB	1 BAG	↓	↓
[illegible]-T7-[illegible] FT	11-14		SURFACE SOIL	GRAB	1 BAG	↓	↓
[illegible]-T7-[illegible] FT	11-[illegible]		SURFACE SOIL	GRAB	1 BAG	↓	↓

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

Relinquished by / of	Date	Time	Received by / of	Date	Time
Use this space if shipped via courier (e.g., Fed Ex) Relinquished by: COLIN HELLERMAN of: O'BRIEN & GERE	11-23-99	1000	Courier Name and Airbill Number: AIRBORNE EXPRESS 1842764781 *Attach delivery/courier receipt to Chain of Custody	11-23	[illegible]

USE THE INTERNATIONAL AIR WAYBILL FOR SHIPMENTS TO PUERTO RICO

1 FROM (Company)
O BRIEN & GERE

Street Address
STE 211
5000 CEDAR PLAZA PKWY

City: SAINT LOUIS State: MO ZIP CODE (Required): 63128

Sent by (Name/Dept): COLIN WELLENKAMP Phone Number: 314-842-4550

2 TO (Company)
THOMPSON ENGINEERING

Street Address
3707 COTTAGE HILL ROAD

City: MOBILE State: AL ZIP CODE (Required): 36691

Attention: (Name/Dept) Phone Number (Important)
DALE NOBLES

Description
SOIL SAMPLES

3 *THANK YOU FOR SHIPPING WITH AIRBORNE EXPRESS*

Sender's Signature ▶ Colin Wellenkamp Date 11-23-99, 10:00

Airborne Signature Route No. Date Time

Preprint Format No. 74943898 DST Origin Airbill Number 1842764781

4 Method of Payment *Assumed sender unless otherwise noted*

- [X] Bill Sender ▶ 43722555 *Airborne Sender account no.*
- [ ] Bill Receiver ▶ *Airborne Receiver account no.*
- [ ] Bill 3rd Party ▶ *Airborne Customer account no.*
- [ ] Paid in Advance *Check No.* *Amount* $

Billing Reference *will appear on invoice*
23548.040.001

6 # of Pkgs: 1 **7** Weight (LBS): 60 SUBJECT TO CORRECTION

8 One box must be checked: Letter Express [ ] Express Pack [ ] Other Packaging [X]

Special Instructions
- [ ] Saturday Delivery Extra Charge Express Only Not available to all locations
- [ ] Hold at Airborne
- [ ] Lab Pack

Declared Value [ ] or Full Insurance [ ] Shipment Valuation $ .00

Received At: [ ] Drop Box # [ ] Airborne Terminal

5 Service Type
One box must be checked with an "X". Assumed Express Service unless otherwise noted.

- [ ] Express (Letter - 150 lbs)
- [ ] Next Afternoon (Letter - 5 lbs)
- [X] Second Day (Letter - 150 lbs)

Next Afternoon Shipments over 5 lbs. will be charged at the Express rate. Next Afternoon delivery to Bold Red destinations only.

ABSENT A HIGHER SHIPMENT VALUATION CARRIER'S LIABILITY IS LIMITED TO $100 PER PACKAGE, OR ACTUAL VALUE, WHICHEVER IS LESS. SPECIAL OR CONSEQUENTIAL DAMAGES ARE NOT RECOVERABLE. SEE TERMS AND CONDITIONS ON REVERSE SIDE OF THIS NON-NEGOTIABLE AIRBILL. SCAC-ABNB FED I.D. NO. 91-0837469

AIRBORNE EXPRESS.
PO BOX 662, SEATTLE, WA 98111-0662

001 (9/98) M-06

www.airborne.com SENDER'S COPY 1-800-247-2676

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

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

CHAIN OF CUSTODY

Cooler Temperature _____

CLIENT: O'BRIEN + GERE
LOCATION: SOLUTIA SAUGET AREA 1

COLLECTED BY: COLIN WELLENKAMP
(Signature)

SAMPLE DESCRIPTION/LOCATION	Date	Time	Sample Matrix[1]	Sample Type[2]	No. of Containers	ANALYSIS REQUESTED[3]	Sample Preservation
UAS-T7-S5-0.5 FT	11-19		SURFACE SOIL	GRAB	1 BAG	MOISTURE	NONE
UAS-T4-S5-0.5 FT			SURFACE SOIL	GRAB	1 BAG	CONTENT BULK DENSITY	
UAS-T4-S1-0.5 FT	11-16	11:00AM	SURFACE SOIL	GRAB	1 BAG	SPECIFIC GRAVITY	
UAS-T3-S4-0.5 FT	11-15	1535	SURFACE SOIL	GRAB	1 BAG		
UAS-T4-S2-0.5 FT	11-16	11:30AM	SURFACE SOIL	GRAB	1 BAG		
UAS-T4-S3-0.5 FT			SURFACE SOIL	GRAB	1 BAG		
UAS-T3-S3-0.5 FT	11-15	1510	SURFACE SOIL	GRAB	1 BAG		
UAS-T3-S5-0.5 FT	11-15	1550	SURFACE SOIL	GRAB	1 BAG		
UAS-T3-S1-0.5 FT	11-15	1050	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: / of:	Date	Time	Received by: / of:	Date	Time
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: O'BRIAN & GERE; COLIN WELLENKAMP / of: O'BRIAN & GERE	11-23-99	1000	Courier Name and Airbill Number: AIRBORNE EXPRESS 1842769645 *Attach delivery/courier receipt to Chain of Custody	11-23-99	1000
Relinquished by: / of:	Date	Time	Received by: / of:	Date	Time

1 FROM (Company)
O BRIEN & GERE

Street Address
STE 211
5000 CEDAR PLAZA PKWY

City: SAINT LOUIS | State: MO | ZIP CODE (Required): 63128

Sent by (Name/Dept): COLIN WELLENKAMP | Phone Number: 314-842-4550

2 TO (Company)
THOMPSON ENGINEERING

Street Address
AIRBORNE CANNOT DELIVER TO P.O. BOX
3707 COTTAGE HILL ROAD

City: MOBILE | State: AL | ZIP CODE (Required): 36691

Attention: (Name/Dept): DALE NOBLES | Phone Number (Important):

Description: SOIL SAMPLES

Preprint Format No.: 74943898 | Origin: DST | Airbill Number: 1842764685

4 Method of Payment *Assumed sender unless otherwise noted*

- [X] Bill Sender ▶ 43722555 — *Airborne Sender account no.*
- [ ] Bill Receiver ▶ _____ — *Airborne Receiver account no.*
- [ ] Bill 3rd Party ▶ _____ — *Airborne Customer account no.*
- [ ] Paid in Advance — *Check No.* _____ *Amount* $ _____

Billing Reference *will appear on invoice*
23548.040.001

6 # of Pkgs: 1 | **7** Weight(LBS): 71 (SUBJECT TO CORRECTION) | **8** One box must be checked: Letter Express [ ] Express Pack [ ] Other Packaging [X]

Special Instructions
- [ ] Saturday Delivery — Extra Charge Express Only — Not available to all locations
- [ ] Hold at Airborne
- [ ] Lab Pack
- [ ] _____

5 Service Type
One box must be checked with an "X". Assumed Express Service unless otherwise noted.

- [ ] Express (Letter - 150 lbs)
- [ ] Next Afternoon (Letter - 5 lbs)
- [X] Second Day (Letter - 150 lbs)

Next Afternoon Shipments over 5 lbs. will be charged at the Express rate. Next Afternoon delivery to Bold Red destinations only.

ABSENT A HIGHER SHIPMENT VALUATION. CARRIER'S LIABILITY IS LIMITED TO $100 PER PACKAGE, OR ACTUAL VALUE, WHICHEVER IS LESS. SPECIAL OR CONSEQUENTIAL DAMAGES ARE NOT RECOVERABLE. SEE TERMS AND CONDITIONS ON REVERSE SIDE OF THIS NON-NEGOTIABLE AIRBILL. SCAC-AIRB FED I.D. NO. 91-0837469

3 *THANK YOU FOR SHIPPING WITH AIRBORNE EXPRESS*

Sender's Signature ▶ [signature] | Date: 11-23-99 1000

Airborne Signature | Route No. | Date | Time

Declared Value [ ] or Full Insurance [ ] | Shipment Valuation $ _____ .00

Received At: [ ] Drop Box # _____ [ ] Airborne Terminal

AIRBORNE EXPRESS.
PO BOX 662, SEATTLE, WA 98111-0662
1-800-247-2676

SENDER'S COPY

001 (9/98)M-06 USE THE INTERNATIONAL AIR WAYBILL FOR SHIPMENTS TO PUERTO RICO

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

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

CHAIN OF CUSTODY

Cooler Temperature _____

CLIENT: O'BRIEN & GERE
LOCATION: SOLUTIA SAUGET AREA 1

COLLECTED BY: COLIN WELLENKAMP
(Signature)

SAMPLE DESCRIPTION/LOCATION	Date	Time	Sample Matrix[1]	Sample Type[2]	No. of Containers	ANALYSIS REQUESTED[3]	Sample Preservation
UAS-T3-57-0.5 FT	11-15	1645	SURFACE SOIL	GRAB	5 BAGS	MOISTURE CONTENT	NONE
UAS-T6-53-0.5 FT	11-18	1615	SURFACE SOIL	GRAB	1 BAG	BULK DENSITY	
UAS-T3-52-0.5 FT	11-15	1135	SURFACE SOIL	GRAB	1 BAG	SPEC. FIC GRAVITY	
UAS-T3-56-0.5 FT	11-15	1420	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: / of:	Date	Time	Received by: / of:	Date	Time
Use this space if shipped via courier (e.g., Fed Ex) Relinquished by: COLIN WELLENKAMP of: O'BRIEN & GERE	11-23-99	1000	Courier Name and Airbill Number: AIRBORNE EXPRESS 1842765083 *Attach delivery/courier receipt to Chain of Custody	11-23-99	1000

USE THE INTERNATIONAL AIR WAYBILL FOR SHIPMENTS TO PUERTO RICO

1 FROM (Company): O BRIEN & GERE

Street Address: STE 211
5000 CEDAR PLAZA PKWY

City: SAINT LOUIS State: MO ZIP CODE (Required): 63128

Sent by (Name/Dept): COLIN WELLENKAMP Phone Number: 314-842-4550

2 TO (Company): THOMPSON ENGINEERING

Street Address: 3707 COTTAGE HILL ROAD

City: MOBILE State: AL ZIP CODE (Required): 36691

Attention: (Name/Dept): DALE NOBLES Phone Number (Important):

Description: SOIL SAMPLES

3 THANK YOU FOR SHIPPING WITH AIRBORNE EXPRESS

Sender's Signature: Colin Wellenkamp Date: 11-23-99 1000

Airborne Signature Route No. Date Time

Preprint Format No.: 74943898 DST Origin Airbill Number: 1842765083

4 Method of Payment (Assumed sender unless otherwise noted)

[X] Bill Sender ▶ 43722555 (Airborne Sender account no.)

[ ] Bill Receiver ▶ (Airborne Receiver account no.)

[ ] Bill 3rd Party ▶ (Airborne Customer account no.)

[ ] Paid in Advance Check No. Amount $

Billing Reference (will appear on invoice): 23548.040.001

6 # of Pkgs: 1 7 Weight (LBS): 94 (SUBJECT TO CORRECTION) 8 One box must be checked: Letter Express [ ] Express Pack [ ] Other Packaging [X]

Special Instructions

[ ] Saturday Delivery Extra Charge Express Only Not available to all locations

[ ] Hold at Airborne

[ ] Lab Pack

Declared Value [ ] or Full Insurance [ ] Shipment Valuation $ .00

Received At [ ] Drop Box # [ ] Airborne Terminal

5 Service Type (One box must be checked with an "X". Assumed Express Service unless otherwise noted.)

[ ] Express (Letter - 150 lbs)

[ ] Next Afternoon (Letter - 5 lbs)

[X] Second Day (Letter - 150 lbs)

Next Afternoon Shipments over 5 lbs. will be charged at the Express rate. Next Afternoon delivery to Bold Red destinations only.

ABSENT A HIGHER SHIPMENT VALUATION, CARRIER'S LIABILITY IS LIMITED TO $100 PER PACKAGE, OR ACTUAL VALUE, WHICHEVER IS LESS. SPECIAL OR CONSEQUENTIAL DAMAGES ARE NOT RECOVERABLE. SEE TERMS AND CONDITIONS ON REVERSE SIDE OF THIS NON-NEGOTIABLE AIRBILL. SCAC-ABFS FED I.D. NO. 91-0837499

AIRBORNE EXPRESS.

PO BOX 662, SEATTLE, WA 98111-0662

1-800-247-2676

www.airborne.com SENDER'S COPY

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) 725-1183

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Solutia Sauget Area 1	235189	Bill to Solutia

PROJECT LOC. (State): IL
SAMPLER(s) NAME: AJ Cork / WE Wright
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

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: VOCs (5035/8260B) / VOCs (8260B) / METALS, MERCURY, CYANIDE (6010B, 7470A, 9012A) / PCBs, HERB, PCBs, SVOCs (8081, 8151A, 8270C) / VOC Bulk Sample

PAGE 1 OF 1

STANDARD REPORT DELIVERY ☒
EXPEDITED REPORT DELIVERY (surcharge) ☐
Date Due

NUMBER OF CONTAINERS SUBMITTED: (Cool) / (Cool) / (Cool) / (Cool) / (Cool)

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	VOCs (5035/8260B)	VOCs (8260B)	METALS, MERCURY, CYANIDE	PCBs, HERB, PCBs, SVOCs	VOC Bulk Sample	REMARKS
11/10/99	1415		UAS-T1-S1-0.5FT		X			3	1	2	1		
11/10/99	1435		UAS-T1-S1-3-6FT		X			3	1	2	1		
11/10/99	1535		UAS-T1-S2-0.5FT		X			3	1	2	1		
11/10/99	1605		UAS-T1-S2-3-6FT		X			3	1	2	1		
11/10/99	1005		AA-SW-S2-42-46 FT	X					3				
11/10/99	1335		AA-SW-S2-52-56 FT	X					3				
11/10/99	1110		AA-SW-S3-14-16 FT	X					3				
11/10/99	1515		AA-SW-S3-22-26 FT	X					3				
11/10/99	1610		AA-SW-S2-62-66 FT	X					3				
11/10/99	1710		AA-SW-S2-62-66 FT-FD	X					3				
11/10/99	—		TRIP BLANK	X					3				
11/10/99	—		TEMP BLANK	X									

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	11/5/99		[signature]	11/11/99	1900			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
[signature]	11/8/99		FedX 8155 1526 6905	11/10/99	1900			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SLIDE NO.	LABORATORY REMARKS
			☐ YES ☐ NO			

229A-13

SDA11

FedEx USA Airbill FedEx Tracking Number 8155 1526 6905

Form I.D. No. 0215

1 From Please print and press hard

Date 11/10/99 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 23548.040.001

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

See back for application or functions

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 Package 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
[ ] 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	37	$ .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

SNP 899 • Rev. Date 11/98 • Part # 1548135 • © 1994-98 FedEx • PRINTED IN U.S.A.

RETAIN THIS COPY FOR YOUR RECORDS

229A-14

CHAIN OF CUSTODY

SAMPLER'S SIGNATURE: [signature]

Solutia Inc.

Contact Name: Kimberly Perry

Sauget ~~Ar~~ IL

Project Name: Sauget Area 1

PO#: Bill to Solutia

Phone #: ___/___/___

Total No. of Containers: 9

Analysis Wanted
① DIOXIN C8260
② DIOXIN C8290

Date	Time	Comp	Grab	Sample I.D.#	# of Cont.	①	②					Remarks
11/10/99	1415	X		UAS-T1-S1-0.5FT	1	X						
11/10/99	1435	X		UAS-T1-S1-3-6FT	1	X						
11/10/99	1515		X	AA-SW-S3-22-26FT	2		X					
11/10/99	1640		X	AA-SW-S2-62-66FT	2		X					
11/10/99	1710		X	AA-SW-S2-62-66FT-FD	2		X					
11/10/99	—			TEMP BLANK	1							

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
[signature]	11/10/99 1900	FedX 8157 4791 9851			
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

229A-15

SDA21

FedEx *USA Airbill* FedEx Tracking Number 8157 4791 9851 Form ID No. 0215

1 From (Please print and press hard)

Date 11/10/99 Sender's FedEx Account Number 1107-9507-3

Sender's Name Alan Cock 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 (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

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 at 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 (Account 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

359

RETAIN THIS COPY FOR YOUR RECORDS

Serial Number [illegible]

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	PROJECT NO.	P.O. NUMBER
[illegible]	23508	[illegible]

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
IL	[illegible]	[illegible]	[illegible]

CLIENT NAME	CLIENT PROJECT MANAGER
[illegible] Inc.	[illegible]

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 2

☒ 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
11/1/99	0900		VAS-T1-S3-0.5FT		X			3		2	1	1					
11/1/99	1000		VAS-T1-S3-3-6FT		X			3		2	1	1					
11/1/99	1025		VAS-T1-S4-0.5FT		X			3		2	1	1					
11/1/99	1100		VAS-T1-S4-3-6FT		X			3		2	1	1					
11/1/99	1155		VAS-T1-S5-0.5FT		X			3		2	1	1					
11/1/99	1245		VAS-T1-S5-3-6FT		X			3		[illegible]	1	1					
11/1/99	1330		VAS-T1-S6-0.5FT		X			3		2	1	1					
11/1/99	1315		VAS-T1-S6-3-6FT		X			3		2	1	1					
11/1/99	1520		VAS-T1-S7-0.5FT		X			3		2	1	1					
11/1/99	1515		VAS-T1-S7-3-6FT		X			3		2	1	1					
11/1/99	—		TRIP BLANK	X					3								
11/1/99	—		TRIP BLANK	X													

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY (SIGNATURE)	DATE	TIME
[illegible]	[illegible]		[illegible]	11/1/99	1910			

RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
[illegible]	11/2/99		Fedex # 8155 1526 7084	11/1/99	1800			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			☐ YES ☐ NO			

Serial Number [illegible]

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	PROJECT NO.	P.O. NUMBER
[illegible]	23518	[illegible]

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
IL	AJ CORK/CH WELLTMEAMP	[illegible]	[illegible]

CLIENT NAME	CLIENT PROJECT MANAGER
[illegible]	[illegible]

CLIENT ADDRESS (CITY, STATE, ZIP): St. Louis

PAGE 2 OF 2

[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: VOCs (8260/8260B) / SVOCs (8270) / Metals (6010/7000) / Cyanide (9010/9012) / TCLP Metals (6010/7000) / VOC BULK SAMPLE

NUMBER OF CONTAINERS SUBMITTED

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	VOCs (8260/8260B)	SVOCs (8270)	Metals (6010/7000)	Cyanide (9010/9012)	TCLP Metals (6010/7000)	VOC BULK SAMPLE						REMARKS
11/11/99	1520		VAS-T1-S7-0.5FT-FD		X			3	2	1	1								
11/11/99	1615		VAS-T1-S7-3-6FT-FD		X			3	2	1	1								

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			[signature]	11/11/99	1800			

RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
			Tedx #0155 1526 7084	11/11/99	1600			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			[ ] YES [ ] NO			

SDA11

Fed USA Airbill FedEx Tracking Number 8155 1526 7084

Form ID No 0215

1 From Please print and press hard

Date 11/11/99

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 23548.040.001

3 To Recipient's Name Betsy Beauchamp

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

See back for application to your firm

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 *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	56	$ .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

0111762862

RETAIN THIS COPY FOR YOUR RECORDS

Serial Number 149394

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: [illegible] Area
PROJECT NO.: 23549
P.O. NUMBER: [illegible]
PROJECT LOC. (State): IL
SAMPLER(s) NAME: [illegible]
PHONE: [illegible]
FAX: [illegible]
CLIENT NAME: [illegible]
CLIENT PROJECT MANAGER: Kimberly [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

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]	[illegible]	REMARKS
								Cool	Cool	Cool	Cool	Cool HNO3	Cool HNO3	Cool NaOH				
11/11/99	1700		UAS-T1-S7-0.5FT-EB	X				2	2	2	2	1	1	1				
11/11/99	-		TEMP BLANK	X														

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY (SIGNATURE)	DATE	TIME	RELINQUISHED BY (SIGNATURE)	DATE	TIME
			[illegible]	11/11/99	1800			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY (SIGNATURE)**	**DATE**	**TIME**
			Fax 815 5 1526 6916	11/11/99	1800			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			☐ YES ☐ NO			

SDA11

FedEx USA Airbill FedEx Tracking Number 8155 1526 6916

Form I.D. No 0215

1 Please print and press hard

Date 11/11/99

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 23548.040.001

3 Recipient's Name Betsy Beauchap

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

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

Dangerous Goods cannot be shipped in FedEx packaging

[ ] Cargo Aircraft Only

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	48	$ 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

SDP 890 • Rev. Date 11/98 • Part # 1548135 • © 1994-98 FedEx • PRINTED IN U.S.A.

RETAIN THIS COPY FOR YOUR RECORDS

Serial Number 9995

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	PROJECT NO.	P.O. NUMBER
[illegible]	23540	[illegible]

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE / FAX
IL	[illegible]	PHONE [illegible] / FAX [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

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]	[illegible]	REMARKS
[illegible]	1700		[illegible]	X				2	2	2	2	1	1	1				
11/11/99	-		TEMP BLANK	X														

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			[illegible]	11/11/99	1800			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
			Fed x 8155 1526 6927	11/11/99	1800			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			☐ YES ☐ NO			

SDA11

FedEx USA Airbill FedEx Tracking Number 8155 1526 6927

Form ID No 0215

1 From Please print and press hard

Date 11/11/99

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 23518.010.001

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

See back for applicable service terms or conditions

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 **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, UN1845 x kg

Dangerous goods cannot be shipped in FedEx packaging

- [ ] Cargo Aircraft Only

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	48	$ .00

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

FedEx Use Only

8 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

229A-23

Serial Number 14231C

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: Sauget Area 1
PROJECT NO.: 23548
P.O. NUMBER: Direct Bill to Solutia
PROJECT LOC. (State): MO
SAMPLER(s) NAME: WE Wright
PHONE:
FAX:
CLIENT NAME: Solutia, Inc.
CLIENT PROJECT MANAGER: Kimberly Perry
CLIENT ADDRESS (CITY, STATE, ZIP): St. Louis, MO

PAGE 1 OF

☒ 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	Metals (SW6010B) HNO3 Cool	Mercury (SW7470A) HNO3 Cool	Cyanide (SW9010B) NaOH Cool	SVOCs (SW8270C) Cool	PCBs (8082) Cool	Pesticides (SW8081A) Cool	Herbicides (SW8151A) Cool	VOCs (SW8260B) HCl Cool			REMARKS
11/11/99	0930		AA-SW-S2-(72-76)FT-EB	X				1	1	1	2	2	2	2	3			
11/11/99	1095		AA-SW-S3-(32-36)FT	X				1							3			
11/11/99	1245		AA-SW-S2-(72-76)FT	X											3			
11/11/99	1430		AA-SW-S3-(42-46)FT	X											3			
11/11/99	1600		AA-SW-S2-(82-86)FT	X											3			
11/11/99	1700		UAS-TI-S7-0.5FT-EB	X											3			
11/11/99	1700		UAS-TI-S7-3-6FT-EB	X											3			
11/11/99			Trip Blank	X											3			
—	—		Temp Blank	X														

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY (SIGNATURE)	DATE	TIME
[illegible]	11/11/99		[illegible]	11/11/99	1900			

RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
[illegible]	11/11/99	0800	8155-1526 7030	11/11/99	1900			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS
			☐ YES ☐ NO			

Fax

To:	Betsy Beauchamp	**From:**	Alan Cook
Fax:	(912) 352-0165	**Pages:**	3
Phone:	(912) 354-7858	**Date:**	11/12/99
Re:		**CC:**	

☐ Urgent ☐ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

Betsy, C-O-C # 142312 was shipped via FedX Airbill # 8155-1526-7030 accordy to the C-O.C. However, the Airbill was damage beyond use after packaging so we had to replace it w/ a new Airbill # 815280023281. Attached. call w/ any questions.

Thks

AC

FedEx USA Airbill FedEx Tracking Number 815280023281

Form I.D. No. 0200

1 From Please print and press hard

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

Sender's Name Bill Wright Phone (314) 842-4550

Company O'Brien & Gere Engineers

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

City ST. Louis State MO ZIP 63128

2 Your Internal Billing Reference First 24 characters will appear on invoice 2354.030.002

3 To

Recipient's Name Betsy Beauchamp Phone (912) 354-7858

Company Savannah Laboratories

Address 5102 LaRoche Avenue

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

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? (Dangerous goods 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

- [ ] 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

360

RETAIN THIS COPY FOR YOUR RECORDS

FedX Airbill # on C-O-C is incorrect due to the fact that airbill was damaged beyond use and a new one had to be written up to replace it. This is the new airbill which (2places Airbill 8155-1526(030. (

CHAIN OF CUSTODY

SAMPLER'S SIGNATURE: [illegible]

Solutia Inc.

Contact Name: Kimberly Perry

Sauget, IL

Project Name: Sauget Area 1

PO#: Bill to Solutia

Phone #: ___/___/___

Total No. of Containers: 8

Analysis Wanted:
① 8280A DIOXIN
② 8290 DIOXIN

Date	Time	Comp	Grab	Sample I.D.#	# of Cont.	①	②					Remarks
11/11/99	1315	X		UAS-T1-S6-3-6 FT	1	X						Soil
	1330	X		UAS-T1-S6-0.5FT	1	X						Soil
	0930		X	AA-SW-S2-72-76FT-EB	2		X					Water
	1700		X	UAS-T1-S7-0.5FT-EB	2	X						Water
	1700		X	UAS-T1-S7-3-6FT-EB	2	X						Water

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
[signature]	11/11/99 1800	Ted X 8157479 19840			
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

229A-27

SDA21

FedEx USA Airbill — FedEx Tracking Number 8157 4791 9840

Form ID No 0215

1 From Please print and press hard

Date 11/11/99

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 23548.010.001

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

See back for application to this form

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 — 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 — 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 40

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

359

SRP 999 • Rev. Date 11/98 • Part # 15181 (Rev. 11/98) FedEx • PRINTED IN U.S.A.

RETAIN THIS COPY FOR YOUR RECORDS

Serial Number 29787

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

In two coolers

PROJECT REFERENCE	PROJECT NO.	PO NUMBER
Solutia Sauget Area 1	23518	Billing Solutia

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
IL	CM WELLENKAMP / NT JENKINS	(314) 842-4550	(314) 947-3266

CLIENT NAME	CLIENT PROJECT MANAGER
Solutia	Kimberly Perry Solutia

CLIENT ADDRESS (CITY, STATE, ZIP): St. Louis

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: VOCs (8260/624) / SVOCs (8270/625) / Pesticides/PCBs (8081/608) / Herbicides (8151A/615A) / METALS/Hg (CVAA/ICP/ICP-MS) / GC/MS (8270A/625) / TOTAL LIQUIDS / NON-AQUEOUS SAMPLE

PAGE 1 OF 2

☒ 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 (8260/624)	SVOCs (8270/625)	Pesticides/PCBs (8081/608)	Herbicides (8151A/615A)	METALS/Hg (CVAA/ICP/ICP-MS)	GC/MS (8270A/625)	TOTAL LIQUIDS	NON-AQUEOUS SAMPLE	REMARKS
								(cool)	(cool)	(cool)	(cool)					
11/12/99	1000		UAS-T2-S1-0.5FT		X			3	2	1	1					
11/12/99	1010		UAS-T2-S1-3-6FT		X			3	2	1	1					
11/12/99	1030		UAS-T2-S2-0.5FT		X			3	2	1	1					
11/12/99	1100		UAS-T2-S2-3-6FT		X			3	2	1	1					
11/12/99	1140		UAS-T2-S3-0.5FT		X			3	2	1	1					
11/12/99	1200		UAS-T2-S3-3-6FT		X			3	2	1	1					
11/12/99	1220		UAS-T2-S4-0.5FT		X			3	2	1	1					
11/12/99	1220		UAS-T2-S4-0.5FT-MS/MSD		X			3	2	1	1					
11/12/99	1250		UAS-T2-S4-3-6FT		X			3	2	1	1					
11/12/99	1250		UAS-T2-S4-3-6FT-MS/MSD		X			3	2	1	1					
11/12/99	1500		UAS-T2-S5-0.5FT		X			3	2	1	1					
11/12/99	1515		UAS-T2-S5-3-6FT		X			3	2	1	1					

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY (SIGNATURE)	DATE	TIME	RELINQUISHED BY (SIGNATURE)	DATE	TIME
	11/12/99			11/12/99	1000			

RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
	11/12/99		FedEx 8155 1526 6982	11/12/99	1800			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			☐ YES ☐ NO			

Serial Number 112436

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

In two coolers

PROJECT REFERENCE	PROJECT NO	P.O. NUMBER
[illegible] Area 1	23548	[illegible]

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
IL	CAMPBELL/NAMP/NEUKINS	(314) [illegible]	(314) 817-3266

CLIENT NAME	CLIENT PROJECT MANAGER
[illegible]	Kimberly Perry [illegible]

CLIENT ADDRESS (CITY, STATE, ZIP): [illegible] MO

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: VOC (8260B) / VOC (15 [illegible] 8260B) / [illegible] / [illegible] / VOC - FULL SAMPLE

PAGE 2 OF 2

☒ 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)	VOC (15 [illegible] 8260B)	[illegible]	[illegible]	VOC - FULL SAMPLE	REMARKS
			HCL	Cool	Cool	Cool	Cool						
11/12/94	1530		UAS-T2-56-0.5 FT		X			3	2	1	1		
11/12/94	1535		UAS-T2-56-3-6 FT		X			3	2	1	1		
~~11/12/94~~	—		~~UAS T2 57 0.5 FT~~		~~X~~			~~3~~	~~2~~	~~1~~	~~1~~	Ade	
~~11/12/94~~	—		~~UAS-T2-57-3-6 FT~~		~~X~~			~~3~~	~~2~~	~~1~~	~~1~~	Ade	
11/12/94	—		TEMP BLANK	X									
11/12/94	—		TRIP BLANK	X			3						

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY (SIGNATURE)	DATE	TIME
			[signature]	11/12/94	1500			

RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
			Fed X 8155 1526 9832	11/12/94	1800			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
(			☐ YES ☐ NO	(		(

229A-30

ter completion, the
PS Sender copy (pink)
given to the sender.

FedEx

Domestic Multiple Package Shipment Labels

Shipment Date 11/12/99
Airbill Number 8155 1526 6982
2 of 2

115 3292 9263 — Form 15 Rev. 0260

115 3292 9274 — Form 15 Rev. 0260

115 3292 9285 — Form 15 Rev. 0260

115 3292 9296 — Form 15 Rev. 0260

1292 9300 — Form 15 Rev. 0260

FedEx USA Airbill

FedEx Tracking Number 8155 1526 6982

0215

Date 11/12/99 Sender's FedEx Account Number 1187-9587-3

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

Company D'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 23548.040.001

3 To Recipient's Name Betsy Beauchamp Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LA ROCHE AVE Dept./Floor/Suite/Room

City SAVANNAH State GA ZIP 31404

NEW Peel and Stick Feature

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

4a Express Package — Packages up to 150 lbs.

- [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.

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

* Call for Confirmation:

5 Service Type

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

* Declared value limit $500

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

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: 2 Total Weight: 72 Total Declared Value†: $ .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

RETAIN THIS COPY FOR YOUR RECORDS

...IN OF CUSTODY SAMPLER'S SIGNATURE [signature]

Solutia Inc. Contact Name: Kimberly Perry

Sayet IL Project Name: Sayet Area 1

PO#: Bill to Solutia

Phone #: ___/___/___

Total No. of Containers: 13

Analysis Wanted: ① DIOXIN 8280 ② DIOXIN 8290

Date	Time	Comp	Grab	Sample I.D.#	# of Cont.	①	②					Remarks
11/12/99	1250	X		UAS-T2-S4-3-6FT	1	X						
11/12/99	1250	X		UAS-T2-S4-3-6FT-MS/MSD	1	X						
11/12/99	1220	X		UAS-T2-S4-0.5FT	1	X						
11/12/99	1220	X		UAS-T2-S4-0.5FT-MS/MSD	1	X						
11/12/99	1600		X	AA-SW-S3-62-66FT-MSD	2		X					
11/12/99	1145		X	AA-SW-S2-92-96FT	2		X					
11/12/99	1445		X	AA-SW-S3-62-66FT	2		X					
11/12/99	1515		X	AA-SW-S3-62-66FT-MS	2		X					
11/12/99	—			TEMP BLANK	1							

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
[signature]	11/12/99 1800	FedX 8157 4791 9830			
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/DLI REVISION 5/23/94

229A-32

SDA21

FedEx USA Airbill FedEx Tracking Number 8157 4791 9830

Form I.D. No. 0215

1 Please print and press hard

Date 11/12/99 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 23518.030.002
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 PO boxes or PO ZIP codes

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

City DURHAM State NC ZIP 27713

See back for applicable 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 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 — * 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 ___ kg
[ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging

7 Payment Bill to: 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 52 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

SRP 999 · Rev. Date 11/98 · Part #1548135 · © 1994-98 FedEx · PRINTED IN U.S.A.

RETAIN THIS COPY FOR YOUR RECORDS

Serial Number 150352

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	Bill to Solutia

PROJECT LOC. (State): IL
SAMPLER(s) NAME: [illegible]
PHONE: (314) 842-[illegible]
FAX: (314) 842-[illegible]
CLIENT NAME: Solutia
CLIENT PROJECT MANAGER: Kimberly Perry - Solutia
CLIENT ADDRESS (CITY, STATE, ZIP): St. Louis

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: VOC BULK [illegible] / [illegible] / [illegible] / VOCs 8035 / [illegible] / [illegible] / [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	COOL	COOL	COOL								REMARKS
11/15/99	15:50		UAS-T3-S5-0.5 ft		X			1	2	3	1							
11/15/99	13:05		UAS-T3-S7-3-6 ft		X			1	2	3	1							
11/15/99	12:35		UAS-T3-S4-3-6 ft		X			1	2	3	1							
11/15/99	12:45		UAS-T3-S6-3-6 ft		X			1	2	3	1							
11/15/99	12:45		UAS-T3-S5-3-6 ft		X			1	2	3	1							
11/15/99	15:10		UAS-T3-S3-0.5 ft		X			1	2	3	1							
—	—		TEMP BLANK	X				[illegible]										
—	—		TRIP BLANK	X				[illegible]		3								

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			[illegible]	11/15/99	[illegible]			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
			FEDX 8135 1526 7018	11/15/99	[illegible]			

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 7648

Form No. 0215

1 From Please print and press hard

Date 11/15/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name DAVE HAVERDINK 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 23548.040.001

3 To

Recipient's Name BETSY BEAUCHAMP 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.

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	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

SRP 000 • Rev. Date 11/98 • Part # 1840135 • © 1994-98 FedEx • PRINTED IN U.S.A.

RETAIN THIS COPY FOR YOUR RECORDS

229A-35

Serial Number 112312

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	PROJECT NO.	P.O. NUMBER
ANCETTA BUDGET BILL	93548	BILL D SCUTTA

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
IL	ACK, PHILADELPHIA, [illegible]	(314) 842-4550	(314) 842-3260

CLIENT NAME	CLIENT PROJECT MANAGER
ANCETTA	KIMBERLY PERRY SCUTTA

CLIENT ADDRESS (CITY, STATE, ZIP): ST LOUIS

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]	REMARKS
11/15/99	16:30		OAS-T3-52-0.6 ft		X		3	2	1	1		
11/15/99	16:45		OAS-T3-57-0.5 ft		X		3	2	1	1		
11/15/99			OAS-T3-51-0.5 ft		X		3	2	1	1		
11/15/99			OAS-T3-53-0.5 ft-FD		X		3	2	1	1		
—	—		TEMP BLANK	X								
—	—		TRIP BLANK	X			3					

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY (SIGNATURE)	DATE	TIME
[illegible]	11/15		[illegible]	11/15/99	19:00			

RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
[illegible]	11/15/99	8:00	FED X 8155 1736 7094	11/15/99	19:00			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			☐ YES ☐ NO			

229A-36

SDA11

FedEx USA Airbill FedEx Tracking Number 8155 1526 7029

Form ID No. 0215 — Sender's Copy

1 From Please print and press hard

Date 11/15/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name DAVE HAVERDINK 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 23548.040.001

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.

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

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 ____ 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	28	$ .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 000 • Rev. Date 11/96 • Part #1846135 • © 1994-96 FedEx • PRINTED IN U.S.A.

RETAIN THIS COPY FOR YOUR RECORDS

Serial Number 142373

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
P.O. NUMBER: Bill to Solutia
PROJECT LOC. (State): IL
SAMPLER(s) NAME: [illegible]
PHONE: (314) 842-4550
FAX: (314) 842-3266
CLIENT NAME: Solutia
CLIENT PROJECT MANAGER: Kimberly Perry - Solutia
CLIENT ADDRESS (CITY, STATE, ZIP): St Louis

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: VOCs / [illegible] / [illegible] / [illegible] / VOCs [illegible] / Cool / Cool / Cool / Cool

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	[illegible]	[illegible]	[illegible]	VOCs [illegible]						REMARKS
11/15/99	11:15		UAS-T3-S2-0.5ft		X			3	2	1	1							
11/15/99	10:30		UAS-T3-S1-3-6ft		X			3	2	1	1							
11/15/99	12:10		UAS-T3-S3-3-6ft		X			3	2	1	1							
11/15/99	12:10		UAS-T3-S3-3-6ft-FD		X			3	2	1	1							
11/15/99	15:35		UAS-T3-S4-0.5ft		X			3	2	1	1							
11/15/99	16:20		UAS-T3-S6-0.5ft		X			3	2	1	1							
—	—		TEMP BLANK	X														
—	—		TRIP BLANK	X				3										

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY (SIGNATURE)	DATE	TIME
[illegible]	11/15		[illegible]	11/15/99	19:00			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY (SIGNATURE)**	**DATE**	**TIME**
[illegible]	11/15/99	8:00	TLDX 815280023822	11/15/99	19:00			

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 815280[illegible]3822

1 From Please print and press hard

Date 11/15/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name DAVEHAVERDINK Phone (314) 842 4550

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

3 To

Recipient's Name BETSY BEAUCHAMP Phone (912) 354 7850

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 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.

Sender's Co[illegible]

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

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
- [ ] 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	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.

360

Rev. Date 11/98 • Part #154816 • ©1994-98 FedEx • PRINTED IN U.S.A. GDFE 8/99

RETAIN THIS COPY FOR YOUR RECORDS

CHAIN OF CUSTODY

SAMPLER'S SIGNATURE: [illegible] / Karen Thompson

Co. Name: Solutia Inc

Address: Sauget, IL

Contact Name: Kimberly Perry

Project Name: Sauget Area 1

PO#: Bill to Solutia

Phone #: ___/___/___

Total No. of Containers: 7

Analysis Wanted: (1) Dioxin 8290, (2) DIOXIN 8280A

SIA No.	Date	Time	Comp	Grab	Sample I.D.#	No. of Cont.	(1)	(2)					Remarks
	11/15/99	1230		X	MA-SW-S2-0.0-1.0FT	2	X						
	11/15/99	1510	X		UAS-T3-S3-0.5FT	1		X					
	11/15/99	1210	X		UAS-T3-S3-3-6FT	1		X					
	11/15/99	1510	X		UAS-T3-S3-0.5 FT-FD	1		X					
	11/15/99	1210	X		UAS-T3-S3-3-6FT-FD	1		X					
	11/15/99	—			TEMP BLANK	1							

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
[illegible]	11/15/99 1900	FedEx 8157-4791-9704			
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 6/23/94

229A-40

FedEx. USA Airbill FedEx Tracking Number 8157 47[illegible] 1704

Sender's Copy

1 From (Please print and press hard.)

Date 11-15-99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Dave Haverdink 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.) 23548.040.001

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

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)

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] FedEx Box
- [ ] FedEx Tube
- [ ] Other 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
- [ ] 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 21 Total Declared Value $ .00

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

SHIP-Rev. Date 11/98 • Part #150115 • © 1994-98 FedEx • PRINTED IN U.S.A.

RETAIN THIS COPY FOR YOUR RECORDS

CHAIN OF CUSTODY

SAMPLER'S SIGNATURE: [illegible]

Solutia Inc.

St Louis, MO

Contact Name: Kimberly Perry

Project Name: Sauget Area 1

PO#: Bill to Solutia

Phone #: ___/___/___

Total No. of Containers: 5

Analysis Wanted: ① DIOXIN 6280

Date	Time	Comp	Grab	Sample I.D.#	# of Cont.	①						Remarks
11/16/99	0910		X	UAS-T3-S5-0.5FT-EB	2	X						
11/16/99	0930		X	UAS-T3-S7-3-6FT-EB	2	X						
11/16/99	—	—	—	TEMP BLANK	1							

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
[illegible]	11/16/99 1630	FedX 8157 4791 9829			
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/DLI

REVISION 8/23/94

229A-42

FedEx USA Airbill FedEx Tracking Number 8157 4719 9829

Form ID No. 0215

1 From Please print and press hard

Date 11/16/99

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 23518.010.001

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

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 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 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?

[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	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 986 • Rev. Date 11/98 • Part #154813 • © 1994-98 FedEx • PRINTED IN U.S.A.

RETAIN THIS COPY FOR YOUR RECORDS

229A-43

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

☒ 2 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
Sauget Area 1	23548	Bill to Solutia

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE / FAX
IL	D Hauchmaker / VT Thompson	(314) 812-4550 / (314) 842-3266

CLIENT NAME	CLIENT PROJECT MANAGER
Solutia Inc	Kimberley Perry

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	SVOCs (8270C)	PCBs (680)	PFST (8081A)	HERBS (8151A)	METALS (6010B)	MERCURY 7470A	CYANIDE (9010B)				REMARKS
								COOL	COOL	COOL	COOL	COOL HNO3	COOL HNO3	COOL NaOH				
11/16/99	9:10		UAS-T3-S5-0.5A-EB	X				2	2	2	2	1	1	1				
11/16/99	—		TEMP BLANK	X														

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
Caren Thompson	11/16/99	18:30						
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
FED X 8170 9483 3465	11/16/99	18:30						

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* 8170 9423 3465 0215

1 From

Date 11/16/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name DADEN THOMPSON 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 23598 040.001

3 To

Recipient's Name BILLY BEAUCHAMP Phone 912 354-7058

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

8170 9423 3465

0119392773

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

1 [X] FedEx Priority Overnight — Next business morning
5 [ ] FedEx Standard Overnight — Next business afternoon
6 [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
3 [ ] FedEx 2Day* — Second business day
20 [ ] 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.

7 [ ] FedEx 1Day Freight* — Next business day
8 [ ] FedEx 2Day Freight — Second business day
83 [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation

5 Packaging — * Declared value limit $500

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

6 Special Handling

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

Does this shipment contain dangerous goods?

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

Dangerous Goods cannot be shipped in FedEx packaging

7 Payment *Bill to:*

1 [ ] Sender — Acct. No. in Section 1 will be billed
2 [ ] Recipient
3 [ ] Third Party
4 [ ] Credit Card
5 [ ] Cash/Check

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

Total Packages	Total Weight	Total Declared Value†	Total Charges
1	43	$ .00	Credit Card Auth

†Our liability is limited to $100 unless you declare a higher value. See the *FedEx Service Guide* 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

SRP 1099 • Rev. Date 11/98 • Part #154813S • © 1994-98 FedEx • PRINTED IN U.S.A.

FOR FEDEX USE ONLY

229A-45

Serial Number 100011

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	PROJECT NO.	P.O. NUMBER
Solutia Sauget Area I	23518	Pillo Solutia

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
IL	DEHAVERDINK/DATHOMPSON	(314) 842-1550	(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) / SVOCs (8270C) / PCBs (8080) / PESTs (8081A) / HERBS (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	VOCs (8260B) 1oz HCl	SVOCs (8270C) 1oz	PCBs (8080) 1oz	PESTs (8081A) 1oz	HERBS (8151A) 1oz	METALS (6010B) 100 HNO3	MERCURY (7470A) 100 HNO3	CYANIDE (9010B) 100 NaOH			REMARKS
11/16/99	0930		OAS-T3-S7-3-6 FT-EB	X				3	2	2	2	2	1	1	1			
11/16/99	0910		OAS-T3-S5-0.5 FT-EB	X				3										
11/16/99			TEMP BLANK	X														
11/16/99			TRIP BLANK	X				3										

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[illegible]			[illegible]	11/16/99	18:30			

RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS			Fedex 8170 9423 3476	11/16/99	18:30			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS
			☐ YES ☐ NO			

229A-46

FedEx USA Airbill FedEx Tracking Number 8170 9423 3 Form ID No. 0215

1 From

Date 11/16/99 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 23548.010.001

First 24 characters will appear on invoice

3 To

Recipient's Name BETSY BEAUCHAMP Phone (712) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LAROCHE AVE

Dept./Floor/Suite/Room

For 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

0119392773

4a Express Delivery 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 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?

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

Dangerous Goods cannot be shipped in FedEx packaging

7 Total 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 — Service 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

SRD 1199-D, Date 11/98, Part #114615-P 1998 FedEx - PRINTED IN U.S.A.

RETAIN THIS COPY FOR YOUR RECORDS

229A-47

Serial Number 150353

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] Area 1	23548	Bill to Solutia

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE / FAX
IL	D Thompson N Jennings	

CLIENT NAME	CLIENT PROJECT MANAGER
Solutia Inc	Kimberely [illegible]

CLIENT ADDRESS (CITY, STATE, ZIP): St Louis MO

REQUIRED ANALYSES — 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 SEMISOLID	AIR	NONAQUEOUS LIQUID (oil, solvent, etc)	[illegible] (Cool)	[illegible] (Cool)	[illegible] (Cool)	[illegible] (Cool)							REMARKS
11/16/99	15:30		UAS-T4-S6-3-6ft		X			3	2	1	1							
11/16/99	14:15		UAS-T4-S6-0.5ft		X			3	2	1	1							
11/16/99	13:20		UAS-T4-S4-0.5ft		X			3	2	1	1							
11/16/99	11:45		UAS-T4-S3-0.5ft		X			3	2	1	1							
11/16/99	11:30		UAS-T4-S2-0.5ft		X			3	2	1	1							
11/16/99	13:50		UAS-T4-S5-0.5ft		X			3	2	1	1							
11/16/99	11:00		UAS-T4-S1-0.5ft		X			3	2	1	1							
11/16/99	11:45		UAS-T4-S3-0.5ft-MD		X			3	2	1	1							
11/16/99	16:10		UAS-T4-S5-3-6ft		X			3	2	1	1							
—	—		TEMP BLANK	X				3										
—	—		TRIP BLANK	X														

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY (SIGNATURE)	DATE	TIME
			Dawn Thompson	11/16/99	18:30			

RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
			FED X 8170 9423 3487	11/16/99	18:30			

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 817 9423 3487 0215

1 From

Date 11/16/99

Sender's FedEx Account Number 1187-9587-3

Sender's Name CAREN THOMPSON 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 23548 040.001

3 To

Recipient's Name BETSY BEAUCHAMP Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LAROCHE AVE

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.

0119392773

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 $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

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	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

RETAIN THIS COPY FOR YOUR RECORDS

229A-49

[illegible]AIN OF CUSTODY SAMPLER'S SIGNATURE: Darren Thompson

CU Name: Solutia Inc. Contact Name: Kimberly Perry

Address: Sauget, IL Project Name: Sauget Area 1

PO#: Direct Bill to Solutia

Phone #: ___/___/___

Total No. of Containers: 3

Analysis Wanted: ① Dioxin (8280A)

STA No.	Date	Time	Comp	Grab	Sample I.D.#	# of Cont.	①						Remarks
	11/16/99	1100	X		UAS-T4-S1-0.5FT		X						Soil
	11/16/99	1415	X		UAS-T4-S6-0.5FT		X						Soil
	11/16/99	1530	X		UAS-T4-S6-(3-6)FT		X						Soil
					Temp Blank								

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
Darren Thompson	11/16/99	Fed Ex 8157-4791-9715			
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

229A-50

FedEx USA Airbill FedEx Tracking Number 8157 4791 1715 Form ID No. 0215

1 From Please print and press hard

Date 11/16/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name Darren Thompson 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 23548.030.002
First 24 characters will appear on invoice

3 To Recipient's Name Frank STevens Phone (919) 541-5729

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

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 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 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?

[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	16	$ .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

GRC 999 • Rev. Date 11/98 • Part # 1548135 • © 1994-98 FedEx • PRINTED IN U.S.A.

RETAIN THIS COPY FOR YOUR RECORDS

Serial Number 150355

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	PROJECT NO.	P.O. NUMBER
[illegible]	[illegible]	[illegible]

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
IL	[illegible]	314 842-[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	NUMBER OF CONTAINERS SUBMITTED										REMARKS
[illegible]	13:10		OA-T4-51-3-6ft		X			3	2	1	1							
[illegible]	12:15		OA-T4-53-3-6ft		X			3	2	1	1							
[illegible]	[illegible]		OA-T4-52-3-6ft		X			3	2	1	1							
[illegible]	[illegible]		OA-T4-57-3-6ft		X			3	2	1	1							
[illegible]	[illegible]		OA-T4-53-3-6ft-FD		X			3	2	1	1							
[illegible]	10:15		OA-T5-51-0.5ft		X			3	2	1	1							
[illegible]	[illegible]		OA-T1-54-[illegible]6ft		X			3	2	1	1							
[illegible]	[illegible]		OA-T3-53-[illegible]		X			3	2	1	1							
[illegible]	[illegible]		OA-T4-57-[illegible]		X			3	2	1	1							
[illegible]	10:30		OA-T5-52-0.5ft		X			3	2	1	1							
[illegible]			TEMP BLANK	X														
[illegible]			TRIP BLANK	X				3										

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY (SIGNATURE)	DATE	TIME
			[illegible]	[illegible]	[illegible]			

RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
			FEDEX [illegible]	[illegible]	[illegible]			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			☐ YES ☐ NO			

229A-52

FedEx USA Airbill FedEx Tracking Number 81.. 9423 3373 Form I.D. No. 0215

1 From Please print and press hard

Date 11/17/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name DAREN THOMPSON 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 23548.040.001

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 FOOT FOR SHORT 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.

0119392773

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	57	$ .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 #1548135 • © 1994-98 FedEx • PRINTED IN U.S.A.

229A-53

Serial Number 150358

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] Area 1	23518	Bill to Solutia

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE / FAX
IL	[illegible]	(314) 872-9550 / (314) 872-[illegible]

CLIENT NAME	CLIENT PROJECT MANAGER
[illegible] Inc	[illegible]

CLIENT ADDRESS (CITY, STATE, ZIP): [illegible] 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

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	NUMBER OF CONTAINERS SUBMITTED										REMARKS
11/11/99	1600		[illegible]						2	[illegible]	2	1	1	1				
~~11/12/99~~	~~1000~~																	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY (SIGNATURE)	DATE	TIME	RELINQUISHED BY (SIGNATURE)	DATE	TIME
			[illegible]	11/17/[illegible]	[illegible]			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY (SIGNATURE)**	**DATE**	**TIME**
			[illegible] 8120 1423 3340	11/17/99	[illegible]			

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 . 123 3340

Form ID No. 0215

1 From Please print and press hard

Date 11/17/99

Sender's FedEx Account Number 1187-9587-3

Sender's Name DAREN THOMPSON 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 23548.040.001

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

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.

0119392773

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 *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 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?

- [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

SRP 1199 • Rev. Date 11/98 • Part #154813 • © 1994-98 FedEx • PRINTED IN U.S.A.

RETAIN THIS COPY FOR YOUR RECORDS

229A-55

Serial Number 150351

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	PROJECT NO.	P.O. NUMBER
[illegible] Area 1	23598	[illegible]

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE / FAX
IL	[illegible]	[illegible]

CLIENT NAME	CLIENT PROJECT MANAGER
[illegible]	[illegible]

CLIENT ADDRESS (CITY, STATE, ZIP): [illegible]

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	NUMBER OF CONTAINERS SUBMITTED										REMARKS
11/17/[illegible]	[illegible]		UA-[illegible]-EB	X				2	2	2	2	1	1	1	3			
11/17/99	1000		UA-[illegible]-63	X				6							3			

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			[illegible]	11/17/99	2100			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
			FAX 8170 9423 [illegible]	11/17/99	2100			

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 81 9423 3330 Form ID No. 0215

1 From (Please print and press hard)

Date 11/17/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name DAREN THOMPSON 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 23548,040,001

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

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

0119392773

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	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

SDP 1199 • Rev. Date 11/98 • Part # 1548135 • © 1991-98 FedEx • PRINTED IN U.S.A.

RETAIN THIS COPY FOR YOUR RECORDS

Serial Number 150356

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: [illegible] Area 1
PROJECT NO.: 23543
P.O. NUMBER: [illegible]
PROJECT LOC. (State): 11
SAMPLER(s) NAME: [illegible] Thompson [illegible]
PHONE: [illegible]
FAX: [illegible]
CLIENT NAME: [illegible] Inc
CLIENT PROJECT MANAGER: 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: [illegible]

PAGE 1 OF 2

☒ 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
11/17/99	16:30		UAS-T5-S4-3-6ft [illegible]		X			3	2	1	1							
11/17/99	16:30		UAS-T5-S4-3-6ft		X			3	2	1	1							
11/17/99	16:30		UAS-T5-S4-0.5ft		X			3	2	1	1							
11/17/99	16:00		UAS-T5-S6-3-6ft FD		X			3	2	1	1							
11/17/99	[illegible]		UAS-T5-S6-0.5ft FD		X			3	2	1	1							
11/17/99	16:00		UAS-T5-S6-3-6ft		X			3	2	1	1							
11/17/99	[illegible]		UAS-T5-S6-0.5ft		X			3	2	1	1							
11/17/99	15:20		UAS-T5-S5-3-6ft		X			3	2	1	1							
11/17/99	[illegible]		UAS-T5-S5-0.5ft		X			3	2	1	1							
11/17/99	16:30		UAS-T5-S4-0.5ft [illegible]		X			3	2	1	1							
11/17/99	17:40		UAS-T5-S1-3-6ft		X			3	2	1	1							
11/17/99	17:20		UAS-T5-S2-3-6ft		X			3	2	1	1							
11/17/99	17:00		UAS-T5-S3-3-6ft		X			3	2	1	1							

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			Dawn S Thompson	2000	11/17/99			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
			FEDX 8170 9423 3362	2000	11/17/99			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			☐ YES ☐ NO			

Serial Number 50054

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 Area 1

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
	[illegible]	[illegible]

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
IL	[illegible]	[illegible]	[illegible]

CLIENT NAME	CLIENT PROJECT MANAGER
[illegible] Inc	Kimberly [illegible]

CLIENT ADDRESS (CITY, STATE, ZIP): [illegible] IL

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: [illegible]

PAGE 2 OF 6

☒ 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
11/12/99	—	—	TEMP BLANK	X					
11/12/99	—	—	TRIP BLANK	X				3	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY (SIGNATURE)	DATE	TIME	RELINQUISHED BY (SIGNATURE)	DATE	TIME
			[illegible]	[illegible]	[illegible]			

RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
			FEDEX [illegible]	[illegible]	[illegible]			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			☐ YES ☐ NO			

229A-59

FedEx USA Airbill FedEx Tracking Number 8176 9423 3362 0215

1 From Please print and press hard

Date 11/17/99 Sender's FedEx Account Number 1187-9587-3

Sender's Name DAREN THOMPSON 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 23548.040.001

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

[illegible] and Stick [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

0119392773

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	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

SRP 1199 • Rev. Date 11/98 • Part #1548135 • © 1991-98 FedEx • PRINTED IN U.S.A.

RETAIN THIS COPY FOR YOUR RECORDS

CLIENT CHAIN OF CUSTODY | **SAMPLER'S SIGNATURE** David E. Stewart / William E. Wright | **Project/Quote 04998/9900001069**

From (1) Solutia, Inc.
575 Maryville Center Drive
St. Louis, MO 63141

Project (1) Sauget Area 1 Support Sampling

(SOL05 /FMS)

Contact Ms. Kimberly Perry
Phone 314-393-3721
Fax 314-674-8957
P.O.# (1) Direct Bill to Solution

Data to be reported to the state of MO.

Analysis Wanted (2): Dioxin 8290 | Dioxin 8280A

Total Number of Containers: 9

Turn Around Time (In Calendar Days): No

Sample ID (3)	Date / Time	Preservation (4)	Matrix	Sample Amt.	Dioxin 8290	Dioxin 8280A				Remarks
AA-CHL-(22-26FT)-EB (S1)	11/17/99 1505	$Na_2S_2O_3$ cool	water	2, 1 liter	X					
AA SW-SB (96-99)FT-FD	11/17/99 1430	$Na_2S_2O_3$	water	2, 1 liter	X					
UAS-T5-S4-(3-6)FT-MS/MSD	11/17/99 1630	cool	soil	500 ml (1)		X				
UAS-T5-S4-(3-4)FT	11/17/99 1630	cool	soil	500 ml (1)		X				
UAS-T5-S4-0.5FT	11/17/99 1630	cool	soil	500 ml (1)		X				
UAS-T4-S1-(3-6)FT	11/17/99 1310	cool	soil	500 ml (1)		X				
UAS-T5-S4-(0.5)FT-MS/MSD	11/17/99 1630	cool	soil	500 ml (1)		X				

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
William E. Wright	11/17/99 2030	Fed Ex 8157-4791-9792			

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.

FedEx USA Airbill FedEx Tracking Number 815 4791 9792

Form I.D. No. 0215

1 From Please print and press hard

Date 11/17/99 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 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

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	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

SRP 999 - Rev. Date 11/98 - Part # 1548135 - © 1994-98 FedEx - PRINTED IN U.S.A.

RETAIN THIS COPY FOR YOUR RECORDS

Serial Number 50359

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	PROJECT NO.	P.O. NUMBER
Solutia Area 1	23518	Bill to Solutia

PROJECT LOC (State)	SAMPLER(s) NAME	PHONE / FAX
L	A) CORK / DE HAVERDINK	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

PAGE 1 OF

☒ 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	DRY (8080C)	PCB (8080)	PCB (8081A)	HTPB (8151A)	METALS (6010B)	Hg (7470A)	CYANIDE (9010B)						REMARKS
								Cool	Cool	Cool	Cool	Cool HNO3	Cool HNO3	Cool NaOH						
11/18/99	1730		UAS-T6-S3-0.5FT-EB	X				2	2	2	2	1	1	1						
11/18/99	NA		TEMPBLANK	X																

NUMBER OF CONTAINERS SUBMITTED

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			[signature]	11/18/99	1830			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
			Fax 8170 9423 3329	11/18/99	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 8170 9423 3329

Sender's Copy

1 From Please print and press hard.

Date 11/18/99 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 23548.040.001

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.

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	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

0119392773

RETAIN THIS COPY FOR YOUR RECORDS

Owen Thompson

CLIENT CHAIN OF CUSTODY | **SAMPLER'S SIGNATURE** [signature] | **Project/Quote 04998/9900001069**

From (1): Solutia, Inc.
575 Maryville Center Drive
St. Louis, MO 63141

Project (1): Sauget Area 1 Support Sampling

Contact: Ms. Kimberly Perry
Phone: 314-393-3721
Fax: 314-674-8957
P.O.# (1)

(SOL05 /FMS)

Data to be reported to the state of MO.

Analysis Wanted (2): Dioxin (8280A), Dioxin (8290A)

Total Number of Containers: 9

Turn Around Time (In Calendar Days):

Sample ID (3)	Date / Time	Preservation (4)	Matrix	Sample Amt.	Dioxin (8280A)	Dioxin (8290A)				Remarks
UAS-T6-S3-3-6FT	11/18/99 1200	Cool	Soil	1l	X					
UAS-T6-S3-0.5FT	11/18/99 1615	Cool	Soil	1l	X					
UAS-T6-S3-3-6FT-EB	11/18/99 1355	Cool	Water	2l	X					
UAS-T6-S3-0.5FT-EB	11/18/99 1730	Cool	Water	2l	X					
AA-6HL-S2-22-26FT	11/18/99 1550	Cool	Water	2l		X				
TEMP BLANK	11/18/99	Cool	Water							

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
[signature]	11/18/99 1830	Fedx 8157 4791 9807			

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 9807

Sender's Copy

1 From Please print and press hard.

Date 11/18/99 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. 23548.010.001

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

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*
- [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
- [ ] 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 77 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

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

RETAIN THIS COPY FOR YOUR RECORDS

Serial Number 12351

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	PROJECT NO.	P.O. NUMBER
Solutia Sauget Area	23518	Billing Solutia

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
IL	D. THOMPSON/NE JENKINS	(314) 842 1550	(314) 842-3266

CLIENT NAME	CLIENT PROJECT MANAGER
Solutia	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:

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (oil, solvent, etc)	VOCs (8260B)	VOCs (8260B)	SVOCs (8270C)	PESTICIDES/PCBs (8081A/8082)	METALS (6010B/7470A)	VOCs in Air Sample							REMARKS
11/18/99	1210		VAS-T6-S1-3-6FT		X			3	2	1	1									
11/18/99	1220		VAS-T6-S2-3-6FT		X			3	2	1	1									
11/18/99	1200		VAS-T6-S3-3-6FT		X			3	2	1	1									
11/18/99	1130		VAS-T6-S4-3-6FT		X			3	2	1	1									
11/18/99	1110		VAS-T6-S5-3-6FT		X			3	2	1	1									
11/16/99	1520		VAS-T6-S1-0.5FT		X			3	2	1	1									
11/16/99	1535		VAS-T6-S2-0.5FT		X			3	2	1	1									
11/16/99	1615		VAS-T6-S3-0.5FT		X			3	2	1	1									
11/16/99	1600		VAS-T6-S4-0.5FT		X			3	2	1	1									
11/16/99	1635		VAS-T6-S5-0.5FT		X			3	2	1	1									
11/16/99	-		TRIP BLANK 944B	X				3												
11/16/99	-		TEMP BLANK	X																

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY (SIGNATURE)	DATE	TIME	RELINQUISHED BY (SIGNATURE)	DATE	TIME
[signature]	11/19/99		[signature]	11/19/99	1520			

RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
[signature]	11/19/99		Fedex 817092333318	11/19/99	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 8170 9423 3318

Sender's Copy

1 From Please print and press hard

Date 11/18/99 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 23548.040.001

3 To

Recipient's Name BETSY BEAUCHAMP Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LAROCHE 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

0119392773

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	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

SRP 1199 • Rev. Date 11/98 • Part #154813 • © 1994-98 FedEx • PRINTED IN U.S.A.

RETAIN THIS COPY FOR YOUR RECORDS

Serial Number 42352

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	PROJECT NO.	P.O. NUMBER
Solutia Target Area 1	23518	Bill to Solutia

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE / FAX
11	AJ Cork / Jeff Haverdank	(314) 842-4550 / (314) 842-3266

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 — NUMBER OF CONTAINERS SUBMITTED

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	VOCs (5700B)	SVOCs (5700C)	PCBs (1080)	PCBs (8081A)	HBCs (8151A)	MEHGs (6010B)	MSBCs (7470A)	CYANIDE (9012B)			REMARKS
11/18/99	1355		VAS-T6-S3-3-6FT-EB	X				3	2	2	2	2	1	1	1			
11/18/99	1730		VAS-T6-S3-0.5FT-EB					3										
11/18/99			TEMP BLANK	X														
11/18/99			TRIP BLANK	X				3										

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	11/19/99		[signature]	11/19/99	1830			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
[signature]	11/19/99		Tedx #8110 9423 3307	11/19/99	1930			

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 9423 3307

Sender's Copy

1 From *Please print and press hard.*

Date 11/18/99 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. 23548.040.001

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.

0119392773

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	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

SRP 1105 · Rev. Date 11/98 · Part # 1540125 · © 1994-98 FedEx · PRINTED IN U.S.A.

RETAIN THIS COPY FOR YOUR RECORDS

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

100 Alpha Drive, Suite 110, Destrehan, LA 70047 Phone: (504) 764-1100 (504) 725-1163

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Solutia Area 1	23518	P.O. to Solutia

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
IL	NORK / DR Haverbeck	(314) 842-4950	(314) 842 3766

CLIENT NAME	CLIENT PROJECT MANAGER
Solutia Inc.	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) (100) / PCBs (8082) (100) / BTEX (8021A) (100) / TPH (8015A) (100) / METALS (6010B) (100) / Hg (7470A) (100) / Cyanide (9010B) (100)

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	PCBs	BTEX	TPH	METALS	Hg	Cyanide				REMARKS
11/19/93	1700		VAS 17-S6-0.5FT-EB	X				2	2	2	2	1	1	1				
11/19/93	-		TRIP BLANK	X														

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY (SIGNATURE)	DATE	TIME
			[signature]	11/19/93	1630			

RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
			Fedx 8110 9123 3204	11/19/93	1630			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			☐ YES ☐ NO			

SDA12

FedEx USA Airbill

FedEx Tracking Number 8170 9423 3204

Form I.D. No. 0215

1 Please print and press hard

Date 11/19/99

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 First 24 characters will appear on invoice 23548.040.001

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

0119392773

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

- [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 *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 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 # 1518135 • © 1993-98 FedEx • PRINTED IN U.S.A.

RETAIN THIS COPY FOR YOUR RECORDS

229A-72

CLIENT CHAIN OF CUSTODY SAMPLER'S SIGNATURE [signature] Project/Quote 04998/990000105[illegible]

From (1): Solutia, Inc.
575 Maryville Center Drive
St. Louis, MO 63141
Project (1): Sauget Area 1 Support Sampling
(SOL05 /FMS)

Contact: Ms. Kimberly Perry
Phone: 314-393-3721
Fax: 314-674-8957
P.O.# (1): _____

Data to be reported to the state of MO.

Analysis Wanted (2): DIOXIN (GREEN)

Total Number of Containers: 5

Turn Around Time (In Calendar Days)

Sample ID (3)	Date / Time	Preservation (4)	Matrix	Sample Amt.	DIOXIN (GREEN)					Remarks
[illegible]-T7-S3-0.5FT	11/19/99 1510	Cool	Soil	1l	X					
[illegible]-T7-S3-3-6FT	11/19/99 1510	Cool	Soil	1l	X					
[illegible]-T7-S3-0.5FT-FD	11/19/99 1510	Cool	Soil	1l	X					
[illegible]-T7-S3-3-6FT-FD	11/19/99 1510	Cool	Soil	1l	X					
TEMP BLANK	11/19/99	Cool	Water							

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
[signature]	11/19/99 18:30	Fedx 8157 4791 9818			

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 9818

Form ID No. 0215

1 Please print and press hard.

Date 11/19/99

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

First 24 characters will appear on invoice 23548.040.001

2 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

See back for application conditions

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 **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 ____ kg

Dangerous Goods cannot be shipped in FedEx packaging

[ ] Cargo Aircraft Only

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	18	$ .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

SRP 999 • Rev. Date 11/98 • Part #1548135 • © 1994-98 FedEx • PRINTED IN U.S.A.

RETAIN THIS COPY FOR YOUR RECORDS

229A-74

Serial Number [illegible]

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: [illegible] Sound Area
PROJECT NO.: 23[illegible]8
P.O. NUMBER: [illegible]
PROJECT LOC. (State): 11
SAMPLER(s) NAME: D[illegible]THOMPSON / NE JENKINS
PHONE: (314) 8[illegible]
FAX: (314) 8[illegible] 3266
CLIENT NAME: [illegible]
CLIENT PROJECT MANAGER: [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: VOC [illegible] / VOC [illegible] / [illegible] / [illegible] / [illegible] / VOC [illegible]

NUMBER OF CONTAINERS SUBMITTED

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	VOC [illegible]	VOC [illegible]	[illegible]	[illegible]	VOC [illegible]						REMARKS
11/19/99	1110		UAS-T7-S1-0.5FT		X			[illegible]	3	2	1	1						
11/19/99	1120		UAS-T7-S1-3-6FT		X			[illegible]	3	2	1	1						
11/19/99	1150		UAS-T7-S2-0.5FT		X			[illegible]	3	2	1	1						
11/19/99	1150		UAS-T7-S2-3-6FT		X			[illegible]	3	2	1	1						
11/19/99	1510		UAS-T7-S3-0.5FT		X				3	2	1	1						
11/19/99	1510		UAS-T7-S3-3-6FT		X				3	2	1	1						
11/19/99	1510		UAS-T7-S3-0.5FT-FD		X				3	2	1	1						
11/19/99	1510		UAS-T7-S3-3-6FT-FD		X				3	2	1	1						
11/19/99	1220		UAS-T7-S4-0.5FT		X				3	2	1	1						
11/19/99	1220		UAS-T7-S4-3-6FT		X				3	2	1	1						
11/19/99	-		TRIP BLANK	X				3										
11/19/99	-		TEMP BLANK	X														

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			[illegible]	11/19/99	1830			

RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
			Fedx 8170 9423 3248	11/19/99	1830			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			☐ YES ☐ NO			

229A-75

5DA12

FedEx USA Airbill FedEx Tracking Number 8170 9423 3248 Form 0215

1 Please print and press hard

Date 11/19/99 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 First 24 characters will appear on invoice 23548.040.001

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.

0119392773

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

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

* Declared value limit $500

6

- [X] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day at 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 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	54	$ .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

SRP 1199-Rev. Date 11/98-Part #153811-© 1994-98 FedEx-PRINTED IN U.S.A.

RETAIN THIS COPY FOR YOUR RECORDS

229A-76

Serial Number 00135

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
- [ ] 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 Target Area 1	23818	Bill to Solution

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE / FAX
IL	[illegible]	PHONE (314) 842 4550 / FAX (314) 842 3266

CLIENT NAME	CLIENT PROJECT MANAGER
Solution	Kimberly Perry Solution

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	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	REMARKS
11/1/99	1640		JAS-T7-SG-3-6FT-EB	X				2	2	2	2	1	1	1				
11/1/99			TEMP BLANK	X														

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			[signature]	11/1/99	1830			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
			Fedx 8170 9423 3215	11/19/99	1830			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			[ ] YES [ ] NO			

229A-77

5UA12

FedEx USA Airbill FedEx Tracking Number 8170 9423 3215 0215

1 Please print and press hard

Date 11/19/99 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 First 24 characters will appear on invoice 23546.040.001

3 To Recipient's Name BETSY BEAUCHAMP Phone (912) 354-7858

Company SAVANNAH LABORATORIES

Address 5102 LAROCHE 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 applicable charges

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

0119392773

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

- [X] Saturday Delivery — Available for FedEx Priority Overnight and FedEx 2Day at 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 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 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

SHP 1199 • Rev. Date 11/98 • Part #151815 • © 1994-98 FedEx • PRINTED IN U.S.A.

RETAIN THIS COPY FOR YOUR RECORDS

229A-78

Serial Number 50415

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 Sewer Area 1
PROJECT NO.: 23518
P.O. NUMBER: Bill to Solutia
PROJECT LOC. (State): IL
SAMPLER(s) NAME: [illegible]
PHONE: (314) 842-4550
FAX: (314) 842-3266
CLIENT NAME: Solutia Inc
CLIENT PROJECT MANAGER: [illegible]
CLIENT ADDRESS (CITY, STATE, ZIP): St Louis.

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	NUMBER OF CONTAINERS SUBMITTED										REMARKS
11/19/99	1245		UAS T7-S5-0.5FT		X				3	2	1	1						
11/19/99	1245		UAS T7-S5-3-6FT		X				3	2	1	1						
11/19/99	1245		UAS T7-S5-0.5FT-MS/MSD		X				3	2	1	1						
11/19/99	1245		UAS T7-S5-3-6FT-MS/MSD		X				3	2	1	1						
11/19/99	1310		UAS T7-S6-0.5FT		X				3	2	1	1						
11/19/99	1310		UAS T7-S6-3-6FT		X				3	2	1	1						
11/19/99	[illegible]		UAS T7-S7-0.5FT		X				3	2	1	1						
11/19/99	[illegible]		UAS T7-S7-3-6FT		X				3	2	1	1						
11/19/99	[illegible]		UAS-T7-S6-0.5FT-EB	X				3										
11/19/99	1640		UAS T7-S6-3-6FT-EB	X				3										
11/19/99	-		TRIP BLANK	X				3										
11/19/99	-		TEMP BLANK	X														

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY (SIGNATURE)	DATE	TIME	RELINQUISHED BY (SIGNATURE)	DATE	TIME
			[illegible]	11/19/99	1830			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY (SIGNATURE)**	**DATE**	**TIME**
			Fedx 8170 9423 3237	11/19/99	1830			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			☐ YES ☐ NO			

SUMIZ

FedEx USA Airbill FedEx Tracking Number 8170 9423 3237

Form I.D. No. 0215

1 Please print and press hard

Date 11/19/99

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 23518.040.001

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

[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

0119392773

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 Service

* 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 ___ 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	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

SRP 1199 • Rev. Date 11/98 • Part # 1548135 • © 1994-98 FedEx • PRINTED IN U.S.A.

RETAIN THIS COPY FOR YOUR RECORDS

229A-80

Section 3.18

3.18. Developed Area Soil Sampling

3.18.1. Rationale/Design

Surface Sampling – Surface soil samples (0 to 0.5 foot below ground surface) were collected in 20 locations in developed areas. Soil samples were collected at three residences adjacent to Transects 1 to 6 and at two residences adjacent to Transect 7. In addition to chemical analysis of the surface soils, a change order was approved for soil physical analysis. (See Section 3.18.4.1 for the change order and Section 3.18.4.3 for physical analysis data results.)

Number of Developed Area Surface Soil Samples	20

Analyses:

Bulk Density	USCOE Method EM 1110-2-1906, Appendix II
Cyanide	USEPA Method 9010B
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	ASTM Method D854
SVOCs	USEPA Method 8270C
VOCs	USEPA Method 5035/8260B

Sampling locations were selected in the field with the concurrence of USEPA Region V or its designee.

Subsurface Sampling – Subsurface soil samples (three to six feet below ground surface) were collected in 20 locations in developed areas. Soil samples were collected at three residences adjacent to Transects 1 to 6 and at two residences adjacent to Transect 7. Visual observation (discoloration) and field PID readings were recorded for the samples. Surface and subsurface soil sampling stations were co-located. VOC samples were collected using EnCore™ samplers per USEPA Method 5035.

Number of Developed Area Subsurface Soil Samples	20

Analyses:

Cyanide	USEPA Method 9010B
Herbicides	USEPA Method 8151A
Mercury	USEPA Method 7471A
Metals	USEPA Method 6010B
PCBs	USEPA Method 680
Pesticides	USEPA Method 8081A
SVOCs	USEPA Method 8270C
VOCs	USEPA Method 5035/8260B

Sampling locations were selected in the field with the concurrence of USEPA Region V or its designee.

Dioxin Sampling – As requested by USEPA Region V, 100% of the surface soil samples were analyzed for dioxin (deviation log presented in Section 3.18.4.1). To provide information for the HHRA (construction/utility worker exposure), USEPA Region V directed that 20% of the subsurface soil samples be analyzed for dioxin.

Number of Developed Area Surface Soil Dioxin Samples	20
Number of Developed Area Subsurface Soil Dioxin Samples	4

Analyses:

Dioxin	USEPA Method 8280A

Sampling locations were selected in the field with the concurrence of USEPA Region V or its designee. One sample location was changed in the field at the request of the USEPA Region V Remedial Project Manager.

3.18.2. 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.

3.18.3. Field Procedures

Prior to performing field work, a Preparatory Inspection Meeting attended by a representative of each of the interested parties was held (Section 3.18.4.2).

Field procedures for collection of surface and subsurface soil samples in developed areas followed the procedures for collection of surface and subsurface soil samples in undeveloped areas as described in Section 3.17.3, except for the following differences:

- Sealable, disposable plastic bags (versus bowls) were used to homogenize the developed area soil samples.

- Direct push technology using a MacroCore® sampler with clear acetate liners was used for collection of all (versus some) developed area subsurface soil samples.

3.18.4. Documentation

The change order for geotechnical physical analysis and the deviation for 100% dioxin analysis of surface samples are included in Section 3.18.4.1. Field logs generated are included in Record Book Nos. 3 and 4 (Appendix D). Figure 2 depicts developed area soil sample locations. The Thompson Engineering reports for soil physical analysis are included in Section 3.18.4.3. Chain-of-custody forms are included in Section 3.18.4.4.

Documentation for this task continues on the next page.

3.18.4.1. Change Orders and Deviation/Clarification Log

cc Yane
Bradley
Beauchamp
→ Cork Pil
Weston Pil

2

PROJECT CHANGE ORDER

O'BRIEN & GERE ENGINEERS, INC.
PROJECT NAME: Solutia Sauget Area 1

PCO 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

SUBMITTED TO Kimberly Perry COMPANY Solutia Inc
SUBMITTED BY Alan Cork COMPANY O'Brien & Gere Engineers, Inc
INITIAL DATE 9/23/99 REQUIRED DATE 9/27/99
DAYS REQUESTED _____ AMOUNT REQUESTED $[redacted]

CHANGE 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

Note

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 REVERS

TLOUIS\DIVISION\ADMIN\1999\PCORQUST.WPD

DEVIATION LOG

INDIVIDUAL REQUESTING DEVIATION / COMPANY: DE Haverdink / O'Brien + Gere

DATE 04 APR 00

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

PROJECT NAME Solutia - Sauget Area 1

PROJECT LOCATION Developed area soil samp.

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) Developed area soil sampling

(2) FSP # 5.18.3

(3) USEPA comment on the Developed Area Soil Sampling Plan

(4) Collect samples for dioxin analyses (SW 8280A) from 100% of the surface soil sample locations (instead of 20%)

(5) Sampling spoons, composite containers, PAE, sample containers

(6) Potential increase in labor hours ~~and~~ for preparation, sampling, packing, and shipping; increase in shipping costs

(7) None

cc: K. Perry 04 APR 00
USEPA @ 1830

DE Haverdink / DE Haverdink
PRINTED NAME / SIGNATURE OF PREPARER

Kimberly Perry / Kimberly Perry 4/5/00
PRINTED NAME / SIGNATURE OF SOLUTIA REP / DATE

04 APR 00
DATE

PRINTED NAME / SIGNATURE OF USEPA REP / DATE

IF ADDITIONAL SPACE IS REQUIRED, RECORD ON REVERSE SIDE

3.18.4.2. Preparatory Inspection Meeting Forms

PREPARATORY INSPECTION MEETING

Conducted by/Company: DE Haversdink / O'Brien + Gere **Date:** 18 Apr 00
Project Name: Solutia - Sanget Areal **Task:** Developed area soil sampling

1. Scheduled Work:	see below
2. Equipment, Procedures, Personnel:	" "
3. Ref. To App. Sec. of FSP/HASP:	FSP # 5.18 HASP # 2.8
4. Issues that could arise and how to resolve:	see below
5. Solutia comments:	" "
6. EPA comments:	" "

① Collection of soil samples in developed areas

② Equip.: stainless steel sampling spoons + hand augers, shovel, samp. containers, direct push soil sampler + equip., PPE, PID

Procedures: Collect soil samples @ addresses on attached sheet; sample @ low areas in yards where feasible; use shovel to remove sod from surface + lay it aside, sample surface soil 0-0.5 FT w/ spoon + composite for non-VOC anal., collect VOC samp. using EnCore; use direct push sampler (MacroCore) to collect subsurface sample 3-6 FT, collect VOC sample @ 3FT, composite remainder, use PID to screen 3-6 FT interval + record; use hand auger if direct push not feasible; restore subsurface w/ bentonite + surface w/ topsoil, replace sod; disp. samples collected @ 100% of surface locations + 20% of subsurface locations; samp. personnel to attempt notification of residents prior to sampling, carry copies of access letters, and place letters in door/mailbox upon sample completion; see clarification log dated 11-10-99 regarding subsurface sampling; see deviation log dated 4-4-00 regarding disp. samp.

OVER →

ATTENDANCE:

EMPLOYEE NAME (print)	EMPLOYEE SIGNATURE	COMPANY
Kimberly Perry	[signature]	Solutia
KEN LAFFERTY	[signature]	MAVERICK
Nick Jankus	[signature]	OBG
Jim Iedesco	[signature]	OBG
CHUCK HARRISS	[signature]	HARRISS DRILLING

cc: K. Perry 18 Apr 00
USEPA @ 1900

IF ADDITONAL SPACE IS REQUIRED, RECORD ON REVERSE SIDE

DE Haversdink / [signature]
PRINTED NAME/ SIGNATURE OF PREPARER

18 Apr 00
DATE

(2) (continued)

Personnel : OBG → soil samp. + restoration
Harris → direct push operation
Zambrano → survey / GPS

(3) see above

(4)
- refusal or insufficient samp. volume → resolve by collecting additional volume @ adjacent location from appropriate interval
- utilities marked close to staked samp. location (or other physical obstruction) → resolve by moving sample location away from obstruction

(5)
- collected composite will be on ice until placed into containers (@ shed, w/ provisions collect sp. 7 age)
- physical parameters collected in addition to chemical parameters for surface samples
- pre probe to 3' w/ direct push sampling, then collect sample from 3-6 ft bg

(6) none

Develope[illegible] Soil Sampling

Parcel No.	Owner Name	Address	City	State	Zip	Telephone	Property Address	ID	Tenant Information
01-35.0-202-016	LAUMAN, ALBERT (letter sent 4/7/00; verbal approval 4/12))	2123 NW 118 TERRACE	OKLAHOMA CITY	OK	73120	405-749-0523	105 JUDITH LANE*	T1-A	Towler, Cindy (618-332-7440); approved 4/12
01-35.0-202-041/2	LEWIS, LARRY	113 JUDITH LANE	CAHOKIA	IL	62206	618-337-4751	113 JUDITH LANE*	T1-C	signed agreement 4/11
01-35.0-203-001	WRIGHT, ROBERT	100 JUDITH LANE	CAHOKIA	IL	62206	618-337-1025	100 JUDITH LANE*	T1-D	signed agreement 4/11
01-35.0-201-008	WILKENSEN, LLOYD L	103 WALNUT ST	CAHOKIA	IL	62206	618-337-4460	103 WALNUT ST*	T2-A	signed agreement 4/12
01-35.0-201-010	CARTER, ALAN	107 WALNUT ST	CAHOKIA	IL	62206	618-332-0202 (b)618-583-0661	107 WALNUT ST*	T2-B	signed agreement 4/12
01-35.0-201-011	VANDEVER, DEBORAH	109 WALNUT ST	CAHOKIA	IL	62206	618-332-2360 (w)314-658-1929	109 WALNUT ST*	T2-C	signed agreement 4/13
01-35.0-103-005	CROSSIN, DANNY R & BECKY A	19 DAVID ST	CAHOKIA	IL	62206	618-337-9296	19 DAVID ST*	T3-B	signed agreement 4/11
01-35.0-103-016	SCHMIDT, LELA	61 DAVID ST	CAHOKIA	IL	62206	618-337-1459	61 DAVID ST*	T3-C	signed agreement 4/11
01-35.0-106-003	SHEPARD, LOUIS & PAULYNE	3325 BARBER ST	CAHOKIA	IL	62206	618-337-3943	3325 BARBER ST*	T3-D	signed agreement 4/11
01-35.0-205-005	PRICE, LARRY & SHARON	109 EDWARD ST	CAHOKIA	IL	62206	618-337-1263 (w)314-466-8149	109 EDWARD ST*	T4-A	signed agreement 4/12
01-35.0-205-007	NELSON, PEGGY	117 EDWARD	CAHOKIA	IL	62206	618-337-6194	117 EDWARD ST*	T4-B	signed agreement 4/12
01-35.0-205-009	BLASDEL, BILL W & IRENE	125 EDWARD	CAHOKIA	IL	62206	618-337-7249	125 EDWARD ST	T4-C	signed agreement 4/13
01-35.0-105-007	GODDARD, FRANKLIN	12 SCHOOL ST	CAHOKIA	IL	62206		12 SCHOOL ST (alt)	T5-B	
01-35.0-105-031	BEASLEY, WOODROW & MAXINE	3420 BARBER ST	CAHOKIA	IL	62206	618-337-6186	3420 BARBER ST*	T5-D	signed agreement 4/11
01-35.0-106-012	OESTRICKER, RONALD F & DEBORAH	3415 BARBER ST	CAHOKIA	IL	62206	618-337-9839	3415 BARBER ST*	T5-E	signed agreement 4/11
01-35.0-309-001	THOMAS, BILLY E & TERRY C	32 KINDER ST	CAHOKIA	IL	62206	618-337-3878	100 KINDER ST*	T6-A	signed agreement 4/14
01-35.0-309-016	DALLAS, SUE	1312 JULIE St	CAHOKIA	IL	62206	618-337-8346	105 JEROME LN*	T6-D	6-unit apartment; owner signed agreement 4/13
01-35.0-310-006	CROCKETT, MICHAEL & LINDA	3 LITTLE ESTATES	CAHOKIA	IL	62206	618-332-6890	100 JEROME LN*	T6-E	vacant; signed agreement 4/13
01-35.0-305-037	ILLINOIS QUAIL RUN L.L.C.	6 VISTA BROOK	ST LOUIS	MO	63124		17 CIRCLE CREEK DR*	T7-C	Annette Foster
01-35.0-305-037	ILLINOIS QUAIL RUN L.L.C.	6 VISTA BROOK	ST LOUIS	MO	63124	618-337-7139	18 CIRCLE CREEK DR*	T7-D	Jerry Harris approved 4/12

237A-3

11086

3.18.4.3. Thompson Engineering Report

Thompson Engineering

LETTER OF TRANSMITTAL

To: O'Brien & Gere Engineers, Inc.	Date: 06/22/00	Job No. 1999-00-0774
5000 Cedar Plaza Pkwy. Suite	Re: Solutia Sauget Area 1 Project	
St. Louis, MO 63128		
Attention: Mr. Bill Wright		

We Are Sending You X Attached _ Under Separate cover via ___ the following items

COPIES	DATE	NO.	DESCRIPTION
1	06/22/00	20	Specific Gravity of Soils (ASTM D 854)
1	06/22/00	20	Unit Weight and Moisture Content - USCOE EM 1110-2-1906 Appendix II (Volumetric Method)
1	04/24/00	2	Chain of Custody

These are Transmitted as checked below

__ For approval __ For your use X As requested __ For review and comment

Remarks Thompson Engineering Testing, Inc. appreciates the opportunity to be of continued service to O'Brien & Gere Engineers, Inc. If there are any questions regarding this submittal, please feel free to call.

B. Dwayne Smith
Project Engineer
Alabama Registration No. 22779

Dale Nobles
Materials Laboratory Manager

239A-1

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JUNE 6, 2000 JOB #: 1999-00-0774

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

SAMPLE IDENTIFICATION: DAS-T1-S1-0-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 5/22/00	TESTED: L. BAXLEY

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

(A) WEIGHT OF PYCNOMETER (g):	171.90	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	257.76	
(C) WEIGHT OF SAMPLE (g):	85.86	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	670.64	
(E) TEMP. OF PYCNOMETER AND WATER (C):	20.4	
(F) DENSITY OF WATER @ T1(g/ml):	0.998149	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	723.48	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	20.4	
(I) DENSITY OF WATER @ T2 (g/ml):	0.998149	

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

(Gs @ T1)= C/((C+(D-G)):	2.600	
CORRECTION FACTOR (K):	0.999915	
(Gs @ 20 C =(Gs @ T1)*K:)	2.600	

SPECIFIC GRAVITY:	**2.600**

Leroy Baxley
MATERIALS ENGINEERING LABORATORY

239A-2

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

Thompson Engineering

JUNE 20, 2000

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

JOB #: 1999.00.0774
LAB #: 4163

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

SAMPLE IDENTIFICATION: DAS-T1-S1-0-0.5FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 05/20/00	TESTED: 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):	1645.7
(f): MASS OF DRY SPECIMEN (g):	1430.3
(g): MASS OF CONTAINER (g):	159.50
(h): MASS OF CONTAINER & WET SPECIMEN (g):	377.20
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	348.70
(j): MASS OF WATER (g):	28.50
(k): MASS OF DRY SPECIMEN (g):	189.20
(l): WATER CONTENT (%):	**15.06**
(m): WET DENSITY (PCF):	**108.79**
(n): DRY DENSITY (PCF):	**94.55**
(o): SPECIFIC GRAVITY (Gavg):	2.600
(p): VOLUME OF SOLIDS (cc):	550.10
(q): VOID RATIO:	**0.72**
(r): DEGREE OF SATURATION (%):	54.70
(s): POROSITY (%):	**41.72**

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

THOMPSON ENGINEERING TESTING, INC.

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JUNE 6, 2000 JOB #: 1999-00-0774

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

SAMPLE IDENTIFICATION: DAS-T1-S2-0-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 5/22/00	TESTED: L. BAXLEY

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

(A) WEIGHT OF PYCNOMETER (g):	174.47	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	245.88	
(C) WEIGHT OF SAMPLE (g):	71.41	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	673.40	
(E) TEMP. OF PYCNOMETER AND WATER (C):	20.0	
(F) DENSITY OF WATER @ T1(g/ml):	0.998234	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	717.26	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	20.0	
(I) DENSITY OF WATER @ T2 (g/ml):	0.998234	

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

(Gs @ T1)= C/((C+(D-G)):	2.592	
CORRECTION FACTOR (K):	1.000000	
(Gs @ 20 C =(Gs @ T1)*K:)	2.592	

SPECIFIC GRAVITY:	2.592

Leroy Baxley
MATERIALS ENGINEERING LABORATORY

239A-4

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

Thompson Engineering

JUNE 20, 2000

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 4160

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

SAMPLE IDENTIFICATION: DAS-T1-S2-0-0.5FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 05/20/00	TESTED: 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):	1732.5
(f): MASS OF DRY SPECIMEN (g):	1511.4
g): MASS OF CONTAINER (g):	145.60
(h): MASS OF CONTAINER & WET SPECIMEN (g):	386.20
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	355.50
(j): MASS OF WATER (g):	30.70
(k): MASS OF DRY SPECIMEN (g):	209.90
(l): WATER CONTENT (%):	**14.63**
(m): WET DENSITY (PCF):	**114.53**
(n): DRY DENSITY (PCF):	**99.91**
(o): SPECIFIC GRAVITY (Gavg):	2.592
(p): VOLUME OF SOLIDS (cc):	583.12
(q): VOID RATIO:	**0.62**
(r): DEGREE OF SATURATION (%):	61.26
(s): POROSITY (%):	**38.23**

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

THOMPSON ENGINEERING TESTING, INC.

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JUNE 6, 2000 JOB #: 1999-00-0774

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

SAMPLE IDENTIFICATION: DAS-T1-S3-0-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 5/22/00	TESTED: L. BAXLEY

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

(A) WEIGHT OF PYCNOMETER (g):	168.56	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	257.67	
(C) WEIGHT OF SAMPLE (g):	89.11	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	667.52	
(E) TEMP. OF PYCNOMETER AND WATER (C):	20.2	
(F) DENSITY OF WATER @ T1(g/ml):	0.998192	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	722.31	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	20.2	
(I) DENSITY OF WATER @ T2 (g/ml):	0.998192	

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

(Gs @ T1)= C/((C+(D-G)):	2.596	
CORRECTION FACTOR (K):	0.999958	
(Gs @ 20 C =(Gs @ T1)*K:)	2.596	

SPECIFIC GRAVITY:	2.596

Leroy Baxley
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

JUNE 20, 2000

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

JOB #: 1999.00.0774
LAB #: 4166

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

SAMPLE IDENTIFICATION: DAS-T1-S3-0-0.5FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 05/20/00	TESTED: 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):	1877.7
(f): MASS OF DRY SPECIMEN (g):	1581.0
'g): MASS OF CONTAINER (g):	164.00
(h): MASS OF CONTAINER & WET SPECIMEN (g):	377.90
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	344.10
(j): MASS OF WATER (g):	33.80
(k): MASS OF DRY SPECIMEN (g):	180.10
(l): WATER CONTENT (%):	**18.77**
(m): WET DENSITY (PCF):	**124.12**
(n): DRY DENSITY (PCF):	**104.51**
(o): SPECIFIC GRAVITY (Gavg):	2.596
(p): VOLUME OF SOLIDS (cc):	609.01
(q): VOID RATIO:	**0.55**
(r): DEGREE OF SATURATION (%):	88.58
(s): POROSITY (%):	**35.48**

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
THOMPSON ENGINEERING TESTING, INC.

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JUNE 6, 2000 JOB #: 1999-00-0774

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

SAMPLE IDENTIFICATION: DAS-T2-S1-0-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 5/22/00	TESTED: L. BAXLEY

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

(A) WEIGHT OF PYCNOMETER (g):	178.68	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	226.18	
(C) WEIGHT OF SAMPLE (g):	47.50	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	677.20	
(E) TEMP. OF PYCNOMETER AND WATER (C):	20.3	
(F) DENSITY OF WATER @ T1(g/ml):	0.998170	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	706.45	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	20.3	
(I) DENSITY OF WATER @ T2 (g/ml):	0.998170	

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

(Gs @ T1)= C/((C+(D-G)):	2.603	
CORRECTION FACTOR (K):	0.999936	
(Gs @ 20 C =(Gs @ T1)*K:)	2.603	

SPECIFIC GRAVITY:	**2.603**

Leroy Baxley
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

JUNE 20, 2000

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

JOB #: 1999.00.0774
LAB #: 4162

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

SAMPLE IDENTIFICATION: DAS-T2-S1-0-0.5FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 05/20/00	TESTED: 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):	1772.1
(f): MASS OF DRY SPECIMEN (g):	1505.7
(g): MASS OF CONTAINER (g):	160.50
(h): MASS OF CONTAINER & WET SPECIMEN (g):	367.40
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	336.30
(j): MASS OF WATER (g):	31.10
(k): MASS OF DRY SPECIMEN (g):	175.80
(l): WATER CONTENT (%):	**17.69**
(m): WET DENSITY (PCF):	**117.14**
(n): DRY DENSITY (PCF):	**99.53**
(o): SPECIFIC GRAVITY (Gavg):	2.603
(p): VOLUME OF SOLIDS (cc):	578.46
(q): VOID RATIO:	**0.63**
(r): DEGREE OF SATURATION (%):	72.88
(s): POROSITY (%):	**38.72**

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

THOMPSON ENGINEERING TESTING, INC.

239A-9

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JUNE 6, 2000 JOB #: 1999-00-0774

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

SAMPLE IDENTIFICATION: DAS-T2-S2-0-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 5/22/00	TESTED: L. BAXLEY

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

(A) WEIGHT OF PYCNOMETER (g):	169.50	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	229.61	
(C) WEIGHT OF SAMPLE (g):	60.11	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	668.20	
(E) TEMP. OF PYCNOMETER AND WATER (C):	19.8	
(F) DENSITY OF WATER @ T1(g/ml):	0.998273	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	704.65	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	19.8	
(I) DENSITY OF WATER @ T2 (g/ml):	0.998273	

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

(Gs @ T1)= C/((C+(D-G)):	2.541	
CORRECTION FACTOR (K):	1.000039	
(Gs @ 20 C =(Gs @ T1)*K:)	2.541	

SPECIFIC GRAVITY:	2.541

Leroy Baxley
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

JUNE 20, 2000

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

JOB #: 1999.00.0774
LAB #: 4168

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

SAMPLE IDENTIFICATION: DAS-T2-S2-0-0.5FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 05/20/00	TESTED: 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):	1501.9
(f): MASS OF DRY SPECIMEN (g):	1290.5
(g): MASS OF CONTAINER (g):	170.40
(h): MASS OF CONTAINER & WET SPECIMEN (g):	325.30
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	303.50
(j): MASS OF WATER (g):	21.80
(k): MASS OF DRY SPECIMEN (g):	133.10
(l): WATER CONTENT (%):	**16.38**
(m): WET DENSITY (PCF):	**99.28**
(n): DRY DENSITY (PCF):	**85.31**
(o): SPECIFIC GRAVITY (Gavg):	2.541
(p): VOLUME OF SOLIDS (cc):	507.88
(q): VOID RATIO:	**0.86**
(r): DEGREE OF SATURATION (%):	48.47
(s): POROSITY (%):	**46.20**

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

THOMPSON ENGINEERING TESTING, INC.

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JUNE 6, 2000 JOB #: 1999-00-0774

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

SAMPLE IDENTIFICATION: DAS-T2-S3-0-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 5/22/00	TESTED: L. BAXLEY

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

(A) WEIGHT OF PYCNOMETER (g):	178.53	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	239.93	
(C) WEIGHT OF SAMPLE (g):	61.40	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	677.08	
E) TEMP. OF PYCNOMETER AND WATER (C):	20.8	
(F) DENSITY OF WATER @ T1(g/ml):	0.998064	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	714.60	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	20.8	
(I) DENSITY OF WATER @ T2 (g/ml):	0.998064	

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

(Gs @ T1)= C/((C+(D-G)):	2.571	
CORRECTION FACTOR (K):	0.999830	
(Gs @ 20 C =(Gs @ T1)*K:)	2.571	

SPECIFIC GRAVITY:	2.571

Leroy Baxley
MATERIALS ENGINEERING LABORATORY

239A-12

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

Thompson Engineering

JUNE 20, 2000

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 4164

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

SAMPLE IDENTIFICATION: DAS-T2-S3-0-0.5FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 05/20/00	TESTED: 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):	1682.6
(f): MASS OF DRY SPECIMEN (g):	1244.6
(g): MASS OF CONTAINER (g):	156.10
(h): MASS OF CONTAINER & WET SPECIMEN (g):	376.20
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	318.90
(j): MASS OF WATER (g):	57.30
(k): MASS OF DRY SPECIMEN (g):	162.80
(l): WATER CONTENT (%):	**35.20**
(m): WET DENSITY (PCF):	**111.23**
(n): DRY DENSITY (PCF):	**82.27**
(o): SPECIFIC GRAVITY (Gavg):	2.571
(p): VOLUME OF SOLIDS (cc):	484.08
(q): VOID RATIO:	**0.95**
(r): DEGREE OF SATURATION (%):	95.25
(s): POROSITY (%):	**48.72**

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

THOMPSON ENGINEERING TESTING, INC.

239A-13

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JUNE 6, 2000 JOB #: 1999-00-0774

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

SAMPLE IDENTIFICATION: DAS-T3-S1-0-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 5/22/00	TESTED: L. BAXLEY

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

(A) WEIGHT OF PYCNOMETER (g):	172.62	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	252.16	
(C) WEIGHT OF SAMPLE (g):	79.54	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	671.32	
(E) TEMP. OF PYCNOMETER AND WATER (C):	20.5	
(F) DENSITY OF WATER @ T1(g/ml):	0.998128	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	720.45	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	20.5	
(I) DENSITY OF WATER @ T2 (g/ml):	0.998128	

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

(Gs @ T1)= C/((C+(D-G)):	2.616	
CORRECTION FACTOR (K):	0.999894	
(Gs @ 20 C =(Gs @ T1)*K:)	2.615	

SPECIFIC GRAVITY:	2.615

Leroy Baxley
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

JUNE 20, 2000

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

JOB #: 1999.00.0774
LAB #: 4165

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

SAMPLE IDENTIFICATION: DAS-T3-S1-0-0.5FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 05/20/00	TESTED: 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):	1815.2
(f): MASS OF DRY SPECIMEN (g):	1467.9
g): MASS OF CONTAINER (g):	159.50
n): MASS OF CONTAINER & WET SPECIMEN (g):	385.30
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	342.10
(j): MASS OF WATER (g):	43.20
(k): MASS OF DRY SPECIMEN (g):	182.60
(l): WATER CONTENT (%):	**23.66**
(m): WET DENSITY (PCF):	**119.99**
(n): DRY DENSITY (PCF):	**97.04**
(o): SPECIFIC GRAVITY (Gavg):	2.615
(p): VOLUME OF SOLIDS (cc):	561.34
(q): VOID RATIO:	**0.68**
(r): DEGREE OF SATURATION (%):	90.76
(s): POROSITY (%):	**40.53**

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

THOMPSON ENGINEERING TESTING, INC.

239A-15

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JUNE 6, 2000 JOB #: 1999-00-0774

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

SAMPLE IDENTIFICATION: DAS-T3-S2-0-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 5/22/00	TESTED: L. BAXLEY

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

(A) WEIGHT OF PYCNOMETER (g):	178.82	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	268.16	
(C) WEIGHT OF SAMPLE (g):	89.34	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	677.45	
(E) TEMP. OF PYCNOMETER AND WATER (C):	20.4	
(F) DENSITY OF WATER @ T1(g/ml):	0.998149	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	732.81	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	20.4	
(I) DENSITY OF WATER @ T2 (g/ml):	0.998149	

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

(Gs @ T1)= C/((C+(D-G)):	2.629	
CORRECTION FACTOR (K):	0.999915	
(Gs @ 20 C =(Gs @ T1)*K:)	2.629	

SPECIFIC GRAVITY:	2.629

Leroy Bayley
MATERIALS ENGINEERING LABORATORY

239A-16

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

Thompson Engineering

JUNE 20, 2000

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

JOB #: 1999.00.0774
LAB #: 4159

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

SAMPLE IDENTIFICATION: DAS-T3-S2-0-0.5FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 05/20/00	TESTED: 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):	1684.6
(f): MASS OF DRY SPECIMEN (g):	1436.4
(g): MASS OF CONTAINER (g):	138.90
(h): MASS OF CONTAINER & WET SPECIMEN (g):	333.00
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	304.40
(j): MASS OF WATER (g):	28.60
(k): MASS OF DRY SPECIMEN (g):	165.50
(l): WATER CONTENT (%):	**17.28**
(m): WET DENSITY (PCF):	**111.36**
(n): DRY DENSITY (PCF):	**94.95**
(o): SPECIFIC GRAVITY (Gavg):	2.629
(p): VOLUME OF SOLIDS (cc):	546.36
(q): VOID RATIO:	**0.73**
(r): DEGREE OF SATURATION (%):	62.43
(s): POROSITY (%):	**42.12**

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
THOMPSON ENGINEERING TESTING, INC.

239A-17

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JUNE 6, 2000 JOB #: 1999-00-0774

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

SAMPLE IDENTIFICATION: DAS-T3-S3-0-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 5/22/00	TESTED: L. BAXLEY

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

(A) WEIGHT OF PYCNOMETER (g):	178.77	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	253.59	
(C) WEIGHT OF SAMPLE (g):	74.82	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	677.30	
(E) TEMP. OF PYCNOMETER AND WATER (C):	19.6	
(F) DENSITY OF WATER @ T1(g/ml):	0.998312	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	722.98	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	19.6	
(I) DENSITY OF WATER @ T2 (g/ml):	0.998312	

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

(Gs @ T1)= C/((C+(D-G)):	2.568	
CORRECTION FACTOR (K):	1.000078	
(Gs @ 20 C =(Gs @ T1)*K:)	2.568	

SPECIFIC GRAVITY:	2.568

Leroy Baxley
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

JUNE 20, 2000

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

JOB #: 1999.00.0774
LAB #: 4167

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

SAMPLE IDENTIFICATION: DAS-T3-S3-0-0.5FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 05/20/00	TESTED: 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):	1531.1
(f): MASS OF DRY SPECIMEN (g):	1348.6
(g): MASS OF CONTAINER (g):	162.50
(h): MASS OF CONTAINER & WET SPECIMEN (g):	325.30
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	305.90
(j): MASS OF WATER (g):	19.40
(k): MASS OF DRY SPECIMEN (g):	143.40
(l): WATER CONTENT (%):	**13.53**
(m): WET DENSITY (PCF):	**101.21**
(n): DRY DENSITY (PCF):	**89.15**
(o): SPECIFIC GRAVITY (Gavg):	2.568
(p): VOLUME OF SOLIDS (cc):	525.17
(q): VOID RATIO:	**0.80**
(r): DEGREE OF SATURATION (%):	43.57
(s): POROSITY (%):	**44.37**

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

THOMPSON ENGINEERING TESTING, INC.

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JUNE 6, 2000 JOB #: 1999-00-0774

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

SAMPLE IDENTIFICATION: DAS-T4-S1-0-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 5/22/00	TESTED: L. BAXLEY

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

(A) WEIGHT OF PYCNOMETER (g):	169.41	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	240.01	
(C) WEIGHT OF SAMPLE (g):	70.60	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	668.13	
(E) TEMP. OF PYCNOMETER AND WATER (C):	20.5	
(F) DENSITY OF WATER @ T1(g/ml):	0.998128	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	711.52	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	20.5	
(I) DENSITY OF WATER @ T2 (g/ml):	0.998128	

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

(Gs @ T1)= C/((C+(D-G)):	2.595	
CORRECTION FACTOR (K):	0.999894	
(Gs @ 20 C =(Gs @ T1)*K:)	2.594	

SPECIFIC GRAVITY:	2.594

Leroy Baxley
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

JUNE 20, 2000

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 4161

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

SAMPLE IDENTIFICATION: DAS-T4-S1-0-0.5FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 05/20/00	TESTED: 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):	1828.0
(f): MASS OF DRY SPECIMEN (g):	1511.4
(g): MASS OF CONTAINER (g):	137.80
(h): MASS OF CONTAINER & WET SPECIMEN (g):	356.60
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	318.70
(j): MASS OF WATER (g):	37.90
(k): MASS OF DRY SPECIMEN (g):	180.90
(l): WATER CONTENT (%):	**20.95**
(m): WET DENSITY (PCF):	**120.84**
(n): DRY DENSITY (PCF):	**99.91**
(o): SPECIFIC GRAVITY (Gavg):	2.594
(p): VOLUME OF SOLIDS (cc):	582.64
(q): VOID RATIO:	**0.62**
(r): DEGREE OF SATURATION (%):	87.63
(s): POROSITY (%):	**38.28**

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

THOMPSON ENGINEERING TESTING, INC.

239A-21

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JUNE 6, 2000 JOB #: 1999-00-0774

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

SAMPLE IDENTIFICATION: DAS-T4-S2-0-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 5/22/00	TESTED: L. BAXLEY

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

(A) WEIGHT OF PYCNOMETER (g):	169.50	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	226.32	
(C) WEIGHT OF SAMPLE (g):	56.82	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	667.65	
(E) TEMP. OF PYCNOMETER AND WATER (C):	24.2	
(F) DENSITY OF WATER @ T1(g/ml):	0.997277	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	702.49	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	24.2	
(I) DENSITY OF WATER @ T2 (g/ml):	0.997277	

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

(Gs @ T1)= C/((C+(D-G)):	2.585	
CORRECTION FACTOR (K):	0.999041	
(Gs @ 20 C =(Gs @ T1)*K:)	2.583	

SPECIFIC GRAVITY:	2.583

Leroy Baxley
MATERIALS ENGINEERING LABORATORY

239A-22

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

Thompson Engineering

JUNE 20, 2000

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 4170

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

SAMPLE IDENTIFICATION: DAS-T4-S2-0-0.5FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 05/20/00	TESTED: 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):	1462.6
(f): MASS OF DRY SPECIMEN (g):	1182.9
(g): MASS OF CONTAINER (g):	154.30
(h): MASS OF CONTAINER & WET SPECIMEN (g):	322.70
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	290.50
(j): MASS OF WATER (g):	32.20
(k): MASS OF DRY SPECIMEN (g):	136.20
(l): WATER CONTENT (%):	**23.64**
(m): WET DENSITY (PCF):	**96.68**
(n): DRY DENSITY (PCF):	**78.20**
(o): SPECIFIC GRAVITY (Gavg):	2.583
(p): VOLUME OF SOLIDS (cc):	457.97
(q): VOID RATIO:	**1.06**
(r): DEGREE OF SATURATION (%):	57.54
(s): POROSITY (%):	**51.48**

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

THOMPSON ENGINEERING TESTING, INC.

239A-23

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JUNE 6, 2000 JOB #: 1999-00-0774

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

SAMPLE IDENTIFICATION: DAS-T4-S3-0-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 5/22/00	TESTED: L. BAXLEY

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

(A) WEIGHT OF PYCNOMETER (g):	178.77	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	231.69	
(C) WEIGHT OF SAMPLE (g):	52.92	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	676.82	
(E) TEMP. OF PYCNOMETER AND WATER (C):	24.1	
(F) DENSITY OF WATER @ T1(g/ml):	0.997302	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	709.27	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	24.1	
(I) DENSITY OF WATER @ T2 (g/ml):	0.997302	

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

(Gs @ T1)= C/((C+(D-G)):	2.585	
CORRECTION FACTOR (K):	0.999066	
(Gs @ 20 C =(Gs @ T1)*K:)	2.583	

SPECIFIC GRAVITY:	**2.583**

Leroy Baxley
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

JUNE 20, 2000

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

JOB #: 1999.00.0774
LAB #: 4171

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

SAMPLE IDENTIFICATION: DAS-T4-S3-0-0.5FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 05/20/00	TESTED: 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):	1616.2
(f): MASS OF DRY SPECIMEN (g):	1355.5
(g): MASS OF CONTAINER (g):	145.30
(h): MASS OF CONTAINER & WET SPECIMEN (g):	423.70
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	378.80
(j): MASS OF WATER (g):	44.90
(k): MASS OF DRY SPECIMEN (g):	233.50
(l): WATER CONTENT (%):	**19.23**
(m): WET DENSITY (PCF):	**106.84**
(n): DRY DENSITY (PCF):	**89.61**
(o): SPECIFIC GRAVITY (Gavg):	2.583
(p): VOLUME OF SOLIDS (cc):	524.79
(q): VOID RATIO:	**0.80**
(r): DEGREE OF SATURATION (%):	62.18
(s): POROSITY (%):	**44.41**

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
THOMPSON ENGINEERING/TESTING, INC.

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JUNE 6, 2000 JOB #: 1999-00-0774

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

SAMPLE IDENTIFICATION: DAS-T5-S1-0-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 5/22/00	TESTED: L. BAXLEY

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

(A) WEIGHT OF PYCNOMETER (g):	168.55	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	221.34	
(C) WEIGHT OF SAMPLE (g):	52.79	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	667.30	
E) TEMP. OF PYCNOMETER AND WATER (C):	26.6	
(F) DENSITY OF WATER @ T1(g/ml):	0.997424	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	699.64	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	23.6	
(I) DENSITY OF WATER @ T2 (g/ml):	0.997424	

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

(Gs @ T1)= C/((C+(D-G)):	2.581	
CORRECTION FACTOR (K):	0.999189	
(Gs @ 20 C =(Gs @ T1)*K:)	2.579	

SPECIFIC GRAVITY:	**2.579**

Leroy Baxley
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

JUNE 20, 2000

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 4178

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

SAMPLE IDENTIFICATION: DAS-T5-S1-0-0.5FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 05/20/00	TESTED: 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):	1800.7
(f): MASS OF DRY SPECIMEN (g):	1520.2
g): MASS OF CONTAINER (g):	155.10
(h): MASS OF CONTAINER & WET SPECIMEN (g):	491.50
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	439.10
(j): MASS OF WATER (g):	52.40
(k): MASS OF DRY SPECIMEN (g):	284.00
(l): WATER CONTENT (%):	**18.45**
(m): WET DENSITY (PCF):	**119.03**
(n): DRY DENSITY (PCF):	**100.49**
(o): SPECIFIC GRAVITY (Gavg):	2.579
(p): VOLUME OF SOLIDS (cc):	589.46
(q): VOID RATIO:	**0.60**
(r): DEGREE OF SATURATION (%):	79.12
(s): POROSITY (%):	**37.56**

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

THOMPSON ENGINEERING TESTING, INC.

239A-27

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JUNE 6, 2000 JOB #: 1999-00-0774

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

SAMPLE IDENTIFICATION: DAS-T5-S2-0-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 5/22/00	TESTED: L. BAXLEY

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

(A) WEIGHT OF PYCNOMETER (g):	168.71	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	221.20	
(C) WEIGHT OF SAMPLE (g):	52.49	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	666.72	
(E) TEMP. OF PYCNOMETER AND WATER (C):	23.8	
(F) DENSITY OF WATER @ T1(g/ml):	0.997375	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	699.50	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	23.8	
(I) DENSITY OF WATER @ T2 (g/ml):	0.997375	

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

(Gs @ T1)= C/((C+(D-G)):	2.663	
CORRECTION FACTOR (K):	0.999139	
(Gs @ 20 C =(Gs @ T1)*K:)	2.661	

SPECIFIC GRAVITY:	**2.661**

Leroy Baxley
MATERIALS ENGINEERING LABORATORY

239A-28

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

Thompson Engineering

JUNE 20, 2000

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

JOB #: 1999.00.0774
LAB #: 4175

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

SAMPLE IDENTIFICATION: DAS-T5-S2-0-0.5FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 05/20/00	TESTED: 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):	1735.4
(f): MASS OF DRY SPECIMEN (g):	1481.6
(g): MASS OF CONTAINER (g):	157.10
(h): MASS OF CONTAINER & WET SPECIMEN (g):	451.10
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	408.10
(j): MASS OF WATER (g):	43.00
(k): MASS OF DRY SPECIMEN (g):	251.00
(l): WATER CONTENT (%):	**17.13**
(m): WET DENSITY (PCF):	**114.72**
(n): DRY DENSITY (PCF):	**97.94**
(o): SPECIFIC GRAVITY (Gavg):	2.661
(p): VOLUME OF SOLIDS (cc):	556.78
(q): VOID RATIO:	**0.70**
(r): DEGREE OF SATURATION (%):	65.55
(s): POROSITY (%):	**41.02**

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

THOMPSON ENGINEERING TESTING, INC.

239A-29

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JUNE 6, 2000 JOB #: 1999-00-0774

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

SAMPLE IDENTIFICATION: DAS-T5-S3-0-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 5/22/00	TESTED: L. BAXLEY

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

(A) WEIGHT OF PYCNOMETER (g):	156.94	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	211.29	
(C) WEIGHT OF SAMPLE (g):	54.35	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	659.72	
(E) TEMP. OF PYCNOMETER AND WATER (C):	23.4	
(F) DENSITY OF WATER @ T1(g/ml):	0.997472	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	693.17	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	23.4	
(I) DENSITY OF WATER @ T2 (g/ml):	0.997472	

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

(Gs @ T1)= C/((C+(D-G)):	2.600	
CORRECTION FACTOR (K):	0.999237	
(Gs @ 20 C =(Gs @ T1)*K:)	2.598	

SPECIFIC GRAVITY:	**2.598**

Leroy Baxley
MATERIALS ENGINEERING LABORATORY

239A-30

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

Thompson Engineering

JUNE 20, 2000

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

JOB #: 1999.00.0774
LAB #: 4174

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

SAMPLE IDENTIFICATION: DAS-T5-S3-0-0.5FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 05/20/00	TESTED: 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):	1579.5
(f): MASS OF DRY SPECIMEN (g):	1405.4
'g): MASS OF CONTAINER (g):	155.90
(h): MASS OF CONTAINER & WET SPECIMEN (g):	414.50
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	386.00
(j): MASS OF WATER (g):	28.50
(k): MASS OF DRY SPECIMEN (g):	230.10
(l): WATER CONTENT (%):	**12.39**
(m): WET DENSITY (PCF):	**104.41**
(n): DRY DENSITY (PCF):	**92.90**
(o): SPECIFIC GRAVITY (Gavg):	2.598
(p): VOLUME OF SOLIDS (cc):	540.96
(q): VOID RATIO:	**0.74**
(r): DEGREE OF SATURATION (%):	43.19
(s): POROSITY (%):	**42.69**

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 Baxley

THOMPSON ENGINEERING TESTING, INC.

239A-31

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JUNE 6, 2000 JOB #: 1999-00-0774

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

SAMPLE IDENTIFICATION: DAS-T6-S1-0-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 5/22/00	TESTED: L. BAXLEY

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

(A) WEIGHT OF PYCNOMETER (g):	174.64	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	230.17	
(C) WEIGHT OF SAMPLE (g):	55.53	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	672.85	
(E) TEMP. OF PYCNOMETER AND WATER (C):	24.1	
(F) DENSITY OF WATER @ T1(g/ml):	0.997302	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	706.89	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	24.1	
(I) DENSITY OF WATER @ T2 (g/ml):	0.997302	

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

(Gs @ T1)= C/((C+(D-G)):	2.584	
CORRECTION FACTOR (K):	0.999066	
(Gs @ 20 C =(Gs @ T1)*K:)	2.582	

SPECIFIC GRAVITY:	**2.582**

Leroy Baxley
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

JUNE 20, 2000

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

JOB #: 1999.00.0774
LAB #: 4169

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

SAMPLE IDENTIFICATION: DAS-T6-S1-0-0.5FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 05/20/00	TESTED: 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):	1649.3
(f): MASS OF DRY SPECIMEN (g):	1421.4
'g): MASS OF CONTAINER (g):	156.00
(h): MASS OF CONTAINER & WET SPECIMEN (g):	382.50
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	351.20
(j): MASS OF WATER (g):	31.30
(k): MASS OF DRY SPECIMEN (g):	195.20
(l): WATER CONTENT (%):	**16.03**
(m): WET DENSITY (PCF):	**109.03**
(n): DRY DENSITY (PCF):	**93.96**
(o): SPECIFIC GRAVITY (Gavg):	2.582
(p): VOLUME OF SOLIDS (cc):	550.50
(q): VOID RATIO:	**0.71**
(r): DEGREE OF SATURATION (%):	57.93
(s): POROSITY (%):	**41.68**

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

THOMPSON ENGINEERING TESTING, INC.

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JUNE 6, 2000 JOB #: 1999-00-0774

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

SAMPLE IDENTIFICATION: DAS-T6-S2-0-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 5/22/00	TESTED: L. BAXLEY

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

(A) WEIGHT OF PYCNOMETER (g):	172.24	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	232.83	
(C) WEIGHT OF SAMPLE (g):	60.59	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	670.57	
(E) TEMP. OF PYCNOMETER AND WATER (C):	23.9	
(F) DENSITY OF WATER @ T1(g/ml):	0.997351	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	708.16	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	23.9	
(I) DENSITY OF WATER @ T2 (g/ml):	0.997351	

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

(Gs @ T1)= C/((C+(D-G)):	2.634	
CORRECTION FACTOR (K):	0.999115	
(Gs @ 20 C =(Gs @ T1)*K:)	2.632	

SPECIFIC GRAVITY:	**2.632**

Leroy Bailey
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

JUNE 20, 2000

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

JOB #: 1999.00.0774
LAB #: 4173

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

SAMPLE IDENTIFICATION: DAS-T6-S2-0-0.5FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 05/20/00	TESTED: 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):	1778.8
(f): MASS OF DRY SPECIMEN (g):	1558.9
(g): MASS OF CONTAINER (g):	157.70
(h): MASS OF CONTAINER & WET SPECIMEN (g):	473.20
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	434.20
(j): MASS OF WATER (g):	39.00
(k): MASS OF DRY SPECIMEN (g):	276.50
(l): WATER CONTENT (%):	**14.10**
(m): WET DENSITY (PCF):	**117.59**
(n): DRY DENSITY (PCF):	**103.05**
(o): SPECIFIC GRAVITY (Gavg):	2.632
(p): VOLUME OF SOLIDS (cc):	592.29
(q): VOID RATIO:	**0.59**
(r): DEGREE OF SATURATION (%):	62.53
(s): POROSITY (%):	**37.25**

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

THOMPSON ENGINEERING TESTING, INC.

239A-35

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JUNE 6, 2000 JOB #: 1999-00-0774

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

SAMPLE IDENTIFICATION: DAS-T6-S3-0-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 5/22/00	TESTED: L. BAXLEY

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

(A) WEIGHT OF PYCNOMETER (g):	178.95	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	230.87	
(C) WEIGHT OF SAMPLE (g):	51.92	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	677.01	
(E) TEMP. OF PYCNOMETER AND WATER (C):	24.0	
(F) DENSITY OF WATER @ T1(g/ml):	0.997327	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	709.13	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	24.0	
(I) DENSITY OF WATER @ T2 (g/ml):	0.997327	

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

(Gs @ T1)= C/((C+(D-G)):	2.622	
CORRECTION FACTOR (K):	0.999091	
(Gs @ 20 C =(Gs @ T1)*K:)	2.620	

SPECIFIC GRAVITY:	2.620

Leroy Baxley
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

JUNE 20, 2000

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

JOB #: 1999.00.0774
LAB #: 4172

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

SAMPLE IDENTIFICATION: DAS-T6-S3-0-0.5FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 05/20/00	TESTED: 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):	1762.4
(f): MASS OF DRY SPECIMEN (g):	1655.5
(g): MASS OF CONTAINER (g):	158.60
(h): MASS OF CONTAINER & WET SPECIMEN (g):	493.40
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	473.10
(j): MASS OF WATER (g):	20.30
(k): MASS OF DRY SPECIMEN (g):	314.50
(l): WATER CONTENT (%):	**6.45**
(m): WET DENSITY (PCF):	**116.50**
(n): DRY DENSITY (PCF):	**109.44**
(o): SPECIFIC GRAVITY (Gavg):	2.620
(p): VOLUME OF SOLIDS (cc):	631.89
(q): VOID RATIO:	**0.49**
(r): DEGREE OF SATURATION (%):	34.24
(s): POROSITY (%):	**33.06**

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

THOMPSON ENGINEERING/TESTING, INC.

239A-37

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JUNE 6, 2000 JOB #: 1999-00-0774

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

SAMPLE IDENTIFICATION: DAS-T7-S1-0-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 5/22/00	TESTED: L. BAXLEY

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

(A) WEIGHT OF PYCNOMETER (g):	178.51	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	234.91	
(C) WEIGHT OF SAMPLE (g):	56.40	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	676.76	
(E) TEMP. OF PYCNOMETER AND WATER (C):	23.6	
(F) DENSITY OF WATER @ T1(g/ml):	0.997424	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	710.89	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	23.6	
(I) DENSITY OF WATER @ T2 (g/ml):	0.997424	

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

(Gs @ T1)= C/((C+(D-G)):	2.533	
CORRECTION FACTOR (K):	0.999189	
(Gs @ 20 C =(Gs @ T1)*K:)	2.531	

SPECIFIC GRAVITY:	2.531

Leroy Baxley
MATERIALS ENGINEERING LABORATORY

239A-38

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

Thompson Engineering

JUNE 20, 2000

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

JOB #: 1999.00.0774
LAB #: 4177

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

SAMPLE IDENTIFICATION: DAS-T7-S1-0-0.5FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 05/20/00	TESTED: 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):	1574.3
(f): MASS OF DRY SPECIMEN (g):	1358.7
'g): MASS OF CONTAINER (g):	160.60
,n): MASS OF CONTAINER & WET SPECIMEN (g):	435.10
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	397.50
(j): MASS OF WATER (g):	37.60
(k): MASS OF DRY SPECIMEN (g):	236.90
(l): WATER CONTENT (%):	**15.87**
(m): WET DENSITY (PCF):	**104.07**
(n): DRY DENSITY (PCF):	**89.81**
(o): SPECIFIC GRAVITY (Gavg):	2.531
(p): VOLUME OF SOLIDS (cc):	536.81
(q): VOID RATIO:	**0.76**
(r): DEGREE OF SATURATION (%):	52.96
(s): POROSITY (%):	**43.13**

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

THOMPSON ENGINEERING TESTING, INC.

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JUNE 6, 2000 JOB #: 1999-00-0774

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

SAMPLE IDENTIFICATION: DAS-T7-S2-0-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 5/22/00	TESTED: L. BAXLEY

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

(A) WEIGHT OF PYCNOMETER (g):	172.61
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	223.75
(C) WEIGHT OF SAMPLE (g):	51.14
(D) WEIGHT OF PYCNOMETER AND WATER (g):	670.96
(E) TEMP. OF PYCNOMETER AND WATER (C):	23.7
(F) DENSITY OF WATER @ T1(g/ml):	0.997400
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	702.30
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	23.7
(I) DENSITY OF WATER @ T2 (g/ml):	0.997400

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

(Gs @ T1)= C/((C+(D-G)):	2.583
CORRECTION FACTOR (K):	0.999165
(Gs @ 20 C =(Gs @ T1)*K:)	2.581

SPECIFIC GRAVITY:	**2.581**

Leroy Baxley
MATERIALS ENGINEERING LABORATORY

239A-40

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

Thompson Engineering

JUNE 20, 2000

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

JOB #: 1999.00.0774
LAB #: 4176

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

SAMPLE IDENTIFICATION: DAS-T7-S2-0-0.5FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 05/20/00	TESTED: 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):	1780.7
(f): MASS OF DRY SPECIMEN (g):	1473.3
(g): MASS OF CONTAINER (g):	153.10
(h): MASS OF CONTAINER & WET SPECIMEN (g):	506.50
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	445.50
(j): MASS OF WATER (g):	61.00
(k): MASS OF DRY SPECIMEN (g):	292.40
(l): WATER CONTENT (%):	**20.86**
(m): WET DENSITY (PCF):	**117.71**
(n): DRY DENSITY (PCF):	**97.39**
(o): SPECIFIC GRAVITY (Gavg):	2.581
(p): VOLUME OF SOLIDS (cc):	570.84
(q): VOID RATIO:	**0.65**
(r): DEGREE OF SATURATION (%):	82.38
(s): POROSITY (%):	**39.53**

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

THOMPSON ENGINEERING TESTING, INC.

239A-41

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

3.18.4.4. Chain-of-Custody Forms

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

Office: O'Brien & Gere Inc.
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) Tim Tedesco

SAMPLE DESCRIPTION/LOCATION	Date	Time	Sample Matrix[1]	Sample Type[2]	No. of Containers	ANALYSIS REQUESTED[3]	Sample Preservation
Blue Cooler							
DAS-T3-S2-0-0.5 FT	4-24-00		Soil	composite	1	* See below ~~Grain Size~~	None
DAS-T1-S2-0-0.5 FT	↓		↓	↓	↓	* see below	↓
DAS-T4-S1-0-0.5 FT	↓		↓	↓	↓	↓	↓
DAS-T2-S1-0-0.5 FT	↓		↓	↓	↓	↓	↓
DAS-T1-S1-0-0.5 FT	↓		↓	↓	↓	↓	↓
DAS-T2-S3-0-0.5 FT	↓		↓	↓	↓	↓	↓
DAS-T3-S1-0-0.5 FT	↓		↓	↓	↓	↓	↓
DAS-T1-S3-0-0.5 FT	↓		↓	↓	↓	↓	↓
DAS-T3-S3-0-0.5 FT	↓		↓	↓	↓	↓	↓
DAS-T2-S2-0-0.5 FT	↓		↓	↓	↓	↓	↓

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

	Date	Time		Date	Time
Relinquished by: Nicolas E. Jenkins of: O'Brien & Gere	4-24-00	1600	Received by: Fed Ex 8187 0377 9303 of:		
Relinquished by: of:			Received by: of:		
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:		

* Soil bulk density - EM 1110-2-1906
moisture content - " "
Specific gravity - ASTM D 845

FedEx USA Airbill FedEx Tracking Number 8187 03 9303

1 From Please print and press hard

Date 9-24-00 Sender's FedEx Account Number 1187-9587-3

Sender's Name Nicolas E. Jenkins Phone (314) 842-4550

Company O'BRIEN & GERE

Address 12250 WEBER HILL RD Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63127

2 Your Internal Billing Reference First 24 characters will appear on invoice 25548. 040-002

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

Company Thompson Engineering

Address 3707 Cottage Hill Rd. To "HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes

Dept./Floor/Suite/Room

City Mobile State AL ZIP 36691

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.

0126728017

Sender's Copy

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 Envelope/Letter Rates 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 Envelope/Letter*
- [ ] FedEx Pak*
- [x] Other Pkg — Includes FedEx Box, FedEx Tube, and customer pkg

6 Special Handling — Include FedEx charges on Section 3

- [ ] 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	79	$ .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

SRW 8100 • Rev. Date 8/99 • Part #154812 • ©1994-99 FedEx • PRINTED IN U.S.A.

PULL AND RETAIN THIS COPY BEFORE AFFIXING TO THE PACKAGE.

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

Office: O'Brien & Gere, Inc.
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) Tim Tedesco

SAMPLE DESCRIPTION/LOCATION Red cooler.	Date	Time	Sample Matrix[1]	Sample Type[2]	No. of Containers	ANALYSIS REQUESTED[1]	Sample Preservation
DAS-T6-S1-0-0.5FT	4-24		Soil	composite	1	* See below ~~[illegible]~~	None
DAS-T4-S2-0-0.5FT	↓		↓	↓	↓	* See below	↓
DAS-T4-S3-0-0.5FT	↓		↓	↓	↓	↓	↓
DAS-T6-S3-0-0.5FT	↓		↓	↓	↓	↓	↓
DAS-T6-S2-0-0.5FT	↓		↓	↓	↓	↓	↓
DAS-T5-S3-0-0.5FT	↓		↓	↓	↓	↓	↓
DAS-T5-S2-0-0.5FT	↓		↓	↓	↓	↓	↓
DAS-T7-S2-0-0.5FT	↓		↓	↓	↓	↓	↓
DAS-T7-S1-0-0.5FT	↓		↓	↓	↓	↓	↓
DAS-T5-S1-0-0.5FT	↓		↓	↓	↓	↓	↓
	↓		↓	↓	↓	↓	↓

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

Relinquished by	Date	Time	Received by	Date	Time
Nicholas E. Jenkins of O'Brien & Gere	4-24-00	1600	Fed Ex 8187 0377 9299 of:		
Relinquished by: of:			Received by: of:		
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:		

* Soil bulk density - EM 1110-2-1906
moisture content - " "
Specific gravity - ASTM D 845

FedEx USA Airbill FedEx Tracking Number 8187 177 9299

Form I.D. No. 0215 Sender's Copy

1 From Please print and press hard

Date 4-24-00 Sender's FedEx Account Number 1187-9587-3

Sender's Name Nicolas E. Jenkins Phone (314) 842-4550

Company O'BRIEN & GERE

Address 12250 WEBER HILL RD Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63127

2 Your Internal Billing Reference First 24 characters will appear on invoice 23548.040.002

3 To

Recipient's Name Thompson Engineering Phone (334) 666-2443

Company Thompson Engineering

Address 3707 Cottage Hill Rd.

To "HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

City Mobile State AL ZIP 36691

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.

0126728017

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 Envelope/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 Envelope/Letter*
- [ ] FedEx Pak*
- [x] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg.

6 Special Handling Include FedEx address in Section 3

- [ ] 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	64	$ .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

SRW 0100 • Rev. Date 8/99 • Part #154813 • ©1994-99 FedEx • PRINTED IN U.S.A.

PULL AND RETAIN THIS COPY BEFORE AFFIXING TO THE PACKAGE.

Serial Number 018963

STL Savannah Laboratories
a division of Severn Trent Laboratories, 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: (850) 878-3994 — Fax: (850) 878-9504
900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
6712 Benjamin Rd., Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049

PROJECT REFERENCE: Solutia Sewer Area 1	PROJECT NO.: 23548	PROJECT LOCATION (STATE): IL
STL (LAB) PROJECT MANAGER: Angie Stewart	P.O. NUMBER: Bill to Solutia	CONTRACT NO.:
CLIENT (SITE) PM: Kimberly Perry - Solutia	CLIENT PHONE: 314-842-4550	CLIENT FAX: 314-842-3266
CLIENT NAME: Solutia	CLIENT EMAIL:	
CLIENT ADDRESS: St. Louis, MO		
COMPANY CONTRACTING THIS WORK (if applicable):		

PAGE 1 OF 2

STANDARD REPORT DELIVERY ☒
DATE DUE ____
EXPEDITED REPORT DELIVERY (SURCHARGE) ○
DATE DUE ____

NUMBER OF COOLERS SUBMITTED PER SHIPMENT: 1

REQUIRED ANALYSES

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)	VOC (8260B)	Semi VOC (8270B)	Metals/Hg (6010B/7471A)	VOC Bulk Sample-PA	VOC Bulk Sample						REMARKS
								Cool	Cool	Cool	Cool	Cool						
4-18-00	1045	DAS-T1-S1-0-0.5FT	C		X			3	2	1	1							
4-18-00	1155	DAS-T1-S1-3-6FT	C		X			3	2	1	1	1						
4-18-00	1045	DAS-T1-S1-0-0.5FT-FD	C		X			3	2	1	1							
4-18-00	1100	DAS-T1-S2-0-0.5FT	C		X			3	2	1	1							
4-18-00	1300	DAS-T1-S2-3-6FT	C		X			3	2	1	1	1						
4-18-00	1115	DAS-T1-S3-0-0.5FT	C		X			3	2	1	1							
4-18-00	1345	DAS-T1-S3-3-6FT	C		X			3	2	1	1	1						
4-18-00	1345	DAS-T1-S3-3-6FT-MS/MSD	C		X			3	2	1	1	1						
4-18-00	0930	DAS-T2-S1-0-0.5FT	C		X			3										
4-18-00	0955	DAS-T2-S1-3-6FT	C		X			3										
4-18-00	0945	DAS-T2-S2-0-0.5FT	C		X			3										
4-18-00	1030	DAS-T2-S2-3-6FT	C		X			3										

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			Nicholas E. Jenkins	4-18-00	1900			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
			Fed ex 8187 0379 1557	4-18-00	1900			

LABORATORY USE ONLY

Serial Number 018962

STL Savannah Laboratories
a division of Severn Trent Laboratories, 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: (850) 878-3994 — Fax: (850) 878-9504
○ 900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
○ 6712 Benjamin Rd., Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049

PROJECT REFERENCE: Solutia-Sauget Area 1	PROJECT NO.: 23548	PROJECT LOCATION (STATE): IL	PAGE 2 OF 2
STL (LAB) PROJECT MANAGER: Angie Stewart	P.O. NUMBER: Bill to Solutia	CONTRACT NO.	STANDARD REPORT DELIVERY ⊗
CLIENT (SITE) PM: Kimberly Perry-Solutia	CLIENT PHONE: 314-842-4550	CLIENT FAX: 314-812-3266	DATE DUE
CLIENT NAME: Solutia	CLIENT EMAIL		EXPEDITED REPORT DELIVERY (SURCHARGE) ○
CLIENT ADDRESS: St. Louis, MO			DATE DUE
COMPANY CONTRACTING THIS WORK (if applicable):			NUMBER OF COOLERS SUBMITTED PER SHIPMENT: 1

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)	REQUIRED ANALYSES: VOC (SW35 8260B)	REMARKS
4-18-00	1000	DAS-T2-S3-0-0.5FT	C		X			3	
4-18-00	1110	DAS-T2-S3-3-6FT	C		X			3	
4-18-00	1110	DAS-T2-S3-3-6FT-FD	C		X			3	
4-18-00		VOC Trip Blank		X				3	
4-18-00		TEMP BLANK		X					

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			Nicolas E. Jenkins	4-18-00	1900			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
			Fed ex: 8187 0379 1587	4-18-00	1900			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL	STL-SL LOG NO.	LABORATORY REMARKS:
			YES / NO			

FedEx USA Airbill FedEx Tracking Number 8187 0379 1587

8DA22 0215 Sender's Copy

1 From Please print and press hard

Date 4-18-00 Sender's FedEx Account Number 1187-9587-3

Sender's Name Nick Jenkins Phone (314) 842-4550

Company O'BRIEN & GERE

Address 12250 WEBER HILL RD

Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63127

Your Internal Billing Reference (first 24 characters will appear on invoice) 23548.040.002

3 To Recipient's Name A. STENART ~~BETSY BEAUBEAUCHAMP~~ Phone (912) 354-7858

Company SAVANNAH LABRATORIES

Address 5102 LAROCHE AVE

To "HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

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.

0126730793

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

6 Special Handling — Section 3

- [ ] 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:

- [✓] 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

241A-7

Serial Number 018964

STL Savannah Laboratories
a division of Severn Trent Laboratories, 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: (850) 878-3994 Fax: (850) 878-9504
○ 900 Lakeside Drive, Mobile, AL 36693 Phone: (334) 666-6633 Fax: (334) 666-6696
○ 6712 Benjamin Rd., Suite 100, Tampa, FL 33634 Phone: (813) 885-7427 Fax: (813) 885-7049

PROJECT REFERENCE: Solutia - Sequ Area 1	PROJECT NO.: 23548	PROJECT LOCATION (STATE): IL
STL (LAB) PROJECT MANAGER: Angie Stewart	P.O NUMBER: Billla Solutia	CONTRACT NO.:
CLIENT (SITE) PM: Kimberly Perry - Solutia	CLIENT PHONE: 314-842-4550	CLIENT FAX: 314-842-3266
CLIENT NAME: Solutia	CLIENT EMAIL:	
CLIENT ADDRESS: St. Louis, MO		
COMPANY CONTRACTING THIS WORK (if applicable):		

PAGE 1 OF 1

STANDARD REPORT DELIVERY ⊗

DATE DUE

EXPEDITED REPORT DELIVERY (SURCHARGE) ○

DATE DUE

NUMBER OF COOLERS SUBMITTED PER SHIPMENT: 1

REQUIRED ANALYSES

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)	VOC (SW8260B)	SVOC/PCB/Metals (SW8270/8082/6010B)	Metals/Hg/Cyanide (6010B/7471A/9010B)	VOC Bulk Sample	VOC Bulk Sample						REMARKS
								Cool	Cool	Cool	Cool	Cool						
4-18-00	0930	DAS-T2-S1-0-0.5FT	C		X			2	1	1								
4-18-00	0935	DAS-T2-S1-3-6 FT	C		X			2	1		1							
4-18-00	0945	DAS-T2-S2-0-0.5FT	C		X			2	1	1								
4-18-00	1030	DAS-T2-S2-3-6 FT	C		X			2	1		1							
4-18-00	1000	DAS-T2-S3-0-0.5FT	C		X			2	1	1								
4-18-00	1110	DAS-T2-S3-3-6 FT	C		X			2	1		1							
4-18-00	1110	DAS-T2-S3-3-6 FT-FD	C		X			2	1		1							
4-18-00		TEMP Blank		X														

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			Nicolas E. Jenkins	4-18-00	1900			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
			Fedex: 8157-0379-1598	4-18-00	1900			

LABORATORY USE ONLY

RECEIVED BY: LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL	STL-SL LOG NO.	LABORATORY REMARKS:
			YES			

FedEx USA Airbill FedEx Tracking Number 8187 0379 1598

8DA22

1 From *Please print and press hard*

Date 4-18-00 Sender's FedEx Account Number 1187-9587-3

Sender's Name Nick Jenkins Phone (314) 842-4550

Company O'BRIEN & GERE

Address 12250 WEBER HILL RD Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63127

2 Your Internal Billing Reference First 24 characters will appear on invoice 23548.040.003

3 To Recipient's Name A. STEWART ~~BETSY BEAUBEAUCHAMP~~ Phone (912) 354-7858

Company SAVANNAH LABRATORIES

Address 5102 LAROCHE AVE
To "HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept./Floor/Suite/Room

City SAVANNAH State GA ZIP 31404

NEW Peel and Stick FedEx USA Airbills
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.

0126730793

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

6 Special Handling Include FedEx address in Section 3

- [ ] 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 cannot 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	36	$ .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

SHW 0100 • Rev. Date 8/99 • Part #154813 • © 1994-99 FedEx • PRINTED IN U.S.A.

PULL AND RETAIN THIS COPY BEFORE AFFIXING TO THE PACKAGE

241A-9

Nicolas E. Jenkins

CLIENT CHAIN OF CUSTODY 1 of 2 **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): Dioxin (8280A)

Total Number of Containers: 12

Turn Around Time (In Calendar Days):

Sample ID (3)	Date / Time	Preservation (4)	Matrix	Sample Amt.	Dioxin (8280A)					Remarks
DAS-T2-S3-3-6FT-FD	4-18-00/1110	Cool	Soil	½l	X					
DAS-T1-S3-3-6FT	4-18-00/1345	Cool	Soil	½l	X					
DAS-T2-S2-0-0.5FT	4-18-00/0945	Cool	Soil	½l	X					
DAS-T2-S3-3-6FT	4-18-00/1110	Cool	Soil	½l	X					
DAS-T1-S3-3-6FT-MS/MSD	4-18-00/1345	Cool	Soil	½l	X					
DAS-T2-S1-0-0.5FT	4-18-00/0930	Cool	Soil	½l	X					
DAS-T1-S3-0-0.5FT	4-18-00/1115	Cool	Soil	½l	X					
DAS-T1-S1-0-0.5FT-FD	4-18-00/1045	Cool	Soil	½l	X					
DAS-T1-S2-0-0.5FT	4-18-00/1100	Cool	Soil	½l	X					
DAS-T2-S3-0-0.5FT	4-18-00/1000	Cool	Soil	½l	X					

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
Nicolas E. Jenkins	4-18-00 1900	Fed ex 8170 9423 1771	~~Fedex 8170 9423 1771~~	~~1900 4-18-00~~	

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.

Nicolas E. Jenkins

CLIENT CHAIN OF CUSTODY 2 of 2 **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): Dioxin (8290)

Total Number of Containers: 2

Turn Around Time (In Calendar Days):

Sample ID (3)	Date / Time	Preservation (4)	Matrix	Sample Amt.	Dioxin (8290)					Remarks
DAS-TI-S1-0-0.5FT	4-18-00/1045	Cool	Soil	1l	X					
TEMP BLANK	4-18-00/	Cool	Water							

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
Nicolas E. Jenkins	1900 4-18-00	817094231771 Fedex		~~4-18-00~~ Fedex	

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 8170 9423 1771

Form I.D. No. 0215

1 From Please print and press hard

Date 4-18-00 Sender's FedEx Account Number 1187-9587-3

Sender's Name Nick Jenkins Phone (314) 842-4550

Company O'BRIEN & GERE

Address 12250 Weber Hill Rd ~~5000 CEDAR PLAZA PKWY STE 211~~ Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128 7

2 Your Internal Billing Reference First 24 characters will appear on invoice 23548.040 002

3 To

Recipient's Name FRANK STEVENS Phone (919) 544-5729

Company TRIANGLE LABORTIES

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

0119392504

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	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

SRP 1199 • Rev. Date 11/98 • Part # 1548135 • © 1994-98 FedEx • PRINTED IN U.S.A.

RETAIN THIS COPY FOR YOUR RECORDS

Serial Number 016198

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Savannah Laboratories
a division of Severn Trent Laboratories, Inc

5102 LaRoche Avenue, Savannah, GA 31404 — Phone: (912) 354-7858 — Fax: (912) 352-0165
2846 Industrial Plaza Drive, Tallahassee, FL 32301 — Phone: (850) 878-3994 — Fax: (850) 878-9504
900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
6712 Benjamin Rd., Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049

PROJECT REFERENCE: Solutiz-Sayet Area 1
PROJECT NO.: 23548
PROJECT LOCATION (STATE): IL
STL (LAB) PROJECT MANAGER: Angie Stewart
P.O. NUMBER: Bill to Solutiz
CONTRACT NO:
CLIENT (SITE) PM: Kimberly Perry-Solutiz
CLIENT PHONE: 314-842-4550
CLIENT FAX: 314-842-3066
CLIENT NAME: Solutiz Inc.
CLIENT EMAIL:
CLIENT ADDRESS: St. Louis, MO
COMPANY CONTRACTING THIS WORK (if applicable):

PAGE 1 OF 1

STANDARD REPORT DELIVERY ⊗
DATE DUE
EXPEDITED REPORT DELIVERY (SURCHARGE) ○
DATE DUE

NUMBER OF COOLERS SUBMITTED PER SHIPMENT: 1

REQUIRED ANALYSES

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)	SVOC/PCB/Herb/Pest 8270C/680/8151A/8081A COOL	Metals/Hg/Cyanide 6010B/7471A/9010B COOL	VOC Bulk Sample-Ph COOL	VOC Bulk Sample COOL					REMARKS
4-19-00	1005	DAS-T5-S1-0-0.5FT	C		X			2	1	1						
4-19-00	1105	DAS-T5-S1-3-6 FT	C		X			2	1		1					
4-19-00	1020	DAS-T5-S2-0-0.5FT	C		X			2	1	1						
4-19-00	1043	DAS-T5-S2-3-6 FT	C		X			2	1		1					
4-19-00	1040	DAS-T5-S3-0-0.5FT	C		X			2	1	1						
4-19-00	1135	DAS-T5-S3-3-6 FT	C		X			2	1		1					
4-19-00		TEMP BLANK		X												
																Cyanide method corrected
																4-21-00 DEH

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			[signature]	4-19-00	1900			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
			8187-0379-1565	4-19-00	1900			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	STL-SL LOG NO.	LABORATORY REMARKS:
			YES NO			

SDA22

FedEx *USA Airbill* FedEx Tracking Number 8187 0379 1565

Form I.D. No. 0215

1 From *Please print and press hard.*

Date 04-19-00 Sender's FedEx Account Number 1187-9587-3

Sender's Name William E. Wright Phone (314) 842-4550

Company O'BRIEN & GERE

Address 12250 WEBER HILL RD

Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63127

2 Your Internal Billing Reference *First 24 characters will appear on invoice.* 23548.040.003

3 To Recipient's Angie Stewart ~~BETSY BEAUBEAUCHAMP~~ Phone (912) 354-7858

Company SAVANNAH LABRATORIES

Address 5102 LAROCHE AVE

To "HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

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.

0126730793

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 Envelope/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 Envelope/Letter*
- [ ] FedEx Pak*
- [x] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg.

6 Special Handling — Include FedEx address in Section 3.

- [ ] 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 Overnight and 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	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

SRW 0100 • Rev. Date 8/99 • Part #154813 • ©1994-99 FedEx • PRINTED IN U.S.A.

Sauget Site Field Office
Phone: (618) 875-3732
Fax: (618) 875-3853

Fax

To:	A. Stewart	**From:**	D. Haverdink (O'Brien + Gere)
Fax:	912-352-0165	**Pages:**	2 (incl. cover)
Phone:		**Date:**	4-21-00
Re:		**CC:**	

☐ Urgent ☒ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

Corrected COC follows ...

Serial Number 016198

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Savannah Laboratories
a division of Severn Trent Laboratories, Inc.

5102 LaRoche Avenue, Savannah, GA 31404 — Phone: (912) 354-7858 — Fax: (912) 352-0165
2846 Industrial Plaza Drive, Tallahassee, FL 32301 — Phone: (850) 878-3994 — Fax: (850) 878-9504
900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
6712 Benjamin Rd., Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049

PROJECT REFERENCE: Solutia-Sryst Area 1	PROJECT NO.: 23548	PROJECT LOCATION (STATE): IL
STL (LAB) PROJECT MANAGER: Angie Stewart	P.O. NUMBER: Bill to Solutia	CONTRACT NO.:
CLIENT (SITE) PM: Kimberly Perry-Solutia	CLIENT PHONE: 314-842-4550	CLIENT FAX: 314-842-3066
CLIENT NAME: Solutia Inc	CLIENT EMAIL:	
CLIENT ADDRESS: St. Louis, MO		
COMPANY CONTRACTING THIS WORK (if applicable):		

PAGE 1 OF 1

STANDARD REPORT DELIVERY ☒
DATE DUE ____
EXPEDITED REPORT DELIVERY (SURCHARGE) ○
DATE DUE ____

NUMBER OF COOLERS SUBMITTED PER SHIPMENT: 1

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)	SVOC/PCB/Metals/PCB 8270C/6010/8151A/8082		Metals/HS/Cyanide 6010/7471A/9010B		VOC Bulk Sample		VOC Bulk Sample				REMARKS
								Cool		Cool		Cool		Cool				
								NUMBER OF CONTAINERS SUBMITTED										
4-19-00	1005	DAS-TS-S1-0-0.5FT	C		X			2		1		1						
4-19-00	1105	DAS-TS-S1-3-6 FT	C		X			2		1				1				
4-19-00	1020	DAS-TS-S2-0-0.5FT	C		X			2		1		1						
4-19-00	1043	DAS-TS-S2-3-6 FT	C		X			2		1				1				
4-19-00	1040	DAS-TS-S3-0-0.5FT	C		X			2		1		1						
4-19-00	1135	DAS-TS-S3-3-6 FT	C		X			2		1				1				
4-19-00		TEMP BLANK		X														
																		Cyanide method corrected 4-21-00 DEA

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[illegible]			[illegible]	04-19-00	1910			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
[illegible]			FEDEX 8187-0379-1565	04-19-00	1900			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL	STL-SL LOG NO.	LABORATORY REMARKS:
			YES / NO			

241A-16

HP LaserJet 3100
Printer/Fax/Copier/Scanner

SEND CONFIRMATION REPORT for
Sauget Site Field Office
618 875 3853
Apr-21-00 7:30AM

Job	Start Time	Usage	Phone Number or ID	Type	Pages	Mode	Status
73	4/21 7:29AM	0'57"	912 352 0165	Send	2/ 2	EC144	Completed

Total 0'57" Pages Sent: 2 Pages Printed: 0

Sauget Site Field Office
Phone: (618) 875-3732
Fax: (618) 875-3853

Fax

To: A. Stewart
From: D. Harendak (O'Brien & Gere)
Fax: 912-352-0165
Pages: 2 (incl. cover)
Phone:
Date: 4-21-00
Re:
CC:

☐ Urgent ☒ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

Corrected COC follows ...

DE Hamondi

CLIENT CHAIN OF CUSTODY | **SAMPLER'S SIGNATURE** [signature] | **Project/Quote 05023/990000106**

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 to Solutia

(SOL05 /FMS)

Data to be reported to the state of MO.

Analysis Wanted (2): Dioxin (8280A)

Total Number of Containers: ~~9~~ 10

Turn Around Time (In Calendar Days):

Sample ID (3)	Date / Time	Preservation (4)	Matrix	Sample Amt.	Dioxin (8280A)					Remarks
DAS-T3-S1-0-0.5FT	4-19-00/0945	cool	soil	500ml	X					
DAS-T3-S2-0-0.5FT	4-19-00/0930	cool	soil	500ml	X					
DAS-T3-S3-0-0.5FT	4-19-00/0915	cool	soil	500ml	X					
DAS-T5-S1-0-0.5FT	4-19-00/1005	cool	soil	500ml	X					
DAS-T5-S2-0-0.5FT	4-19-00/1020	cool	soil	500ml	X					
DAS-T5-S3-0-0.5FT	4-19-00/1040	cool	soil	500ml	X					
DAS-T4-S1-0.6-0.5FT	4-19-00/1110	cool	soil	500ml	X					
DAS-T5-S2-3-6FT	4-19-00/1043	cool	soil	500ml	X					
DAS-T4-S1-0-0.5FT-FD	4-19-00/1110	cool	soil	500ml	X					
Temp Blank	4-19-00	cool	water	—						

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
[signature]	4-19-00/1900	Fed Ex 8170-9423-1782			

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 8170 9423 1782

Form I.D. No. 0215

1 From Please print and press hard.

Date 4-19-00 Sender's FedEx Account Number 1187-9587-3

Sender's Name William Wright ~~Nick Jenkins~~ Phone (314) 842-4550

Company O'BRIEN & GERE

Address 12250 Weber Hill Road ~~5000 CEDAR PLAZA PKWY STE 211~~ Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63127 ~~63128~~

2 Your Internal Billing Reference First 24 characters will appear on invoice 23548.040.002

3 To Recipient's FRANK STEVENS Phone (919) 544-5729

Company TRIANGLE LABORTIES

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.

0119392504

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 Commitment

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?

- ☒ 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:

- ☒ Sender — Acct. No. in Section 1 will be used
- ☐ Recipient
- ☐ Third Party
- ☐ Credit Card
- ☐ Cash/Check

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

Total Packages	Total Weight	Total Declared Value†
1	74	$ .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 #154813-5 • © 1994-98 FedEx • PRINTED IN U.S.A.

Serial Number 018911

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

STL Savannah Laboratories
a division of Severn Trent Laboratories, Inc

(X) 5102 LaRoche Avenue, Savannah, GA 31404 Phone: (912) 354-7858 Fax: (912) 352-0165
( ) 2846 Industrial Plaza Drive, Tallahassee, FL 32301 Phone: (850) 878-3994 Fax: (850) 878-9504
( ) 900 Lakeside Drive, Mobile, AL 36693 Phone: (334) 666-6633 Fax: (334) 666-6696
( ) 6712 Benjamin Rd., Suite 100, Tampa, FL 33634 Phone: (813) 885-7427 Fax: (813) 885-7049

PROJECT REFERENCE: Solutiz-Sauget Area 1	PROJECT NO.: 23548	PROJECT LOCATION (STATE): IL	PAGE 1 OF 1
STL (LAB) PROJECT MANAGER: Angie Stewart	P.O. NUMBER: Bill to Solutiz	CONTRACT NO.:	STANDARD REPORT DELIVERY (X) DATE DUE
CLIENT (SITE) PM: Kimberly Perry-Solutiz	CLIENT PHONE: 314-842-4550	CLIENT FAX: 314-842-3266	EXPEDITED REPORT DELIVERY (SURCHARGE) ( ) DATE DUE
CLIENT NAME: Solutiz	CLIENT EMAIL:		
CLIENT ADDRESS: St. Louis, MO			NUMBER OF COOLERS SUBMITTED PER SHIPMENT: 1
COMPANY CONTRACTING THIS WORK (if applicable):			

REQUIRED ANALYSES

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)	SVOCs/PCB/Herb/Pest 8270C/680/8151A/8081A Cool	Metals/Hg/Cyanide 6010B/7471A/9010B Cool	VOC Bulk Sample-Ph Cool	VOC Bulk Sample Cool	REMARKS
4-19-00	0945	DAS-T3-S1-0-0.5FT	C		X			2	1	1		
4-19-00	1020	DAS-T3-S1-3-6FT	C		X			2	1		1	
4-19-00	0930	DAS-T3-S2-0-0.5FT	C		X			2	1	1		
4-19-00	1000	DAS-T3-S2-3-6FT.	C		X			2	1		1	
4-19-00	0915	DAS-T3-S3-0-0.5FT	C		X			2	1	1		
4-19-00	0935	DAS-T3-S3-3-6FT	C		X			2	1		1	
4-19-00		TEMP BLANK		X								

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			[signature]	4-19-00	1900			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
			Fedex 8187 0279 1050	4-19-00	1900			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL	STL-SL LOG NO.	LABORATORY REMARKS:
			YES NO			

241A-20

SDA22

FedEx *USA Airbill* FedEx Tracking Number 8187 0379 1554

Form I.D. No. 0215

1 From *Please print and press hard.*

Date 04-19-00 Sender's FedEx Account Number 1187-9587-3

Sender's Name William E. Wright Phone (314) 842-4550

Company O'BRIEN & GERE

Address 12250 WEBER HILL RD

Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63127

2 Your Internal Billing Reference 23548.040.002
First 24 characters will appear on invoice.

3 To Recipient's Angie Stewart ~~BETSY BEAUBEAUCHAMP~~ Phone (912) 354-7858

Company SAVANNAH LABRATORIES

Address 5102 LAROCHE AVE

To "HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

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.

0126730793

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 Envelope/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 Envelope/Letter*
- [ ] FedEx Pak*
- [x] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg.

6 Special Handling — Include FedEx address in Section 2

- [ ] 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	37	$ .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

SRW 0100 • Rev. Date 8/99 • Part #154813 • ©1994-99 FedEx • PRINTED IN U.S.A.

Serial Number 018965

STL Savannah Laboratories
a division of Severn Trent Laboratories, 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: (850) 878-3994 — Fax: (850) 878-9504
900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
6712 Benjamin Rd., Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049

PROJECT REFERENCE: Solutia Sawyer Road	PROJECT NO.: 23545	PROJECT LOCATION (STATE): IL
STL (LAB) PROJECT MANAGER: [illegible]	P.O. NUMBER: Butte Solutia	CONTRACT NO.:
CLIENT (SITE) PM: Kimberly Perry	CLIENT PHONE: 314-342-4550	CLIENT FAX: 314-342-2246
CLIENT NAME: Solutia Inc	CLIENT EMAIL:	
CLIENT ADDRESS: St. Louis MO		
COMPANY CONTRACTING THIS WORK (if applicable):		

PAGE 1 OF 2

STANDARD REPORT DELIVERY ☒
DATE DUE ____
EXPEDITED REPORT DELIVERY (SURCHARGE) ○
DATE DUE ____

NUMBER OF COOLERS SUBMITTED PER SHIPMENT: 1

REQUIRED ANALYSES / NUMBER OF CONTAINERS SUBMITTED

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)	VOC/SVOC/Pesticides/PCB/Herbicides (8260/8270)		Metals (TAL)	VOC/SVOC/Pesticides/PCB/Herbicides (8260/8270)		Metals (TAL) - partial		VOC Bulk Sample - PH		VOC Bulk Sample	REMARKS
								COOL		C	COOL		COOL		COOL		COOL	
4-19-00	1110	DAS-T4-S1-0-0.5FT	C		X			3			2		1		1			
4-19-00	1110	DAS-T4-S1-0-0.5FT-FD	C		X			3			2		1		1			
4-19-00	1225	DAS-T4-S1-3-6 FT	C		X			3			2		1				1	
4-19-00	1225	DAS-T4-S1-3-6 FT-FD	C		X			3			2		1				1	
4-19-00	0945	DAS-T3-S1-0-0.5FT	C		X			3			2		1		1			
4-19-00	1020	DAS-T3-S1-3-6FT	C		X			3			2		1				1	
4-19-00	0930	DAS-T3-S2-0-0.5FT	C		X			3			2		1					
4-19-00	1000	DAS-T3-S2-3-6 FT	C		X			3			2		1				1	
4-19-00	0915	DAS-T3-S3-0-0.5FT	C		X			3			2		1					
4-19-00	0935	DAS-T3-S3-3-6FT	C		X			3			2		1				1	
4-19-00	1005	DAS-T5-S1-0-0.5FT	C		X			3			2		1					
4-19-00	1105	DAS-T5-S1-3-6 FT	C		X			3			2		1				1	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			[signature]	4-19-00	1700			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
			FEDEX 8187-0379-1576	4-19-00	1900			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL	STL-SL LOG NO.	LABORATORY REMARKS:
			YES / NO			

Serial Number 018966

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

STL Savannah Laboratories
a division of Severn Trent Laboratories, Inc

- (X) 5102 LaRoche Avenue, Savannah, GA 31404 — Phone: (912) 354-7858 — Fax: (912) 352-0165
- ( ) 2846 Industrial Plaza Drive, Tallahassee, FL 32301 — Phone: (850) 878-3994 — Fax: (850) 878-9504
- ( ) 900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
- ( ) 6712 Benjamin Rd., Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049

PROJECT REFERENCE: Solutia-Sequet Area 1	PROJECT NO.: 23548	PROJECT LOCATION (STATE): IL
STL (LAB) PROJECT MANAGER: Angie Stewart	P.O. NUMBER: Bill to Solutia	CONTRACT NO.:
CLIENT (SITE) PM: Kimberly Perry	CLIENT PHONE: 314-842-4550	CLIENT FAX: 314-842-3066
CLIENT NAME: Solutia Inc.	CLIENT EMAIL:	
CLIENT ADDRESS: St. Louis, MO		
COMPANY CONTRACTING THIS WORK (if applicable):		

PAGE 2 OF 2

STANDARD REPORT DELIVERY (X)
DATE DUE _____
EXPEDITED REPORT DELIVERY (SURCHARGE) ( )
DATE DUE _____
NUMBER OF COOLERS SUBMITTED PER SHIPMENT: 1

REQUIRED ANALYSES

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)	VOC's (5035/8260B) Cool	SVOC/PCB/Herb/Pest 8270C/6xS/8151A/8081A Cool	Metals/Hg/Cyanide 6010B/7471A/9010B Cool	VOC Bull Sample Cool	VOC Bull Sample Cool	REMARKS
4-19-00	1020	DAS-T5-S2-0-0.5FT	C		X			3	2	1			
4-19-00	1043	DAS-T5-S2-3-6FT	C		X			3	2				
4-19-00	1040	DAS-T5-S3-0-0.5FT	C		X			3	2	1			
4-19-00	1135	DAS-T5-S3-3-6FT	C		X			3	2	1			
4-19-00		TEMP BLANK		X									
4-19-00		VOC BLANK (TRIP)		X				3					

NUMBER OF CONTAINERS SUBMITTED

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			William E. Wright	04-19-00	1900			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
			FED EX 8187-0379-1576	04-19-00	1900			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	STL-SL LOG NO.	LABORATORY REMARKS:
			YES			

FedEx *USA Airbill* FedEx Tracking Number 8187 0379 1576

SDA22

Form I.D. No. 0215

1 From Please print and press hard.

Date 04-19-00 Sender's FedEx Account Number 1187-9587-3

Sender's Name William E. Wright Phone (314) 842-4550

Company O'BRIEN & GERE

Address 12250 WEBER HILL RD

Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63127

2 Your Internal Billing Reference First 24 characters will appear on invoice. 23548.040.003

3 To Recipient's ~~BETSY BEAUBEAUCHAMP~~ Angie Stewart Phone (912) 354-7858

Company SAVANNAH LABRATORIES

Address 5102 LAROCHE AVE

To "HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

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.

0126730793

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 Envelope/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 Envelope/Letter*
- [ ] FedEx Pak*
- [x] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg.

6 Special Handling — Include FedEx address in Section 3.

- [ ] 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 on 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	36	$ .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

SRW 0100-Rev. Date 8/99-Part #154813-©1994-99 FedEx-PRINTED IN U.S.A.

Serial Number 018909

Savannah Laboratories
a division of Severn Trent Laboratories, 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: (850) 878-3994 Fax: (850) 878-9504
○ 900 Lakeside Drive, Mobile, AL 36693 Phone: (334) 666-6633 Fax: (334) 666-6696
○ 6712 Benjamin Rd., Suite 100, Tampa, FL 33634 Phone: (813) 885-7427 Fax: (813) 885-7049

PROJECT REFERENCE: Solutia - Sugar Area 1	PROJECT NO.: 23548	PROJECT LOCATION (STATE): IL	PAGE 1 OF 1
STL (LAB) PROJECT MANAGER: Angie Stewart	P.O. NUMBER: Bill to Solutia	CONTRACT NO.	STANDARD REPORT DELIVERY ⊗
CLIENT (SITE) PM: Kimberly Perry	CLIENT PHONE: 314-842-4550	CLIENT FAX: 314-842-3266	DATE DUE
CLIENT NAME: Solutia Inc.	CLIENT EMAIL		EXPEDITED REPORT DELIVERY (SURCHARGE) ○
CLIENT ADDRESS: St. Louis, MO			DATE DUE
COMPANY CONTRACTING THIS WORK (if applicable):			NUMBER OF COOLERS SUBMITTED PER SHIPMENT: 1

REQUIRED ANALYSES

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)	SVOC/TRB/Hardness/8270C/8260/SGSLA/8081A (Cool)	Metals/HS/Cyanide/6010B/7470A/9010B (Cool)	VOC Bulk Sample (Cool)	VOC Bulk Sample (Cool)				REMARKS
4-20-00	1000	DAS-T4-S2-0-0.5FT	C		X			2	1	1	X				
4-20-00	1015	DAS-T4-S3-0-0.5FT	C		X			2	1	1	X				
4-20-00	1015	DAS-T4-S3-0-0.5FT-MS/MSD	C		X			2	1	1	X				
4-20-00	1045	DAS-T6-S1-0-0.5FT	C		X			2	1	1	X				
4-20-00	1120	DAS-T6-S2-0-0.5FT	C		X			2	1	1	X				
4-20-00	1140	DAS-T6-S3-0-0.5FT	C		X			2	1	1	X				
4-20-00	1315	DAS-T7-S1-0-0.5FT	C		X			2	1	1	X				
4-20-00	1220	DAS-T7-S2-0-0.5FT	C		X			2	1	1	X				
4-20-00	—	TEMP BLANK		X											

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			[signature]	4-20-00	1900			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
			FEDEX 8187 0379 1532	4-20-00	1900			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	STL-SL LOG NO.	LABORATORY REMARKS:
			YES NO			

FedEx USA Airbill FedEx Tracking Number 8187 0379 632

Form I.D. No. 0218 Sender's Copy

1 From Please print and press hard

Date 4-20-00 Sender's FedEx Account Number 1187-9587-3

Sender's Name COLIN WELLENKAMP Phone (314) 842-4550

Company O'BRIEN & GERE

Address 12250 WEBER HILL RD

Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63127

2 Your Internal Billing Reference First 24 characters will appear on invoice. 23548.040.002

3 To

Recipient's Name BETSY BEAUBEAUCHAMP Phone (912) 354-7858

Company SAVANNAH LABRATORIES

Address 5102 LAROCHE AVE

To "HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

City SAVANNAH State GA ZIP 31404

NEW Positive 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.

0126730793

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

6 Special Handling — Include FedEx address in Section 3

- [ ] 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 Dangerous Goods Shipper's Declaration not required.

- [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	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

SRW 0100 • Rev. Date 8/99 • Part #153813 • © 1994-99 FedEx • PRINTED IN U.S.A.

PULL AND RETAIN THIS COPY BEFORE AFFIXING TO THE PACKAGE

Serial Number 018910

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Savannah Laboratories
a division of Severn Trent Laboratories, Inc

- (X) 5102 LaRoche Avenue, Savannah, GA 31404 — Phone: (912) 354-7858 — Fax: (912) 352-0165
- ( ) 2846 Industrial Plaza Drive, Tallahassee, FL 32301 — Phone: (850) 878-3994 — Fax: (850) 878-9504
- ( ) 900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
- ( ) 6712 Benjamin Rd., Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049

PROJECT REFERENCE: Solutia - Sauget Area II	PROJECT NO.: 23548	PROJECT LOCATION (STATE): IL	PAGE 1 OF 2
STL (LAB) PROJECT MANAGER: Annie Stewart	P.O. NUMBER: Bill to Solutia	CONTRACT NO:	STANDARD REPORT DELIVERY: (X) DATE DUE:
CLIENT (SITE) PM: Kimberly Perry	CLIENT PHONE: 314-842-4550	CLIENT FAX: 314-842-3266	EXPEDITED REPORT DELIVERY (SURCHARGE): ( ) DATE DUE:
CLIENT NAME: Solutia Inc.	CLIENT EMAIL:		
CLIENT ADDRESS: St. Louis, MO			NUMBER OF COOLERS SUBMITTED PER SHIPMENT: 1
COMPANY CONTRACTING THIS WORK (if applicable):			

REQUIRED ANALYSES

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)	VOC's 15035/8260B COOL	SVOC/PCB/Herb/Pest 8270C/680/8151A/8081A COOL	Metals/Hg/Cyanide 6010B/7471A/9010B COOL	VOC Bulk Sample COOL				REMARKS
4-20-00	1335	DAS-T4-S2-3-6 FT	C		X			3	2	1	1				
4-20-00	1355	DAS-T4-S3-3-6 FT	C		X			3	2	1	1				
4-20-00	1435	DAS-T6-S1-3-6 FT	C		X			3	2	1	1				
4-20-00	1455	DAS-T6-S2-3-6 FT	C		X			3	2	1	1				
4-20-00	1510	DAS-T6-S3-3-6 FT	C		X			3	2	1	1				
4-20-00	1315	DAS-T7-S1-0-0.5 FT	C		X			3							
4-20-00	1220	DAS-T7-S2-0-0.5 FT	C		X			3							
4-20-00	1000	DAS-T4-S2-0-0.5 FT	C		X			3							
4-20-00	1015	DAS-T4-S3-0-0.5 FT	C		X			3							
4-20-00	1615	DAS-T7-S1-3-6 FT	C		X			3	2	1	1				
4-20-00	1555	DAS-T7-S2-3-6 FT	C		X			3	2	1	1				
4-20-00	1015	DAS-T4-S3-0-0.5 FT-MS/MSD	C		X			3							MS/MSD

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			[signature]	4-20-00	1900			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
			FedEx 818703790521	4-20-00	1900			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	STL-SL LOG NO.	LABORATORY REMARKS:
			YES NO			

Serial Number 018953

STL Savannah Laboratories
a division of Severn Trent Laboratories, 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: (850) 878-3994 — Fax: (850) 878-9504
900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
6712 Benjamin Rd., Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049

PROJECT REFERENCE: Solutia-Sauget Area 1	PROJECT NO.: 23548	PROJECT LOCATION (STATE): IL	PAGE 2 OF 2
STL (LAB) PROJECT MANAGER: Angie Stewart	P.O. NUMBER: Bill to Sol. Inc	CONTRACT NO:	STANDARD REPORT DELIVERY ☒
CLIENT (SITE) PM: Kimberly Perry	CLIENT PHONE: 314-842-4550	CLIENT FAX: 314-842-3266	DATE DUE:
CLIENT NAME: Solutia Inc.	CLIENT EMAIL:		EXPEDITED REPORT DELIVERY (SURCHARGE) ○
CLIENT ADDRESS: St. Louis, MO			DATE DUE:
COMPANY CONTRACTING THIS WORK (if applicable):			NUMBER OF COOLERS SUBMITTED PER SHIPMENT: 1

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)	VOCs (5035/8260A)	COOL	REMARKS
4-20-00	1045	DAS-T6-S1-0-0.5FT	C		X			3		
4-20-00	1120	DAS-T6-S2-0-0.5FT	C		X			3		
4-20-00	1140	DAS-T6-S3-0-0.5FT	C		X			3		
4-20-00		TEMP BLANK		X						
4-20-00		TRIP BLANK		X				3		

LINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			[signature]	4-20-00	1900			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
			Fedex 8187 0379 1521	4-20-00	1900			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL	STL-SL LOG NO.	LABORATORY REMARKS:
			YES / NO			

241A-28

FedEx USA Airbill FedEx Tracking Number 8187 0379 1521

Form Type No. 0 FedEx Sender's Copy

1 From Please print and press hard.

Date 4-20-00 Sender's FedEx Account Number 1187-9587-3

Sender's Name DEHaverdink Phone (314) 842-4550

Company O'BRIEN & GERE

Address 12250 WEBER HILL RD Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63127

2 Your Internal Billing Reference First 24 characters will appear on invoice 23548.040 ; 003

3 To Recipient's Name A. Stewart ~~BETSY BEAUBEAUCHAMP~~ Phone (912) 354-7858

Company SAVANNAH LABRATORIES

Address 5102 LAROCHE AVE
To "HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept./Floor/Suite/Room

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.

0126730793

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

6 Special Handling — Include FedEx address in Section 3.

- [ ] 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	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

SRW 8100 • Rev. Date 8/99 • Part #154813 • ©1994-99 FedEx • PRINTED IN U.S.A.

PULL AND RETAIN THIS COPY BEFORE AFFIXING TO THE PACKAGE

JE Haverdin

CLIENT CHAIN OF CUSTODY 1 of 2 **SAMPLER'S SIGNATURE** Lty P. Wl **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 to Solutia

(SOL05 /FMS)

Data to be reported to the state of MO.

Analysis Wanted (2): Dioxin (8280)

Total Number of Containers: 10

Turn Around Time (In Calendar Days):

Sample ID (3)	Date / Time	Preservation (4)	Matrix	Sample Amt.	Dioxin (8280)					Remarks
DAS-T4-S2-0-0.5FT	4-20-00/1000	Cool	soil	500ml	X					
DAS-T4-S3-0-0.5FT	4-20-00/1015	Cool	soil	500ml	X					
DAS-T4-S3-0-0.5FT ms/msD	4-20-00/1015	Cool	soil	500ml	X					ms/msD
DAS-T6-S1-0-0.5FT	4-20-00/1045	cool	soil	500ml	X					
DAS-T6-S1-3-6FT	4-20-00/1435	cool	soil	500ml	X					
DAS-T6-S2-0-0.5FT	4-20-00/1120	cool	soil	500ml	X					
DAS-T6-S3-0-0.5FT	4-20-00/1140	cool	soil	500ml	X					
DAS-T7-S1-0-0.5FT	4-20-00/1315	cool	soil	500ml	X					
DAS-T7-S2-0-0.5FT	4-20-00/1220	cool	soil	500ml	X					
TEMP BLANK	4-20-00	cool	WATER							

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
JE Haverdin	4-20-00/1900	Fed Ex 817094231808			

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.

CLIENT CHAIN OF CUSTODY 2 of 2 **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

(SOL05 /FMS)

Contact: ~~A. Cork~~
Phone: 314-393-3721
Fax: 314-674-8957
P.O # (1): direct bill Solutia

Data to be reported to the state of MO.

Analysis Wanted (2): DIOXIN (8280A)

Total Number of Containers: 4

Turn Around Time (In Calendar Days):

Sample ID (3)	Date / Time	Preservation (4)	Matrix	Sample Amt.	DIOXIN (8280A)					Remarks
DAS-T3-S3-0-0.5FT-EB	4-20-00 0820	cool, $Na_2S_2O_3$	water	2 l	X					
DAS-T5-S1-0-0.5FT-EB	4-20-00 0930	cool, $Na_2S_2O_3$	water	2 l	X					

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
[signature]	4-20-00/1900	FedEx 8170 9423 1808			

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 8170 9423 1808 Form I.D. No. 0215

1 From Please print and press hard

Date 4-20-00 Sender's FedEx Account Number 1187-9587-3

Sender's Name DE Haverdink Phone (314) 842-4550

Company O'BRIEN & GERE

Address 12250 Weber Hill Rd ~~5000 CEDAR PLAZA PKWY STE 211~~ Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128 7

2 Your Internal Billing Reference First 24 characters will appear on invoice 23548.040.002

3 To

Recipient's Name FRANK STEVENS Phone (919) 544-5729

Company TRIANGLE LABORTIES

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

0119392504

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	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

SRP 1109 · Rev. Date 11/98 · Part #154813S · © 1994-98 FedEx · PRINTED IN U.S.A.

RETAIN THIS COPY FOR YOUR RECORDS

Serial Number 016199

Savannah Laboratories
a division of Severn Trent Laboratories, 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: (850) 878-3994 Fax: (850) 878-9504
○ 900 Lakeside Drive, Mobile, AL 36693 Phone: (334) 666-6633 Fax: (334) 666-6696
○ 6712 Benjamin Rd., Suite 100, Tampa, FL 33634 Phone: (813) 885-7427 Fax: (813) 885-7049

PROJECT REFERENCE: Sauget Area 1
PROJECT NO.: 23548
PROJECT LOCATION (STATE): IL
STL (LAB) PROJECT MANAGER: H. Stewart
P.O. NUMBER: direct bill Solutia
CONTRACT NO:
CLIENT (SITE) PM: K. Dolly
CLIENT PHONE:
CLIENT FAX:
CLIENT NAME: Solutia, Inc.
CLIENT EMAIL:
CLIENT ADDRESS: St. Louis, MO
COMPANY CONTRACTING THIS WORK (if applicable):

PAGE 1 OF 1

STANDARD REPORT DELIVERY ☒
DATE DUE
EXPEDITED REPORT DELIVERY (SURCHARGE) ○
DATE DUE

NUMBER OF COOLERS SUBMITTED PER SHIPMENT: 1

REQUIRED ANALYSES

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)	SVOCs (8270C)	PCBs (680)	PESTs (8081A)	HERBs (8151A)	Metals (6010B)	Mercury (7470A)	Cyanide (9010B)			REMARKS
								← cool				HNO_3	HNO_3	NaOH →			
4-20-00	0820	DAS-T3-S3-0-0.5FT-ER	G	X				2	2	2	2	1	1	1			
4-20-00		Temp blank		X													

NUMBER OF CONTAINERS SUBMITTED

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
J. Bradford	4/10/00		J E Hanover	4-20-00	1900			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
J E Hanover	4-11-00		FedEx 818703791624	4-20-00	1900			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	STL-SL LOG NO.	LABORATORY REMARKS:
			YES NO			

241A-33

FedEx USA Airbill FedEx Tracking Number 8187 0375 4624

Form Ep. No. 0215

1 From Please print and press hard

Date 4-20-00 Sender's FedEx Account Number 1187-9587-3

Sender's Name DE Haverdink Phone (314) 842-4550

Company O'BRIEN & GERE

Address 12250 WEBER HILL RD Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63127

2 Your Internal Billing Reference First 24 characters will appear on invoice 23548.040.002

3 To Recipient's Name ~~BETSY BEAUBEAUCHAMP~~ A. Stewart Phone (912) 354-7858

Company SAVANNAH LABRATORIES

Address 5102 LAROCHE AVE
To "HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

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.

0126730793

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

6 Special Handling — Include FedEx Express Saturday Delivery

- [ ] 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? (See back of this bill)

- [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: (See back of this bill)

- [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

SRW Billing Key: Date B2B Ref. (1) Ship to Comp. 98 FedEx Ship (1) 8187 U.S.A.

PULL AND RETAIN THIS COPY BEFORE AFFIXING TO THE PACKAGE

LABORATORIES
a division of Sev Laboratories, Inc.
6712 Benjamin Rd., Suite 100, Tampa, FL 33634 Phone: (813) 885-7 Fax: (813) 885-7049

PROJECT REFERENCE: Sauget Area 1	PROJECT NO.: 23548	PROJECT LOCATION (STATE): IL	PAGE 1 OF 1
STL (LAB) PROJECT MANAGER: A. Stewart	P.O. NUMBER: direct bill Solutia	CONTRACT NO.	STANDARD REPORT DELIVERY ☒ DATE DUE
CLIENT (SITE) PM: K. Petty	CLIENT PHONE	CLIENT FAX	EXPEDITED REPORT DELIVERY (SURCHARGE) ○ DATE DUE
CLIENT NAME: Solutia, Inc.	CLIENT EMAIL		
CLIENT ADDRESS: St. Louis, MO			
COMPANY CONTRACTING THIS WORK (if applicable):			NUMBER OF COOLERS SUBMITTED PER SHIPMENT: 1

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)	VOCs (8260B)	SVOCs (8270C)	PCBs (680)	Pests (608A)	HERBs (8151A)	Metals (6010B)	Mercury (7470A)	Cyanide (9010B)			REMARKS
								HCl					HNO_3	HNO_3	NaOH			
								←			Cool				→			
4-20-00	0930	DAS-T5-S1-0-0.5 FT-EB	G	X				3	2	2	2	2	1	1	1			
4-20-00	0820	DAS-T3-S3-0-0.5 FT-EB	G	X				3										
4-20-00		Trip blank		X				3										
4-20-00		Temp blank		X														

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	4/11/00	7:55	[signature]	4-20-00	1900			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
[signature]	4-20-00	0800	FedEx 8187 0379 1543 ~~8170 8321 1749~~	4-20-00	1900			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	STL-SL LOG NO.	LABORATORY REMARKS:
			YES NO			

FedEx USA Airbill FedEx Tracking Number 8187 0370 543

Form I.D. No. 0215

1 From Please print and press hard

Date 4-20-00 Sender's FedEx Account Number 1187-9587-3

Sender's Name DE Haverdink Phone (314) 842-4550

Company O'BRIEN & GERE

Address 12250 WEBER HILL RD

Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63127

2 Your Internal Billing Reference First 24 characters will appear on invoice 23548.040.002

3 To Recipient's Name A. Stewart ~~BETSY BEAUBEAUCHAMP~~ Phone (912) 354-7858

Company SAVANNAH LABRATORIES

Address 5102 LAROCHE AVE

To "HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes

Dept./Floor/Suite/Room

City SAVANNAH State GA ZIP 31404

NEW FEDEX INTERNATIONAL 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

0126730793

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 Envelope/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 — * Declared value limit $500

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

6 Special Handling (Include FedEx address in Section 3)

[ ] 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 1 — Total Weight 43 — 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

PULL AND RETAIN THIS COPY BEFORE AFFIXING TO THE PACKAGE

Section 3.19

3.19. Background Soil Samples

3.19.1. Rationale/Design

Background soil samples were collected at the locations of the background (upgradient) ground water wells, specifically Existing Wells EE-20, EE-04, and EEG-108, which are east of Sites I, H, and L, respectively. As permission for access to Well Location EE-04 could not be obtained from the property owner, a substitute location was chosen (EE-04-SUB). The Solutia representative approved this location, which is east of EE-04 (Figure 2). Samples were collected from depths of 0 to 0.5 foot and 3 to 6 feet below ground surface. Surface and subsurface soil sampling stations were co-located. Visual observation (discoloration) and PID readings were recorded. In addition to chemical analysis of the surface soils, a change order was approved for geotechnical physical analysis. (See Section 3.19.4.1 for the change order and Section 3.19.4.3 for physical analysis data results.) VOC samples were collected using EnCore™ samplers per USEPA Method 5035.

Number of Background Soil Samples 6

Analyses:

Bulk Density*	USCOE Method EM 1110-2-1906, Appendix II
Cyanide	USEPA Method 9010B
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*	ASTM Method D854
SVOCs	USEPA Method 8270C
VOCs	USEPA Method 5035/8260B

(* - Analysis performed for surface soils only.)

Sampling locations were selected in the field with the concurrence of USEPA Region V or its designee.

3.19.2. 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.

3.19.3. Field Procedures

Prior to performing field work, a Preparatory Inspection Meeting attended by a representative of each of the interested parties was held (Section 3.19.4.2).

Field procedures for collection of background surface and subsurface soil samples followed the procedures for collection of surface and subsurface soil samples in undeveloped areas as described in Section 3.17.3, except for the following difference:

- Direct push technology, using a MacroCore® sampler with clear acetate liners was used for collection of all (versus some) background subsurface soil samples.

3.19.4. Documentation

The change order for soil physical analysis is included in Section 3.19.4.1. Field logs generated are in Record Book Nos. 2 and 3 (Appendix D). Figure 2 depicts the background soil sample locations. The Thompson Engineering report for soil physical analysis is in Section 3.19.4.3. Chain-of-custody forms are included in Section 3.19.4.4.

Documentation for this task continues on the next page.

3.19.4.1. Change Orders and Deviation/Clarification Log

cc Jane
Bradley
Beauchamp
→ Cork Pil
Nestor Pil

2

PROJECT CHANGE ORDER

'F EN & GERE ENGINEERS, INC.
ECT 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

UBMITTED TO Kimberly Perry COMPANY Solutia Inc
UBMITTED 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 REVERS

245A-1

LOUIS\DIVISION\ADMIN\1999\PCORQUST.WPD

3.19.4.2. Preparatory Inspection Meeting Form

PREPARATORY INSPECTION MEETING

Conducted by/Company: DE Haverdink / O'Brien + Gere **Date:** 24 JAN 00
Project Name: Solutia - Sauger Area 1 **Task:** Background soil samples

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 1 surface sample and 1 subsurface sample of soil at locations of background (upgradient) groundwater sampling; 6 total samples

(2) · Surface samples collected from 0-0.5 ft w/ stainless steel bowls + spoons, possibly hand augers, by OBG personnel; EnCore® sample from in-place soil
· Subsurface samples collected from 3-6 ft w/ MacroCore® sampler and direct push technology by Harriss and OBG; sample composited w/ stainless steel bowls + spoons; EnCore® sample from top of sampler (3')

(3) FSP # 5.19 ; HASP # 2.8

(4) Incomplete recovery → step over to an adjacent location and collect again

(5) Restore disturbed areas

(6) Soil sampling will take place concurrently with upgrad. GW sampling

ATTENDANCE:

EMPLOYEE NAME (print)	EMPLOYEE SIGNATURE	COMPANY
Ken LAFFERTY	[signature]	MAVERICK
Jim HARRISS	[signature]	HARRISS DRILLING
William E. Wright	[signature]	OBG
E. Kemper	[signature]	RFW
Kimberly Perry	[signature]	Solutia

IF ADDITONAL SPACE IS REQUIRED, RECORD ON REVERSE SIDE

cc: K. Perry 24 JAN 00
E. Kemper @ 1800

DE Haverdink / DE Haverdink
PRINTED NAME/ SIGNATURE OF PREPARER

24 JAN 00
DATE

3.19.4.3. Thompson Engineering Report

Thompson Engineering

MARCH 3,2000

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

JOB #: 1999-00-0774
LAB #: 3853

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

SAMPLE IDENTIFICATION: BS-EEG-108-0-0.5'
SAMPLE DESCRIPTION: FINE SANDY SILT

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

.... LABORATORY RESULTS ....

(a): SAMPLE HEIGHT (cm):	10.373
(b): SAMPLE DIAMETER (cm):	10.160
(c): SAMPLE AREA (cm2):	81.073
(d): SAMPLE VOLUME (cc):	841.00
(e): MASS OF WET SPECIMEN (g):	1770.1
(f): MASS OF DRY SPECIMEN (g):	1484.4
(g): MASS OF CONTAINER (g):	169.90
(h): MASS OF CONTAINER & WET SPECIMEN (g):	433.20
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	390.70
(j): MASS OF WATER (g):	42.50
(k): MASS OF DRY SPECIMEN (g):	220.80
(l): WATER CONTENT (%):	**19.25**
(m): WET DENSITY (PCF):	**131.34**
(n): DRY DENSITY (PCF):	**110.14**
(o): SPECIFIC GRAVITY:	2.653
(p): VOLUME OF SOLIDS (cc):	559.51
(q): VOID RATIO:	**0.50**
(r): DEGREE OF SATURATION (%):	101.50
(s): POROSITY (%):	**33.47**

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

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: BS-EEG-108- 0-0.5'

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

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

(A) WEIGHT OF PYCNOMETER (g):	168.56	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	247.93	
(C) WEIGHT OF SAMPLE (g):	79.37	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	667.64	
(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):	717.09	
(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)):	2.653	
CORRECTION FACTOR (K):	1.000196	
(Gs @ 20 C =(Gs @ T1)*K:)	2.653	

SPECIFIC GRAVITY:	**2.653**

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

MARCH 3,2000

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

JOB #: 1999-00-0774
LAB #: 3852

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

SAMPLE IDENTIFICATION: BS-EE04-0-0.5'-SUB
SAMPLE DESCRIPTION: CLAY, TRACE SAND

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

.... LABORATORY RESULTS ....

(a): SAMPLE HEIGHT (cm):	8.627
(b): SAMPLE DIAMETER (cm):	10.160
(c): SAMPLE AREA (cm2):	81.073
(d): SAMPLE VOLUME (cc):	699.42
(e): MASS OF WET SPECIMEN (g):	1319.9
(f): MASS OF DRY SPECIMEN (g):	1002.1
(g): MASS OF CONTAINER (g):	162.90
(h): MASS OF CONTAINER & WET SPECIMEN (g):	374.30
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	323.40
(j): MASS OF WATER (g):	50.90
(k): MASS OF DRY SPECIMEN (g):	160.50
(l): WATER CONTENT (%):	**31.71**
(m): WET DENSITY (PCF):	**117.76**
(n): DRY DENSITY (PCF):	**89.40**
(o): SPECIFIC GRAVITY:	2.618
(p): VOLUME OF SOLIDS (cc):	382.77
(q): VOID RATIO:	**0.83**
(r): DEGREE OF SATURATION (%):	100.36
(s): POROSITY (%):	**45.27**

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

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: BS-EE04-0-0.5' -SUB

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

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

(A) WEIGHT OF PYCNOMETER (g):	169.86	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	221.76	
(C) WEIGHT OF SAMPLE (g):	51.90	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	668.78	
(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):	700.85	
(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)):	2.617	
CORRECTION FACTOR (K):	1.000176	
(Gs @ 20 C =(Gs @ T1)*K:)	2.618	

SPECIFIC GRAVITY:	**2.618**

MATERIALS ENGINEERING LABORATORY

249A-4

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

Thompson Engineering

MARCH 3,2000

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

JOB #: 1999-00-0774
LAB #: 3858

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

SAMPLE IDENTIFICATION: EE20-0-0.5'
SAMPLE DESCRIPTION: SILT, TRACE SAND

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

.... LABORATORY RESULTS ....

(a): SAMPLE HEIGHT (cm):	7.991
(b): SAMPLE DIAMETER (cm):	10.160
(c): SAMPLE AREA (cm2):	81.073
(d): SAMPLE VOLUME (cc):	647.84
(e): MASS OF WET SPECIMEN (g):	1226.3
(f): MASS OF DRY SPECIMEN (g):	977.5
(g): MASS OF CONTAINER (g):	156.80
(h): MASS OF CONTAINER & WET SPECIMEN (g):	366.80
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	324.20
(j): MASS OF WATER (g):	42.60
(k): MASS OF DRY SPECIMEN (g):	167.40
(l): WATER CONTENT (%):	**25.45**
(m): WET DENSITY (PCF):	**118.12**
(n): DRY DENSITY (PCF):	**94.16**
(o): SPECIFIC GRAVITY:	2.619
(p): VOLUME OF SOLIDS (cc):	373.25
(q): VOID RATIO:	**0.74**
(r): DEGREE OF SATURATION (%):	90.59
(s): POROSITY (%):	**42.39**

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

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: EE-20-0-0.5'

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

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

(A) WEIGHT OF PYCNOMETER (g):	178.53	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	226.78	
(C) WEIGHT OF SAMPLE (g):	48.25	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	677.25	
(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):	707.07	
(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)):	2.618	
CORRECTION FACTOR (K):	1.000196	
(Gs @ 20 C =(Gs @ T1)*K:)	2.619	

SPECIFIC GRAVITY:	**2.619**

MATERIALS ENGINEERING LABORATORY

249A-6

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

3.19.4.4. Chain-of-Custody Forms

Figure 1. *Example chain-of-custody*

Project Name: Support Sampling . Sauget Area 1 Site, Solutia Inc.
Job No. [redacted]54.8
Sheet 1 of 1

Office: O'BRIEN & GERE ENG
Address: 12250 WEBER HILL Rd. ST. LOUIS, MO 63127
Phone: (314) 842-4550

CHAIN OF CUSTODY

Cooler Temperature _____

CLIENT: SOLUTIA, INC.
LOCATION: SAUGET, IL, AREA 1.

COLLECTED BY: (Signature) [signature]

SAMPLE DESCRIPTION/LOCATION	Date	Time	Sample Matrix[1]	Sample Type[2]	No. of Containers	ANALYSIS REQUESTED[3]	Sample Preservation
FASED-CSE-S17-0-28"	[redacted]		SEDIMENT	COMPOSITE	1	GRAIN SIZE	NONE
DSEE04-0-5'-Sub			SOIL			* SEE BELOW	
FASED-CSE-S15-0-19"	[redacted]		SEDIMENT			GRAIN SIZE	
FASED-CSE-S5E-0-24"	[redacted]						
FASED-CSE-S13E-0-21"	[redacted]						
FASED-CSE-S14W-0-31"	[redacted]						
FASED-CSE-S4E-0-17"	[redacted]						
FASED-CSE-S12-0-21"	[redacted]						
FASED-CSD-S4-0-23"	[redacted]						
FASED-CSF-S39S-0-26"	[redacted]						
FASED-CSF-S4-0-7"	[redacted]						

~~FASED-CSF-S4-0-7"~~ FASED-CSF-S23-0-15"

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
Relinquished by: COLIN WELLENKAMP of: O'BRIEN & GERE	2-17-00	1723	Received by: 12610X1608102757 16 of: UPS	2/17/00	1723
Relinquished by: of:			Received by: [signature] of: THOMPSON ENG.	2-21-00	1200
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:		

* Bulk density, moisture content, specific gravity

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. Havenrdink

SAMPLE DESCRIPTION/LOCATION	Date	Time	Sample Matrix[1]	Sample Type[2]	No. of Containers	ANALYSIS REQUESTED[1]	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 [1] VOC - USEPA 8260, 8270, 6010 [2] Type = grab, composite

Relinquished by	Date	Time	Received by	Date	Time
David E. Havenrdink of: O'Brien + Gere	17FEB00	1725	1Z610X160E10275225 of: UPS	2/7/00	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:		

Figure 1. *Example chain-of-custody*

Project Name: Support Sampling . Sauget Area 1 Site. Solutia Inc
Job No. 25548
Sheet 1 of 1

Office: O'Brien + Gere
Address: 12250 Weber Hill Rd., St. Louis, MO 63127 CHAIN OF CUSTODY
Phone: 314-842-4550 Cooler Temperature _____

CLIENT: Solutia Inc.
LOCATION: Sauget Area 1
COLLECTED BY: (Signature) [signature]

SAMPLE DESCRIPTION/LOCATION	Date	Time	Sample Matrix[1]	Sample Type[2]	No. of Containers	ANALYSIS REQUESTED[1]	Sample Preservation
FASED-BPL-S1-0-10"	[illegible]		SEDIMENT	COMPOSITE	1	Grain size	None
FASED-BPL-S2-0-10"	[illegible]		SEDIMENT			↓	
BS-EEG-108 0-5ft	[illegible]		SOIL			* see below	
FASED-BPL-S8-0-4"	[illegible]					Grain size	
FASED-BPL-S4-0-10"	[illegible]						
FASED-BPL-S5-0-9"	[illegible]						
FASED-BPL-S6-0-11"	[illegible]						
FASED-BPL-S7-0-18"		[illegible]	[illegible]	[illegible]			
FASED-BPL-S7-0-4"	[illegible]						
FASED-CSB-S10W-0-4"	[illegible]		↓	↓	↓	↓	↓

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

Relinquished by	Date	Time	Received by	Date	Time
Relinquished by: COLIN WELLENKAMP of: O'BRIEN & GERE	2-17-00	1725	Received by: 1Z6-10X16605 10275743 of: UPS	2-17-00	1725
Relinquished by: _____ of: _____			Received by: [signature] of: THOMPSON ENG.	2-21-00	1200
Relinquished by: _____ of: _____			Received by: _____ of: _____		
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: _____			Received by: _____ of: _____		

* Bulk density, moisture content, specific gravity

Serial Number 190449

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

5702 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 Bill to Solutia

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE
IL	William E. Wright	FAX

CLIENT NAME	CLIENT PROJECT MANAGER
Solutia Inc	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: PCB (6500); SVOCs (SW8270C); VOCs (SW8260B); Metals (Lead); Mercury (7471A); Explosives (8330); PCBs (SW8082); Metals (SW6010B); VOCs (SW8260B); Lead

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	PCB (6500)	SVOCs (SW8270C)	VOCs (SW8260B)	Metals (Lead)	Mercury (7471A)	Explosives (8330)	PCBs (SW8082)	Metals (SW6010B)	VOCs (SW8260B)	Lead	REMARKS
			Cool					Cool	Cool	Cool		Cool				Cool		
~~01/24/00~~	~~1040~~		~~EE20-~~															
01/24/00	1040		BS-EE20-0.5FT					1	1	1		1				X		
01/24/00	1115		BS-EE20-3-6 FT					1	1	1		1				X		
01/24/00	—		Temp Blank															

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			William E. Wright	01/24/00	1900			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
			Fed Ex 8170-9423-8352	01/24/00	1900			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			☐ YES ☐ NO			

251A-4

FedEx USA Airbill FedEx Tracking Number 8170 9422 8352

1 From Please print and press hard

Date 01/24/00 Sender's FedEx Account Number 1187-9587-3

Sender's Name Colin Wellenkamp 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 23548.030.009

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

Sender's Copy

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 of the choices)

- [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	15	$ .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 #154813S · © 1994-98 FedEx · PRINTED IN U.S.A.

RETAIN THIS COPY FOR YOUR RECORDS

LIENT CHA OF CUSTODY SAMPLER'S SIGNATURE [signature] Project/Quote 04998/9900001

From (1): Solutia, Inc.
575 Maryville Center Drive
St. Louis, MO 63141

Contact: Ms. Kimberly Perry
Phone: 314 393 3721
Fax: 314 674 8952

Project (1): Sauget Area 1 Support Sampling

P.O.# (1): ~~03~~ Direct Bill to Solutia

SOL05 /FMS)

Data to be reported to the state of MO.

Analysis Wanted (2): Dioxin (8280) | Dioxin (8270)

Total Number of Containers: ~~8~~ 5

Turn Around Time (In Calendar Days):

ample ID (3)	Date / Time	Preservation (4)	Matrix	Sample Amt.	Dioxin (8280)	Dioxin (8270)				Remarks
-EE20-0.5FT	01-24-00/1040	cool	soil	500 ml	X					
-EE20-3.6FT	01-24-00/1115	cool	soil	500 ml	X					
GW-EE20-60FT	01-24-00/1615	$Na_2S_2O_3$, cool	water	2, 1 liter	[illegible]	X				
emp Blank	01-24-00 1800	cool	water							

elinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
[signature]	01/24/00 1900	Fed Ex 5176-9423-1565			

eceived 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

irections:
(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.

251A-6

FedEx USA Airbill Fedex Tracking Number 8170 9423 1565

8DA12

0215

1 From Please print and press hard

Date 01-24-00 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 23548.030.009

3 To

Recipient's Name FRANK STEVENS Phone (919) 544-5729

Company TRIANGLE LABORTIES

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

0119392504

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 cannot be declared

- [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	22	$ 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

RETAIN THIS COPY FOR YOUR RECORDS

Serial Number 021293

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

STL Savannah Laboratories
a division of Severn Trent Laboratories, Inc

5102 LaRoche Avenue, Savannah, GA 31404 — Phone: (912) 354-7858 — Fax: (912) 352-0165
2846 Industrial Plaza Drive, Tallahassee, FL 32301 — Phone: (850) 878-3994 — Fax: (850) 878-9504
900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
6712 Benjamin Rd., Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049

PROJECT REFERENCE: Sauget Area 1
PROJECT NO.: 23548
PROJECT LOCATION (STATE): TL
STL (LAB) PROJECT MANAGER: B. Beauchamp
P.O. NUMBER: Direct Bill 10 Solutia
CONTRACT NO:
CLIENT (SITE) PM: Kimberly Perry
CLIENT PHONE:
CLIENT FAX:
CLIENT NAME: Solutia Inc
CLIENT EMAIL:
CLIENT ADDRESS: St. Louis, MO
COMPANY CONTRACTING THIS WORK (if applicable):

PAGE 1 OF 1
STANDARD REPORT DELIVERY: X
DATE DUE:
EXPEDITED REPORT DELIVERY (SURCHARGE): O
DATE DUE:
NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

REQUIRED ANALYSES

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)	VOC's (SW8260)	Metals (SW6010)	Mercury (SW7470A)	Cyanide (SW9010B)	SVOC's (SW8270)	PCB's (8082)	Pesticides (SW8081A)	Herbicides (SW8151A)		VOC's (SW5035/8260B)	REMARKS
								HCL	HNO3	HNO3	NaOH							
								Cool	Cool	Cool	Cool	Cool	Cool	Cool	Cool		Cool	
01-24-00	1615	UG-GW-EE20-60FT	G	X				3	1	1	1	2	2	2	2			
01-24-00	Ens/1040	BS-EE20-0.5FT			X												3	
01-24-00	1115	BS-EE20-3-6FT			X												3	
01-24-00	—	Trip Blank		X				3										
01-24-00	—	Temp Blank		X														

NUMBER OF CONTAINERS SUBMITTED

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
F Swafford	12/7/99	5:25	William E Wright	01-24-00	1900			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
William E Wright	12/9/99	0800	Fed Ex 8170-9427-8330	01-24-00	1900			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	STL-SL LOG NO.	LABORATORY REMARKS:
			YES NO			

251A-8

CLIENTS FIELD COPY

FedEx USA Airbill FedEx Tracking Number 8170 9422 8330

1 From Please print and press hard

Date 01-24-00 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. 23548.030.009

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 Package

- [ ] 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 ___ 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	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

Ship (1) Form No. 1150 • Part #154813-5 • © 1994-98 FedEx • PRINTED IN U.S.A.

RETAIN THIS COPY FOR YOUR RECORDS

251A-9

Fax

To:	Frank Stevens	**From:**	Dave Haverdink
Fax:	919-544-5491	**Pages:**	2
Phone:		**Date:**	25 JAN 00
Re:		**CC:**	

☒ **Urgent** ☐ **For Review** ☐ **Please Comment** ☐ **Please Reply** ☐ **Please Recycle**

Please note the correction to the following COC which was shipped on 24 JAN 00. Please call me with questions at 314-280-6435.

CLIENT CHAIN OF CUSTODY SAMPLER'S SIGNATURE William E. Wright Project/Quote 04998/9900001069

From (1): Solutia, Inc.
575 Maryville Center Drive
St. Louis, MO 63141

Project (1): Sauget Area 1 Support Sampling

Contact: Ms. Kimberly Perry
Phone: 314 391 3721
Fax: 314 674 8957
P.O.# (1): ~~03~~ Direct Bill to Solutia

(SOL05 /FMS)

Data to be reported to the state of MO

Analysis Wanted (2): Dioxin (8280) | Dioxin (8270)

Total Number of Containers: ~~8~~ 5

Turn Around Time (In Calendar Days):

Sample ID (3)	Date / Time	Preservation (4)	Matrix	Sample Amt.	Dioxin (8280)	Dioxin (8270)				Remarks
BS-EE20-0.5FT	01-24-00/1040	cool	soil	500 ml	X					
BS-EE20-3.6FT	01-24-00/1115	cool	soil	500 ml	X					
UG-GW-EE20-60FT	01-24-00/1615	$Na_2S_2O_3$, cool	water	2, 1 liter	~~X~~ JSH	X				
Temp Blank	01-24-00 1800	cool	water							

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
William E. Wright	01/24/00 1900	Fed Ex 8176-9423-1565			

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.

251A-11

HP LaserJet 3100
Printer/Fax/Copier/Scanner

SEND CONFIRMATION REPORT for
Maverick Construction Managemen
781 245 5468
Jan-25-00 8:11AM

Job	Start Time	Usage	Phone Number or ID	Type	Pages	Mode	Status
698	1/25 8:10AM	1'11"	919+544+5491	Send.....	2/ 2	144	Completed.....

Total 1'11" Pages Sent: 2 Pages Printed: 0

Seaget Site Field Office

Fax

To: Frank Stevens From: Dave Haverdink
Fax: 919-544-5491 Pages: 2
Phone: Date: 25 JAN 00
Re: CC:

☒ Urgent ☐ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

Please note the correction to the following COC which was shipped on 24 JAN 00. Please call me with questions at 314-270-6425.

CLIENT CHAIN OF CUSTODY

SAMPLER'S SIGNATURE [illegible] Project/Quote 04961/990000[illegible]

From (1): Solutia, Inc.
575 Maryville Center Drive
St. Louis, MO 63141

Project (1): Sauget Area 1 Support Sampling

(90U06 /FMS)

Contact: Mr. Alan Cork
Phone: 314-842-4550
Fax: 314-674-8957
PO # (1): Bill to Solutia

Data to be reported to the state of MO.

Analysis Wanted (2): Dioxin (8280)

Total Number of Containers: 4

Turn Around Time (In Calendar Days)

Sample ID (3)	Date / Time	Preservation (4)	Matrix	Sample Amt.	Dioxin (8280)					Remarks
[illegible]-0.5FT-SUB	01-26-00/0858	cool	soil	500 ml	X					
[illegible]-0.5FT-SUB-FD	01-26-00/0858	cool	soil	500 ml	X					
[illegible]-7.6FT-SUB	01-26-00/0940	cool	soil	500 ml	X					
Temp Blank	01/26/00	cool	water							

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
[illegible]	01/26/00 / 1900	FedEx 8170-9423-1587			

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.

251A-14

FedEx USA Airbill FedEx Tracking Number 8170 9423 1587

1 From Please print and press hard.

Date 01-26-00 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. 23548.000.009

3 To

Recipient's Name FRANK STEVENS Phone (919) 544-5729

Company TRIANGLE LABORTIES

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.

01193925

DUMAC

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	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

RETAIN THIS COPY FOR YOUR RECORDS

ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

2 Benjamin Road, Suite 100, Tampa, FL 33634
Alpha Drive, Suite 110, Destrehan, LA 70047
Phone: (504) 764-1100 Fax (504) 725-1163

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
[illegible]	[illegible]	[illegible]

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE / FAX
	[illegible]	

CLIENT NAME	CLIENT PROJECT MANAGER
[illegible]	[illegible]

CLIENT ADDRESS (CITY, STATE, ZIP): [illegible]

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: VOC (8260B) / Metals (Cd, Cr, Pb) / Pesticides (8081A) / SVOC (8270C) PCB (608) / VOC (8260B)

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)	Metals (Cd, Cr, Pb)	Pesticides (8081A)	SVOC (8270C) PCB (608)	VOC (8260B)	REMARKS
5-26-00	0855		BS-E04-0.5-1-SUB	X				3	1	1	1	1	
5-26-00	0858		BS-E04-0.5-1 SUB-FD	X				3	1	1	1	1	
5-26-00	0940		BS-E04-3-6 FT-SUB	X				3	1	1	1	1	
5-26-00	—		Trip Blank				X	3					
5-26-00	—		Temp Blank	X									

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY (SIGNATURE)	DATE	TIME	RELINQUISHED BY (SIGNATURE)	DATE	TIME
[illegible]			[illegible]	[illegible]	[illegible]			

RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
[illegible]	[illegible]		5-10-[illegible]-308	[illegible]	[illegible]			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			☐ YES ☐ NO			

251A-15

FedEx USA Airbill FedEx Tracking Number 8170 9422 8308

1 From Please print and press hard

Date 01-26-00 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 23548.030.009
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?

- [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	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

SRP 1193 • Rev. Date 11/98 • Part #154813S • © 1994-96 FedEx • PRINTED IN U.S.A.

RETAIN THIS COPY FOR YOUR RECORDS

Serial Number 021292

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Savannah Laboratories
a division of Severn Trent Laboratories, Inc

5102 LaRoche Avenue, Savannah, GA 31404 — Phone: (912) 354 7858 — Fax: (912) 352 0165
2846 Industrial Plaza Drive, Tallahassee, FL 32301 — Phone: (850) 878-3994 — Fax: (850) 878-9504
900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
6712 Benjamin Rd., Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049

PROJECT REFERENCE: Sauget Area 1
PROJECT NO: 23598
PROJECT LOCATION (STATE): IL
STL (LAB) PROJECT MANAGER: B. Beauchamp
P.O. NUMBER: Direct Bill to Solutia
CONTRACT NO.:
CLIENT (SITE) PM: Solo K. Perry
CLIENT PHONE:
CLIENT FAX:
CLIENT NAME: Solutia Inc
CLIENT EMAIL:
CLIENT ADDRESS: St Louis, MO
COMPANY CONTRACTING THIS WORK (if applicable):

PAGE 1 OF 1

STANDARD REPORT DELIVERY: X
DATE DUE:
EXPEDITED REPORT DELIVERY (SURCHARGE): O
DATE DUE:
NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

REQUIRED ANALYSES

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)	VOC's (8260B) HCL cool	Metals (6010B) HNO3 cool	Mercury (7470A) HNO3 cool	Cyanide (9010B) NaOH cool	SVOC (8270C) cool	PCB (680) cool	Pesticides (8081A) cool	Herbicides (8151A) cool	VOC's (8260)		REMARKS
01-27-00	0835	BS-EEG-108-0.5FT-EB		X				3	1	1	1	2	2	2	2			
01-27-00	1215	UGGW-EE04-100FT-SUB		X												3		
01-27-00	1215	UGGW-EE04-100FT-SUB-FD		X												3		
01-27-00	1500	Trip Blank		X												3		
01-27-00	—	Temp Blank		X														

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
F. Swafford	12/7/99	5:25	[signature]	01-27-00	1900			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
[signature]	12/9/99	1900	Fed Ex 8187-0373-2050	01-27-00	1900			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	STL-SL LOG NO.	LABORATORY REMARKS:
			YES NO			

251A-17

CLIENTS FIELD COPY

FedEx USA Airbill FedEx Tracking Number 8187 0379 2080

From Please print and press hard.

Date 1-27-00 Sender's FedEx Account Number 1187-9587-3

Sender's Name BILL WRIGHT Phone (314) 842-4550

Company O'BRIEN & GERE

Address 12250 WEBER HILL RD

Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63127

Your Internal Billing Reference 23548.030.009

To

Recipient's Name BETSY BEAUBEAUCHAMP Phone (912) 354-7858

Company SAVANNAH LABRATORIES

Address 5102 LAROCHE AVE

To "HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

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.

0126730793

Sender's Copy

4a Express Package Service Packages up to 150 lbs.

- [X] FedEx Priority Overnight
- [ ] FedEx Standard Overnight
- [ ] FedEx First Overnight
- [ ] FedEx 2Day*
- [ ] FedEx Express Saver*

4b Express Freight Service Packages over 150 lbs.

- [ ] FedEx 1Day Freight*
- [ ] FedEx 2Day Freight
- [ ] FedEx 3Day Freight

* Call for Confirmation:

5 Packaging

- [ ] FedEx Envelope/Letter*
- [ ] FedEx Pak*
- [X] Other Pkg.

6 Special Handling

- [ ] SATURDAY Delivery
- [ ] SUNDAY Delivery
- [ ] HOLD Weekday at FedEx Location
- [ ] HOLD Saturday at FedEx Location

Does this shipment contain dangerous goods?

- [X] No
- [ ] Yes
- [ ] Yes
- [ ] Dry Ice
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging.

7 Payment Bill to:

- [ ] Sender
- [ ] 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

SRW 0100+Rev. Date 8/98+Part #154913+©1994-98 FedEx+PRINTED IN U.S.A.

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 to Solutia

(SOL05 /FMS)

Data to be reported to the state of MO.

Analysis Wanted (2): Dioxin (8290) | ~~Dioxin (8280)~~ | Dioxin (8280)

Total Number of Containers: 10

Turn Around Time (In Calendar Days):

Sample ID (3)	Date / Time	Preservation (4)	Matrix	Sample Amt.	Dioxin (8290)	~~Dioxin (8280)~~	Dioxin (8280)			Remarks
UGGW-EE04-100FT-SUB	01-27-00 1215	$Na_2S_2O_3$, cool	water	2, 1 liter	X					
BS-EEG108-0.5FT-EB	01-27-00 0835	$Na_2S_2O_3$, cool	water	2, 1 liter	[illegible]		X			
UGGW-EE04-100FT-SUB-FD	01-27-00 1215	$Na_2S_2O_3$, cool	water	2, 1 liter	X					
BS-EEG108-0.5FT	01-27-00 1535	cool	soil	500 ml			X			
BS-EEG108-3-6FT	01-27-00 1615	cool	soil	500 ml			X			
BS-EEG108-3-6FT-MS/MSD	01-27-00 1615	cool	soil	500 ml			X			
Temp Blank	01-27-00 1800	cool	water							

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
[signature]	01-27-00 1900	Fed Ex 8170-9423 1598			

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 8170 9423 1598

From Please print and press hard.

Date 1-27-00 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

Your Internal Billing Reference 23548.030.009

To

Recipient's Name FRANK STEVENS Phone (919) 544-5729

Company TRIANGLE LABORTIES

Address 801 CAPITOLA DR

Dept./Floor/Suite/Room

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

0215

4a Express Package Service — Packages up to 150 lbs.

- [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.

- [ ] 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	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

SRP 1189 • Rev. Date 11/95 • Part # 154125 • © 1994-98 FedEx • PRINTED IN U.S.A.

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: Sauget Area 1
PROJECT NO.: 23548
P.O. NUMBER: Direct Bill to Solutia
PROJECT LOC. (State): IL
SAMPLER(s) NAME: William E. Wright
PHONE:
FAX:
CLIENT NAME: Solutia Inc
CLIENT PROJECT MANAGER: Kimberly Perry
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	VOC's (5035/8260B)	VOC's (8260B)	SVOC's (8270C)	PCB's (8080)	Metals (6010B)	Mercury (7471A)	Cyanide (9010B)	Pests (8081A)	Herbicides (8151A)	VOC's (Bulk)					REMARKS
								C001	C001	C001	C001	C001	C001									
01-27-00	1535		BS-EEG-108-0.5FT		X			3		1	1	1	1									
01-27-00	1615		BS-EEG-108-3-6FT		X			3		1	1	1	1									
01-27-00	1615		BS-EEG-108-3-6FT-MS/MSD		X			3		1	1	1	1									
01-27-00	1800		Trip Blank	X					3													
01-27-00	—		Temp Blank																			

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	1/7/99	9:20	[signature]	01-27-00	1900			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
[signature]	1/9/99		FED EX 8187-0379-2068	01-27-00	1902			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			☐ YES ☐ NO			

251A-21

FedEx USA Airbill FedEx Express Tracking Number 8187 0379 2068

From: Please print and press hard

Date 01-27-00 Sender's FedEx Account Number 1187-9587-3

Sender's Name Bill Wright Phone (314) 842-4550

Company O'BRIEN & GERE

Address 12250 WEBER HILL RD

Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63127

Your Internal Billing Reference First 24 characters will appear on invoice. 23548.030.009

To: Recipient's Name BETSY BEAUBEAUCHAMP Phone (912) 354-7858

Company SAVANNAH LABRATORIES

Address 5102 LAROCHE AVE

FedEx operates at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

City SAVANNAH State GA ZIP 31404

NEW Peel and Stick FedEx USA Airbills

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.

0126730793

SBA22

Sender's Copy

4a Express Package Service — Packages up to 150 lbs.

- [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 Envelope/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 Envelope/Letter*
- [ ] FedEx Pak*
- [x] Other Pkg. (Includes FedEx Box, FedEx Tube, and customer pkg.)

6 Special Handling — _____ indicate FedEx address in Section 3. _____

- [ ] 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	26	$ .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

SBA 0100 Rev. Date 8/95 Part # 158134-95 FedEx PRINTED IN U.S.A.

Serial Number 018939

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Savannah Laboratories
a division of Severn Trent Laboratories, Inc

- (X) 5102 LaRoche Avenue, Savannah, GA 31404 — Phone: (912) 354-7858 — Fax: (912) 352-0165
- ( ) 2846 Industrial Plaza Drive, Tallahassee, FL 32301 — Phone: (850) 878-3994 — Fax: (850) 878-9504
- ( ) 900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
- ( ) 6712 Benjamin Rd., Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049

PROJECT REFERENCE: SAUGET AREA 1	PROJECT NO: 23548	PROJECT LOCATION (STATE): IL	PAGE 1 OF 1
STL (LAB) PROJECT MANAGER: B. BEAUCHAMP	P.O. NUMBER: DIRECT BILL TO SOLUTIA	CONTRACT NO:	STANDARD REPORT DELIVERY (X) DATE DUE
CLIENT (SITE) PM: K. PERRY	CLIENT PHONE:	CLIENT FAX:	EXPEDITED REPORT DELIVERY (SURCHARGE) ( ) DATE DUE
CLIENT NAME: SOLUTIA, INC	CLIENT EMAIL:		
CLIENT ADDRESS: ST. LOUIS MO			NUMBER OF COOLERS SUBMITTED PER SHIPMENT: 1
COMPANY CONTRACTING THIS WORK (if applicable):			

MATRIX TYPE: COMPOSITE (C) OR GRAB (G) INDICATE; AQUEOUS (WATER); SOLID OR SEMISOLID; AIR; NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)

REQUIRED ANALYSES — NUMBER OF CONTAINERS SUBMITTED

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)	VOC (SW8260B)	METALS (SW6010A) HNO3 COOL	MERCURY (SW7470A) HNO3 COOL	CYANIDE (SW9010A) NaOH COOL	SVOCs (SW8270C) COOL	PCBs (SW8270C) COOL	PESTICIDES (SW8081A) COOL	HERBICIDES (SW8151A) COOL	VOCs (5035/8260B)		REMARKS
3-9-00	1140	AA-I-[illegible]-MS	G	X				3										
3-9-00	1210	[illegible]	G	X				3										
3-9-00	1115	AA-I-[illegible]	G	X				3	1	1	1	2	2	2	2			
3-9-00	1045	BS-EEG-108-0.5 FT-REPLACE	G		X											3		
3-9-00	1045	BS-EEG-108-0.5 FT-REPLACE-MS/MSD	G		X											3		
3-9-00	1050	BS-EEG-108-3-6 FT-REPLACE	G		X											3		
3-9-00	—	[illegible]		X														
3-9-00	—	[illegible]		X				3										

251A-23

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			[illegible]	3-9-00	1900			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
			[illegible]	3-9-00	1900			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES NO	CUSTODY SEAL NO.	STL-SL LOG NO.	LABORATORY REMARKS:

CLIENTS FIELD COPY

SDA22

FedEx *USA Airbill* FedEx Tracking Number 8187 0379 1808

Form I.D. No. 0215

1 From *Please print and press hard*

Date 3-9-00 Sender's FedEx Account Number 1187-9587-3

Sender's Name DE Haverdink Phone (314) 842-4550

Company O'BRIEN & GERE

Address 12250 WEBER HILL RD

Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63127

2 Your Internal Billing Reference First 24 characters will appear on invoice 23548.030.008

3 To

Recipient's Name BETSY BEAUBEAUCHAMP Phone (912) 354-7858

Company SAVANNAH LABRATORIES

Address 5102 LAROCHE AVE

To "HOLD" at FedEx location, print FedEx address

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

Dept./Floor/Suite/Room

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

6 Special Handling — Include FedEx address on Section 3

- [ ] 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 checked

- [X] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, ft. 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	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

0126730793

SNW 0160 • Rev. Date 8/99 • Part #154813 • © 1994-99 FedEx • PRINTED IN U.S.A.

PULL AND RETAIN THIS COPY BEFORE AFFIXING TO THE PACKAGE

251A-24

3.18. Developed Area Soil Sampling

3.18.1. Rationale/Design

Surface Sampling – Surface soil samples (0 to 0.5 foot below ground surface) were collected in 20 locations in developed areas. Soil samples were collected at three residences adjacent to Transects 1 to 6 and at two residences adjacent to Transect 7. In addition to chemical analysis of the surface soils, a change order was approved for soil physical analysis. (See Section 3.18.4.1 for the change order and Section 3.18.4.3 for physical analysis data results.)

Number of Developed Area Surface Soil Samples	20

Analyses:

Bulk Density	USCOE Method EM 1110-2-1906, Appendix II
Cyanide	USEPA Method 9010B
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	ASTM Method D854
SVOCs	USEPA Method 8270C
VOCs	USEPA Method 5035/8260B

Sampling locations were selected in the field with the concurrence of USEPA Region V or its designee.

Subsurface Sampling – Subsurface soil samples (three to six feet below ground surface) were collected in 20 locations in developed areas. Soil samples were collected at three residences adjacent to Transects 1 to 6 and at two residences adjacent to Transect 7. Visual observation (discoloration) and field PID readings were recorded for the samples. Surface and subsurface soil sampling stations were co-located. VOC samples were collected using EnCore™ samplers per USEPA Method 5035.

Number of Developed Area Subsurface Soil Samples	20

Analyses:

Cyanide	USEPA Method 9010B
Herbicides	USEPA Method 8151A
Mercury	USEPA Method 7471A
Metals	USEPA Method 6010B
PCBs	USEPA Method 680
Pesticides	USEPA Method 8081A
SVOCs	USEPA Method 8270C
VOCs	USEPA Method 5035/8260B

Sampling locations were selected in the field with the concurrence of USEPA Region V or its designee.

Dioxin Sampling – As requested by USEPA Region V, 100% of the surface soil samples were analyzed for dioxin (deviation log presented in Section 3.18.4.1). To provide information for the HHRA (construction/utility worker exposure), USEPA Region V directed that 20% of the subsurface soil samples be analyzed for dioxin.

Number of Developed Area Surface Soil Dioxin Samples	20
Number of Developed Area Subsurface Soil Dioxin Samples	4

Analyses:

Dioxin	USEPA Method 8280A

Sampling locations were selected in the field with the concurrence of USEPA Region V or its designee. One sample location was changed in the field at the request of the USEPA Region V Remedial Project Manager.

3.18.2. 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.

3.18.3. Field Procedures

Prior to performing field work, a Preparatory Inspection Meeting attended by a representative of each of the interested parties was held (Section 3.18.4.2).

Field procedures for collection of surface and subsurface soil samples in developed areas followed the procedures for collection of surface and subsurface soil samples in undeveloped areas as described in Section 3.17.3, except for the following differences:

- Sealable, disposable plastic bags (versus bowls) were used to homogenize the developed area soil samples.

- Direct push technology using a MacroCore® sampler with clear acetate liners was used for collection of all (versus some) developed area subsurface soil samples.

3.18.4. Documentation

The change order for geotechnical physical analysis and the deviation for 100% dioxin analysis of surface samples are included in Section 3.18.4.1. Field logs generated are included in Record Book Nos. 3 and 4 (Appendix D). Figure 2 depicts developed area soil sample locations. The Thompson Engineering reports for soil physical analysis are included in Section 3.18.4.3. Chain-of-custody forms are included in Section 3.18.4.4.

Documentation for this task continues on the next page.

3.18.4.1. Change Orders and Deviation/Clarification Log

cc Yane
Bradley P.
Beauchamp P.
→ Cork P.
Weston P.

PROJECT CHANGE ORDER

O'BRIEN & GERE ENGINEERS, INC.
PROJECT NAME: Solutia Sauget Area 1

PCO 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 Health RA: Soil Bulk Density, Soil Specific Gravity, Moisture Content & pH

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

CHANGE 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

Note

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 Spend sheet.

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

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

IF ADDITIONAL SPACE IS REQUIRED, RECORD ON REVERS

TLOUIS\DIVISION\ADMIN\1999\PCORQUST.WPD

DEVIATION LOG

INDIVIDUAL REQUESTING DEVIATION / COMPANY: DE Haversdink / O'Brien + Gere

DATE 04 APR 00

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

PROJECT NAME Solutia - Sauget Area 1

PROJECT LOCATION Developed area soil samp.

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) Developed area soil sampling

(2) FSP # 5.18.3

(3) USEPA comment on the Developed Area Soil Sampling Plan

(4) Collect samples for dioxin analyses (SW 8280A) from 100% of the surface soil sample locations (instead of 20%)

(5) Sampling spoons, composite containers, PAE, sample containers

(6) Potential increase in labor hours ~~and~~ for preparation, sampling, packing, and shipping; Increase in shipping costs

(7) None

cc: K. Perry 04APR00
USEPA @ 1830

DE Haversdink / DE Haversdink
PRINTED NAME / SIGNATURE OF PREPARER

Kimberly Perry / Kimberly Perry 4/5/00
PRINTED NAME / SIGNATURE OF SOLUTIA REP / DATE

04 APR 00
DATE

PRINTED NAME / SIGNATURE OF USEPA REP / DATE

IF ADDITIONAL SPACE IS REQUIRED, RECORD ON REVERSE SIDE

3.18.4.2. Preparatory Inspection Meeting Forms

PREPARATORY INSPECTION MEETING

Conducted by/Company: DE Haverdink / O'Brien + Gere **Date:** 18 Apr 00
Project Name: Solutia - Sauget Areal **Task:** Developed area soil sampling

1. Scheduled Work: see below
2. Equipment, Procedures, Personnel: " "
3. Ref. To App. Sec. of FSP/HASP: FSP # 5.18 HASP #2.8
4. Issues that could arise and how to resolve: See below
5. Solutia comments: " "
6. EPA comments: " "

① Collection of soil samples in developed areas

② Equip.: stainless steel sampling spoons + hand augers, shovel, samp. containers, direct push soil sampler + equip., PPE, PID

Procedures: Collect soil samples @ addresses on attached sheet; sample @ low areas in yards where feasible; use shovel to remove sod from surface + lay it aside, sample surface soil 0-0.5 FT w/ spoon + composite for non-VOC anal., collect VOC samp. using EnCore; use direct push sampler (MacroCore) to collect subsurface sample 3-6 FT, collect VOC sample @ 3FT, composite remainder, use PID to screen 3-6 FT interval + record; use hand auger if direct push not feasible; restore subsurface w/ bentonite + surface w/ topsoil, replace sod; div. samples collected @ 100% of surface locations + 20% of subsurface locations; samp. personnel to attempt notification of residents prior to sampling, carry copies of access letters, and place letters in door/mailbox upon sample completion; see clarification log dated 11-10-99 regarding subsurface sampling, see deviation log dated 4-4-00 regarding div. samp

OVER →

ATTENDANCE:

EMPLOYEE NAME (print)	EMPLOYEE SIGNATURE	COMPANY
Kimberly Perry	[illegible]	Solutia
KEN LAFFERTY	[illegible]	MATRICK
Nick Jenkins	[illegible]	OBG
Jim Ledesco	[illegible]	OBG
CHUCK HARRISS	Chuck Harriss	HARRISS DRILLING

cc: K. Perry 18 Apr 00
USEPA @ 1900

IF ADDITONAL SPACE IS REQUIRED, RECORD ON REVERSE SIDE

DE Haverdink / [illegible]
PRINTED NAME/ SIGNATURE OF PREPARER

18 Apr 00
DATE

(2) (continued)

Personnel : OBG → soil samp. & restoration
Harris → direct push operation
Zambrano → survey / GPS

(3) see above

(4)
- refusal or insufficient samp. volume → resolve by collecting additional volume @ adjacent location from appropriate interval
- utilities marked close to staked samp. location (or other physical obstruction) → resolve by moving sample location away from obstruction

(5)
- collected composite will be on ice until placed into containers (@ shed, w/ provisions collect spillage)
- physical parameters collected in addition to chemical parameters for surface samples
- pre probe to 3' w/ direct push sampling, then collect sample from 3-6 ft bg

(6) none

Develope ı Soil Sampling

Parcel No.	Owner Name	Address	City	State	Zip	Telephone	Property Address	ID	Tenant Information
01-35.0-202-016	LAUMAN, ALBERT (letter sent 4/7/00; verbal approval 4/12))	2123 NW 118 TERRACE	OKLAHOMA CITY	OK	73120	405-749-0523	105 JUDITH LANE*	T1-A	Towler, Cindy (618-332-7440); approved 4/12
01-35.0-202-041/2	LEWIS, LARRY	113 JUDITH LANE	CAHOKIA	IL	62206	618-337-4751	113 JUDITH LANE*	T1-C	signed agreement 4/11
01-35.0-203-001	WRIGHT, ROBERT	100 JUDITH LANE	CAHOKIA	IL	62206	618-337-1025	100 JUDITH LANE*	T1-D	signed agreement 4/11
01-35.0-201-008	WILKENSEN, LLOYD L	103 WALNUT ST	CAHOKIA	IL	62206	618-337-4460	103 WALNUT ST*	T2-A	signed agreement 4/12
01-35.0-201-010	CARTER, ALAN	107 WALNUT ST	CAHOKIA	IL	62206	618-332-0202 (b)618-583-0661	107 WALNUT ST*	T2-B	signed agreement 4/12
01-35.0-201-011	VANDEVER, DEBORAH	109 WALNUT ST	CAHOKIA	IL	62206	618-332-2360 (w)314-658-1929	109 WALNUT ST*	T2-C	signed agreement 4/13
01-35.0-103-005	CROSSIN, DANNY R & BECKY A	19 DAVID ST	CAHOKIA	IL	62206	618-337-9296	19 DAVID ST*	T3-B	signed agreement 4/11
01-35.0-103-016	SCHMIDT, LELA	61 DAVID ST	CAHOKIA	IL	62206	618-337-1459	61 DAVID ST*	T3-C	signed agreement 4/11
01-35.0-106-003	SHEPARD, LOUIS & PAULYNE	3325 BARBER ST	CAHOKIA	IL	62206	618-337-3943	3325 BARBER ST*	T3-D	signed agreement 4/11
01-35.0-205-005	PRICE, LARRY & SHARON	109 EDWARD ST	CAHOKIA	IL	62206	618-337-1263 (w)314-466-8149	109 EDWARD ST*	T4-A	signed agreement 4/12
01-35.0-205-007	NELSON, PEGGY	117 EDWARD	CAHOKIA	IL	62206	618-337-6194	117 EDWARD ST*	T4-B	signed agreement 4/12
01-35.0-205-009	BLASDEL, BILL W & IRENE	125 EDWARD	CAHOKIA	IL	62206	618-337-7249	125 EDWARD ST	T4-C	signed agreement 4/13
01-35.0-105-007	GODDARD, FRANKLIN	12 SCHOOL ST	CAHOKIA	IL	62206		12 SCHOOL ST (alt)	T5-B	
01-35.0-105-031	BEASLEY, WOODROW & MAXINE	3420 BARBER ST	CAHOKIA	IL	62206	618-337-6186	3420 BARBER ST*	T5-D	signed agreement 4/11
01-35.0-106-012	OESTRICKER, RONALD F & DEBORAH	3415 BARBER ST	CAHOKIA	IL	62206	618-337-9839	3415 BARBER ST*	T5-E	signed agreement 4/11
01-35.0-309-001	THOMAS, BILLY E & TERRY C	32 KINDER ST	CAHOKIA	IL	62206	618-337-3878	100 KINDER ST*	T6-A	signed agreement 4/14
01-35.0-309-016	DALLAS, SUE	1312 JULIE St	CAHOKIA	IL	62206	618-337-8346	105 JEROME LN*	T6-D	6-unit apartment; owner signed agreement 4/13
01-35.0-310-006	CROCKETT, MICHAEL & LINDA	3 LITTLE ESTATES	CAHOKIA	IL	62206	618-332-6890	100 JEROME LN*	T6-E	vacant; signed agreement 4/13
01-35.0-305-037	ILLINOIS QUAIL RUN L.L.C.	6 VISTA BROOK	ST LOUIS	MO	63124		17 CIRCLE CREEK DR*	T7-C	Annette Foster
01-35.0-305-037	ILLINOIS QUAIL RUN L.L.C	6 VISTA BROOK	ST LOUIS	MO	63124	618-337-7139	18 CIRCLE CREEK DR*	T7-D	Jerry Harris approved 4/12

237A-3

11086

3.18.4.3. Thompson Engineering Report

Thompson Engineering

LETTER OF TRANSMITTAL

To: O'Brien & Gere Engineers, Inc.	Date: 06/22/00	Job No. 1999-00-0774
5000 Cedar Plaza Pkwy. Suite	Re: Solutia Sauget Area 1 Project	
St. Louis, MO 63128		
Attention: Mr. Bill Wright		

We Are Sending You X Attached _ Under Separate cover via ___ the following items

COPIES	DATE	NO.	DESCRIPTION
1	06/22/00	20	Specific Gravity of Soils (ASTM D 854)
1	06/22/00	20	Unit Weight and Moisture Content - USCOE EM 1110-2-1906 Appendix II (Volumetric Method)
1	04/24/00	2	Chain of Custody

These are Transmitted as checked below

__ For approval __ For your use X As requested __ For review and comment

Remarks Thompson Engineering Testing, Inc. appreciates the opportunity to be of continued service to O'Brien & Gere Engineers, Inc. If there are any questions regarding this submittal, please feel free to call.

B. Dwayne Smith
Project Engineer
Alabama Registration No. 22779

Dale Nobles
Materials Laboratory Manager

239A-1

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JUNE 6, 2000 JOB #: 1999-00-0774

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

SAMPLE IDENTIFICATION: DAS-T1-S1-0-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 5/22/00	TESTED: L. BAXLEY

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

(A) WEIGHT OF PYCNOMETER (g):	171.90	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	257.76	
(C) WEIGHT OF SAMPLE (g):	85.86	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	670.64	
(E) TEMP. OF PYCNOMETER AND WATER (C):	20.4	
(F) DENSITY OF WATER @ T1(g/ml):	0.998149	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	723.48	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	20.4	
(I) DENSITY OF WATER @ T2 (g/ml):	0.998149	

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

(Gs @ T1)= C/((C+(D-G)):	2.600	
CORRECTION FACTOR (K):	0.999915	
(Gs @ 20 C =(Gs @ T1)*K:)	2.600	

SPECIFIC GRAVITY:	**2.600**

Leroy Baxley
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

JUNE 20, 2000

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

JOB #: 1999.00.0774
LAB #: 4163

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

SAMPLE IDENTIFICATION: DAS-T1-S1-0-0.5FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 05/20/00	TESTED: 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):	1645.7
(f): MASS OF DRY SPECIMEN (g):	1430.3
(g): MASS OF CONTAINER (g):	159.50
(h): MASS OF CONTAINER & WET SPECIMEN (g):	377.20
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	348.70
(j): MASS OF WATER (g):	28.50
(k): MASS OF DRY SPECIMEN (g):	189.20
(l): WATER CONTENT (%):	**15.06**
(m): WET DENSITY (PCF):	**108.79**
(n): DRY DENSITY (PCF):	**94.55**
(o): SPECIFIC GRAVITY (Gavg):	2.600
(p): VOLUME OF SOLIDS (cc):	550.10
(q): VOID RATIO:	**0.72**
(r): DEGREE OF SATURATION (%):	54.70
(s): POROSITY (%):	**41.72**

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

THOMPSON ENGINEERING TESTING, INC.

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JUNE 6, 2000 JOB #: 1999-00-0774

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

SAMPLE IDENTIFICATION: DAS-T1-S2-0-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 5/22/00	TESTED: L. BAXLEY

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

(A) WEIGHT OF PYCNOMETER (g):	174.47	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	245.88	
(C) WEIGHT OF SAMPLE (g):	71.41	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	673.40	
(E) TEMP. OF PYCNOMETER AND WATER (C):	20.0	
(F) DENSITY OF WATER @ T1(g/ml):	0.998234	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	717.26	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	20.0	
(I) DENSITY OF WATER @ T2 (g/ml):	0.998234	

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

(Gs @ T1)= C/((C+(D-G)):	2.592	
CORRECTION FACTOR (K):	1.000000	
(Gs @ 20 C =(Gs @ T1)*K:)	2.592	

SPECIFIC GRAVITY:	2.592

Leroy Baxley
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

JUNE 20, 2000

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 4160

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

SAMPLE IDENTIFICATION: DAS-T1-S2-0-0.5FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 05/20/00	TESTED: 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):	1732.5
(f): MASS OF DRY SPECIMEN (g):	1511.4
g): MASS OF CONTAINER (g):	145.60
(h): MASS OF CONTAINER & WET SPECIMEN (g):	386.20
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	355.50
(j): MASS OF WATER (g):	30.70
(k): MASS OF DRY SPECIMEN (g):	209.90
(l): WATER CONTENT (%):	**14.63**
(m): WET DENSITY (PCF):	**114.53**
(n): DRY DENSITY (PCF):	**99.91**
(o): SPECIFIC GRAVITY (Gavg):	2.592
(p): VOLUME OF SOLIDS (cc):	583.12
(q): VOID RATIO:	**0.62**
(r): DEGREE OF SATURATION (%):	61.26
(s): POROSITY (%):	**38.23**

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

THOMPSON ENGINEERING TESTING, INC.

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JUNE 6, 2000 JOB #: 1999-00-0774

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

SAMPLE IDENTIFICATION: DAS-T1-S3-0-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 5/22/00	TESTED: L. BAXLEY

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

(A) WEIGHT OF PYCNOMETER (g):	168.56	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	257.67	
(C) WEIGHT OF SAMPLE (g):	89.11	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	667.52	
(E) TEMP. OF PYCNOMETER AND WATER (C):	20.2	
(F) DENSITY OF WATER @ T1(g/ml):	0.998192	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	722.31	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	20.2	
(I) DENSITY OF WATER @ T2 (g/ml):	0.998192	

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

(Gs @ T1)= C/((C+(D-G)):	2.596	
CORRECTION FACTOR (K):	0.999958	
(Gs @ 20 C =(Gs @ T1)*K:)	2.596	

SPECIFIC GRAVITY:	2.596

Leroy Baxley
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

JUNE 20, 2000

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

JOB #: 1999.00.0774
LAB #: 4166

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

SAMPLE IDENTIFICATION: DAS-T1-S3-0-0.5FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 05/20/00	TESTED: 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):	1877.7
(f): MASS OF DRY SPECIMEN (g):	1581.0
'g): MASS OF CONTAINER (g):	164.00
(h): MASS OF CONTAINER & WET SPECIMEN (g):	377.90
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	344.10
(j): MASS OF WATER (g):	33.80
(k): MASS OF DRY SPECIMEN (g):	180.10
(l): WATER CONTENT (%):	**18.77**
(m): WET DENSITY (PCF):	**124.12**
(n): DRY DENSITY (PCF):	**104.51**
(o): SPECIFIC GRAVITY (Gavg):	2.596
(p): VOLUME OF SOLIDS (cc):	609.01
(q): VOID RATIO:	**0.55**
(r): DEGREE OF SATURATION (%):	88.58
(s): POROSITY (%):	**35.48**

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
THOMPSON ENGINEERING TESTING, INC.

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JUNE 6, 2000 JOB #: 1999-00-0774

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

SAMPLE IDENTIFICATION: DAS-T2-S1-0-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 5/22/00	TESTED: L. BAXLEY

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

(A) WEIGHT OF PYCNOMETER (g):	178.68	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	226.18	
(C) WEIGHT OF SAMPLE (g):	47.50	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	677.20	
(E) TEMP. OF PYCNOMETER AND WATER (C):	20.3	
(F) DENSITY OF WATER @ T1(g/ml):	0.998170	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	706.45	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	20.3	
(I) DENSITY OF WATER @ T2 (g/ml):	0.998170	

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

(Gs @ T1)= C/((C+(D-G)):	2.603	
CORRECTION FACTOR (K):	0.999936	
(Gs @ 20 C =(Gs @ T1)*K:)	2.603	

SPECIFIC GRAVITY:	**2.603**

Leroy Baxley
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

JUNE 20, 2000

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

JOB #: 1999.00.0774
LAB #: 4162

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

SAMPLE IDENTIFICATION: DAS-T2-S1-0-0.5FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 05/20/00	TESTED: 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):	1772.1
(f): MASS OF DRY SPECIMEN (g):	1505.7
(g): MASS OF CONTAINER (g):	160.50
(h): MASS OF CONTAINER & WET SPECIMEN (g):	367.40
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	336.30
(j): MASS OF WATER (g):	31.10
(k): MASS OF DRY SPECIMEN (g):	175.80
(l): WATER CONTENT (%):	**17.69**
(m): WET DENSITY (PCF):	**117.14**
(n): DRY DENSITY (PCF):	**99.53**
(o): SPECIFIC GRAVITY (Gavg):	2.603
(p): VOLUME OF SOLIDS (cc):	578.46
(q): VOID RATIO:	**0.63**
(r): DEGREE OF SATURATION (%):	72.88
(s): POROSITY (%):	**38.72**

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
THOMPSON ENGINEERING TESTING, INC.

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JUNE 6, 2000 JOB #: 1999-00-0774

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

SAMPLE IDENTIFICATION: DAS-T2-S2-0-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 5/22/00	TESTED: L. BAXLEY

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

(A) WEIGHT OF PYCNOMETER (g):	169.50	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	229.61	
(C) WEIGHT OF SAMPLE (g):	60.11	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	668.20	
(E) TEMP. OF PYCNOMETER AND WATER (C):	19.8	
(F) DENSITY OF WATER @ T1(g/ml):	0.998273	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	704.65	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	19.8	
(I) DENSITY OF WATER @ T2 (g/ml):	0.998273	

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

(Gs @ T1)= C/((C+(D-G)):	2.541	
CORRECTION FACTOR (K):	1.000039	
(Gs @ 20 C =(Gs @ T1)*K:)	2.541	

SPECIFIC GRAVITY:	2.541

Leroy Baxley
MATERIALS ENGINEERING LABORATORY

239A-10

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

Thompson Engineering

JUNE 20, 2000

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 4168

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

SAMPLE IDENTIFICATION: DAS-T2-S2-0-0.5FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 05/20/00	TESTED: 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):	1501.9
(f): MASS OF DRY SPECIMEN (g):	1290.5
(g): MASS OF CONTAINER (g):	170.40
(h): MASS OF CONTAINER & WET SPECIMEN (g):	325.30
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	303.50
(j): MASS OF WATER (g):	21.80
(k): MASS OF DRY SPECIMEN (g):	133.10
(l): WATER CONTENT (%):	**16.38**
(m): WET DENSITY (PCF):	**99.28**
(n): DRY DENSITY (PCF):	**85.31**
(o): SPECIFIC GRAVITY (Gavg):	2.541
(p): VOLUME OF SOLIDS (cc):	507.88
(q): VOID RATIO:	**0.86**
(r): DEGREE OF SATURATION (%):	48.47
(s): POROSITY (%):	**46.20**

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

THOMPSON ENGINEERING TESTING, INC.

239A-11

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JUNE 6, 2000 JOB #: 1999-00-0774

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

SAMPLE IDENTIFICATION: DAS-T2-S3-0-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 5/22/00	TESTED: L. BAXLEY

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

(A) WEIGHT OF PYCNOMETER (g):	178.53	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	239.93	
(C) WEIGHT OF SAMPLE (g):	61.40	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	677.08	
E) TEMP. OF PYCNOMETER AND WATER (C):	20.8	
(F) DENSITY OF WATER @ T1(g/ml):	0.998064	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	714.60	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	20.8	
(I) DENSITY OF WATER @ T2 (g/ml):	0.998064	

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

(Gs @ T1)= C/((C+(D-G)):	2.571	
CORRECTION FACTOR (K):	0.999830	
(Gs @ 20 C =(Gs @ T1)*K:)	2.571	

SPECIFIC GRAVITY:	**2.571**

Leroy Baxley
MATERIALS ENGINEERING LABORATORY

239A-12

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

Thompson Engineering

JUNE 20, 2000

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 4164

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

SAMPLE IDENTIFICATION: DAS-T2-S3-0-0.5FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 05/20/00	TESTED: 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):	1682.6
(f): MASS OF DRY SPECIMEN (g):	1244.6
'g): MASS OF CONTAINER (g):	156.10
(h): MASS OF CONTAINER & WET SPECIMEN (g):	376.20
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	318.90
(j): MASS OF WATER (g):	57.30
(k): MASS OF DRY SPECIMEN (g):	162.80
(l): WATER CONTENT (%):	**35.20**
(m): WET DENSITY (PCF):	**111.23**
(n): DRY DENSITY (PCF):	**82.27**
(o): SPECIFIC GRAVITY (Gavg):	2.571
(p): VOLUME OF SOLIDS (cc):	484.08
(q): VOID RATIO:	**0.95**
(r): DEGREE OF SATURATION (%):	95.25
(s): POROSITY (%):	**48.72**

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

THOMPSON ENGINEERING TESTING, INC.

239A-13

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS - ASTM D 854

JUNE 6, 2000 JOB #: 1999-00-0774

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

SAMPLE IDENTIFICATION: DAS-T3-S1-0-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 5/22/00	TESTED: L. BAXLEY

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

(A) WEIGHT OF PYCNOMETER (g):	172.62
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	252.16
(C) WEIGHT OF SAMPLE (g):	79.54
(D) WEIGHT OF PYCNOMETER AND WATER (g):	671.32
(E) TEMP. OF PYCNOMETER AND WATER (C):	20.5
(F) DENSITY OF WATER @ T1(g/ml):	0.998128
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	720.45
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	20.5
(I) DENSITY OF WATER @ T2 (g/ml):	0.998128

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

(Gs @ T1)= C/((C+(D-G)):	2.616
CORRECTION FACTOR (K):	0.999894
(Gs @ 20 C =(Gs @ T1)*K:)	2.615

SPECIFIC GRAVITY:	**2.615**

Leroy Bailey
MATERIALS ENGINEERING LABORATORY

239A-14

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

Thompson Engineering

JUNE 20, 2000

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

JOB #: 1999.00.0774
LAB #: 4165

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

SAMPLE IDENTIFICATION: DAS-T3-S1-0-0.5FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 05/20/00	TESTED: 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):	1815.2
(f): MASS OF DRY SPECIMEN (g):	1467.9
(g): MASS OF CONTAINER (g):	159.50
(h): MASS OF CONTAINER & WET SPECIMEN (g):	385.30
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	342.10
(j): MASS OF WATER (g):	43.20
(k): MASS OF DRY SPECIMEN (g):	182.60
(l): WATER CONTENT (%):	**23.66**
(m): WET DENSITY (PCF):	**119.99**
(n): DRY DENSITY (PCF):	**97.04**
(o): SPECIFIC GRAVITY (Gavg):	2.615
(p): VOLUME OF SOLIDS (cc):	561.34
(q): VOID RATIO:	**0.68**
(r): DEGREE OF SATURATION (%):	90.76
(s): POROSITY (%):	**40.53**

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
THOMPSON ENGINEERING TESTING, INC.

239A-15

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JUNE 6, 2000 JOB #: 1999-00-0774

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

SAMPLE IDENTIFICATION: DAS-T3-S2-0-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 5/22/00	TESTED: L. BAXLEY

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

(A) WEIGHT OF PYCNOMETER (g):	178.82	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	268.16	
(C) WEIGHT OF SAMPLE (g):	89.34	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	677.45	
(E) TEMP. OF PYCNOMETER AND WATER (C):	20.4	
(F) DENSITY OF WATER @ T1(g/ml):	0.998149	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	732.81	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	20.4	
(I) DENSITY OF WATER @ T2 (g/ml):	0.998149	

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

(Gs @ T1)= C/((C+(D-G)):	2.629	
CORRECTION FACTOR (K):	0.999915	
(Gs @ 20 C =(Gs @ T1)*K:)	2.629	

SPECIFIC GRAVITY:	2.629

Leroy Bayley
MATERIALS ENGINEERING LABORATORY

239A-16

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

Thompson Engineering

JUNE 20, 2000

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

JOB #: 1999.00.0774
LAB #: 4159

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

SAMPLE IDENTIFICATION: DAS-T3-S2-0-0.5FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 05/20/00	TESTED: 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):	1684.6
(f): MASS OF DRY SPECIMEN (g):	1436.4
(g): MASS OF CONTAINER (g):	138.90
(h): MASS OF CONTAINER & WET SPECIMEN (g):	333.00
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	304.40
(j): MASS OF WATER (g):	28.60
(k): MASS OF DRY SPECIMEN (g):	165.50
(l): WATER CONTENT (%):	**17.28**
(m): WET DENSITY (PCF):	**111.36**
(n): DRY DENSITY (PCF):	**94.95**
(o): SPECIFIC GRAVITY (Gavg):	2.629
(p): VOLUME OF SOLIDS (cc):	546.36
(q): VOID RATIO:	**0.73**
(r): DEGREE OF SATURATION (%):	62.43
(s): POROSITY (%):	**42.12**

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

THOMPSON ENGINEERING TESTING, INC.

239A-17

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JUNE 6, 2000 JOB #: 1999-00-0774

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

SAMPLE IDENTIFICATION: DAS-T3-S3-0-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 5/22/00	TESTED: L. BAXLEY

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

(A) WEIGHT OF PYCNOMETER (g):	178.77	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	253.59	
(C) WEIGHT OF SAMPLE (g):	74.82	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	677.30	
(E) TEMP. OF PYCNOMETER AND WATER (C):	19.6	
(F) DENSITY OF WATER @ T1(g/ml):	0.998312	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	722.98	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	19.6	
(I) DENSITY OF WATER @ T2 (g/ml):	0.998312	

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

(Gs @ T1)= C/((C+(D-G)):	2.568	
CORRECTION FACTOR (K):	1.000078	
(Gs @ 20 C =(Gs @ T1)*K:)	2.568	

SPECIFIC GRAVITY:	2.568

Leroy Baxley
MATERIALS ENGINEERING LABORATORY

239A-18

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

Thompson Engineering

JUNE 20, 2000

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 4167

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

SAMPLE IDENTIFICATION: DAS-T3-S3-0-0.5FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 05/20/00	TESTED: 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):	1531.1
(f): MASS OF DRY SPECIMEN (g):	1348.6
(g): MASS OF CONTAINER (g):	162.50
(h): MASS OF CONTAINER & WET SPECIMEN (g):	325.30
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	305.90
(j): MASS OF WATER (g):	19.40
(k): MASS OF DRY SPECIMEN (g):	143.40
(l): WATER CONTENT (%):	**13.53**
(m): WET DENSITY (PCF):	**101.21**
(n): DRY DENSITY (PCF):	**89.15**
(o): SPECIFIC GRAVITY (Gavg):	2.568
(p): VOLUME OF SOLIDS (cc):	525.17
(q): VOID RATIO:	**0.80**
(r): DEGREE OF SATURATION (%):	43.57
(s): POROSITY (%):	**44.37**

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

THOMPSON ENGINEERING TESTING, INC.

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JUNE 6, 2000 JOB #: 1999-00-0774

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

SAMPLE IDENTIFICATION: DAS-T4-S1-0-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 5/22/00	TESTED: L. BAXLEY

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

(A) WEIGHT OF PYCNOMETER (g):	169.41	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	240.01	
(C) WEIGHT OF SAMPLE (g):	70.60	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	668.13	
(E) TEMP. OF PYCNOMETER AND WATER (C):	20.5	
(F) DENSITY OF WATER @ T1(g/ml):	0.998128	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	711.52	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	20.5	
(I) DENSITY OF WATER @ T2 (g/ml):	0.998128	

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

(Gs @ T1)= C/((C+(D-G)):	2.595	
CORRECTION FACTOR (K):	0.999894	
(Gs @ 20 C =(Gs @ T1)*K:)	2.594	

SPECIFIC GRAVITY:	2.594

Leroy Baxley
MATERIALS ENGINEERING LABORATORY

239A-20

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

Thompson Engineering

JUNE 20, 2000

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 4161

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

SAMPLE IDENTIFICATION: DAS-T4-S1-0-0.5FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 05/20/00	TESTED: 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):	1828.0
(f): MASS OF DRY SPECIMEN (g):	1511.4
(g): MASS OF CONTAINER (g):	137.80
(h): MASS OF CONTAINER & WET SPECIMEN (g):	356.60
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	318.70
(j): MASS OF WATER (g):	37.90
(k): MASS OF DRY SPECIMEN (g):	180.90
(l): WATER CONTENT (%):	**20.95**
(m): WET DENSITY (PCF):	**120.84**
(n): DRY DENSITY (PCF):	**99.91**
(o): SPECIFIC GRAVITY (Gavg):	2.594
(p): VOLUME OF SOLIDS (cc):	582.64
(q): VOID RATIO:	**0.62**
(r): DEGREE OF SATURATION (%):	87.63
(s): POROSITY (%):	**38.28**

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

THOMPSON ENGINEERING TESTING, INC.

239A-21

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JUNE 6, 2000 JOB #: 1999-00-0774

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

SAMPLE IDENTIFICATION: DAS-T4-S2-0-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 5/22/00	TESTED: L. BAXLEY

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

(A) WEIGHT OF PYCNOMETER (g):	169.50	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	226.32	
(C) WEIGHT OF SAMPLE (g):	56.82	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	667.65	
(E) TEMP. OF PYCNOMETER AND WATER (C):	24.2	
(F) DENSITY OF WATER @ T1(g/ml):	0.997277	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	702.49	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	24.2	
(I) DENSITY OF WATER @ T2 (g/ml):	0.997277	

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

(Gs @ T1)= C/((C+(D-G)):	2.585	
CORRECTION FACTOR (K):	0.999041	
(Gs @ 20 C =(Gs @ T1)*K:)	2.583	

SPECIFIC GRAVITY:	2.583

Leroy Baxley
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

JUNE 20, 2000

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

JOB #: 1999.00.0774
LAB #: 4170

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

SAMPLE IDENTIFICATION: DAS-T4-S2-0-0.5FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 05/20/00	TESTED: 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):	1462.6
(f): MASS OF DRY SPECIMEN (g):	1182.9
(g): MASS OF CONTAINER (g):	154.30
(h): MASS OF CONTAINER & WET SPECIMEN (g):	322.70
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	290.50
(j): MASS OF WATER (g):	32.20
(k): MASS OF DRY SPECIMEN (g):	136.20
(l): WATER CONTENT (%):	**23.64**
(m): WET DENSITY (PCF):	**96.68**
(n): DRY DENSITY (PCF):	**78.20**
(o): SPECIFIC GRAVITY (Gavg):	2.583
(p): VOLUME OF SOLIDS (cc):	457.97
(q): VOID RATIO:	**1.06**
(r): DEGREE OF SATURATION (%):	57.54
(s): POROSITY (%):	**51.48**

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

THOMPSON ENGINEERING TESTING, INC.

239A-23

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JUNE 6, 2000 JOB #: 1999-00-0774

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

SAMPLE IDENTIFICATION: DAS-T4-S3-0-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 5/22/00	TESTED: L. BAXLEY

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

(A) WEIGHT OF PYCNOMETER (g):	178.77	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	231.69	
(C) WEIGHT OF SAMPLE (g):	52.92	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	676.82	
(E) TEMP. OF PYCNOMETER AND WATER (C):	24.1	
(F) DENSITY OF WATER @ T1(g/ml):	0.997302	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	709.27	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	24.1	
(I) DENSITY OF WATER @ T2 (g/ml):	0.997302	

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

(Gs @ T1)= C/((C+(D-G)):	2.585	
CORRECTION FACTOR (K):	0.999066	
(Gs @ 20 C =(Gs @ T1)*K:)	2.583	

SPECIFIC GRAVITY:	**2.583**

Leroy Baxley
MATERIALS ENGINEERING LABORATORY

239A-24

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

Thompson Engineering

JUNE 20, 2000

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

JOB #: 1999.00.0774
LAB #: 4171

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

SAMPLE IDENTIFICATION: DAS-T4-S3-0-0.5FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 05/20/00	TESTED: 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):	1616.2
(f): MASS OF DRY SPECIMEN (g):	1355.5
(g): MASS OF CONTAINER (g):	145.30
(h): MASS OF CONTAINER & WET SPECIMEN (g):	423.70
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	378.80
(j): MASS OF WATER (g):	44.90
(k): MASS OF DRY SPECIMEN (g):	233.50
(l): WATER CONTENT (%):	**19.23**
(m): WET DENSITY (PCF):	**106.84**
(n): DRY DENSITY (PCF):	**89.61**
(o): SPECIFIC GRAVITY (Gavg):	2.583
(p): VOLUME OF SOLIDS (cc):	524.79
(q): VOID RATIO:	**0.80**
(r): DEGREE OF SATURATION (%):	62.18
(s): POROSITY (%):	**44.41**

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

THOMPSON ENGINEERING/TESTING, INC.

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JUNE 6, 2000 JOB #: 1999-00-0774

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

SAMPLE IDENTIFICATION: DAS-T5-S1-0-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 5/22/00	TESTED: L. BAXLEY

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

(A) WEIGHT OF PYCNOMETER (g):	168.55	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	221.34	
(C) WEIGHT OF SAMPLE (g):	52.79	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	667.30	
E) TEMP. OF PYCNOMETER AND WATER (C):	26.6	
(F) DENSITY OF WATER @ T1(g/ml):	0.997424	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	699.64	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	23.6	
(I) DENSITY OF WATER @ T2 (g/ml):	0.997424	

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

(Gs @ T1)= C/((C+(D-G)):	2.581	
CORRECTION FACTOR (K):	0.999189	
(Gs @ 20 C =(Gs @ T1)*K:)	2.579	

SPECIFIC GRAVITY:	2.579

Leroy Baxley
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

JUNE 20, 2000

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

JOB #: 1999.00.0774
LAB #: 4178

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

SAMPLE IDENTIFICATION: DAS-T5-S1-0-0.5FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 05/20/00	TESTED: 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):	1800.7
(f): MASS OF DRY SPECIMEN (g):	1520.2
g): MASS OF CONTAINER (g):	155.10
(h): MASS OF CONTAINER & WET SPECIMEN (g):	491.50
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	439.10
(j): MASS OF WATER (g):	52.40
(k): MASS OF DRY SPECIMEN (g):	284.00
(l): WATER CONTENT (%):	**18.45**
(m): WET DENSITY (PCF):	**119.03**
(n): DRY DENSITY (PCF):	**100.49**
(o): SPECIFIC GRAVITY (Gavg):	2.579
(p): VOLUME OF SOLIDS (cc):	589.46
(q): VOID RATIO:	**0.60**
(r): DEGREE OF SATURATION (%):	79.12
(s): POROSITY (%):	**37.56**

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

THOMPSON ENGINEERING TESTING, INC.

239A-27

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JUNE 6, 2000 JOB #: 1999-00-0774

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

SAMPLE IDENTIFICATION: DAS-T5-S2-0-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 5/22/00	TESTED: L. BAXLEY

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

(A) WEIGHT OF PYCNOMETER (g):	168.71	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	221.20	
(C) WEIGHT OF SAMPLE (g):	52.49	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	666.72	
(E) TEMP. OF PYCNOMETER AND WATER (C):	23.8	
(F) DENSITY OF WATER @ T1(g/ml):	0.997375	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	699.50	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	23.8	
(I) DENSITY OF WATER @ T2 (g/ml):	0.997375	

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

(Gs @ T1)= C/((C+(D-G)):	2.663	
CORRECTION FACTOR (K):	0.999139	
(Gs @ 20 C =(Gs @ T1)*K:)	2.661	

SPECIFIC GRAVITY:	**2.661**

Leroy Baxley
MATERIALS ENGINEERING LABORATORY

239A-28

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

Thompson Engineering

JUNE 20, 2000

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

JOB #: 1999.00.0774
LAB #: 4175

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

SAMPLE IDENTIFICATION: DAS-T5-S2-0-0.5FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 05/20/00	TESTED: 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):	1735.4
(f): MASS OF DRY SPECIMEN (g):	1481.6
(g): MASS OF CONTAINER (g):	157.10
(h): MASS OF CONTAINER & WET SPECIMEN (g):	451.10
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	408.10
(j): MASS OF WATER (g):	43.00
(k): MASS OF DRY SPECIMEN (g):	251.00
(l): WATER CONTENT (%):	**17.13**
(m): WET DENSITY (PCF):	**114.72**
(n): DRY DENSITY (PCF):	**97.94**
(o): SPECIFIC GRAVITY (Gavg):	2.661
(p): VOLUME OF SOLIDS (cc):	556.78
(q): VOID RATIO:	**0.70**
(r): DEGREE OF SATURATION (%):	65.55
(s): POROSITY (%):	**41.02**

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

THOMPSON ENGINEERING TESTING, INC.

239A-29

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JUNE 6, 2000 JOB #: 1999-00-0774

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

SAMPLE IDENTIFICATION: DAS-T5-S3-0-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 5/22/00	TESTED: L. BAXLEY

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

(A) WEIGHT OF PYCNOMETER (g):	156.94
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	211.29
(C) WEIGHT OF SAMPLE (g):	54.35
(D) WEIGHT OF PYCNOMETER AND WATER (g):	659.72
(E) TEMP. OF PYCNOMETER AND WATER (C):	23.4
(F) DENSITY OF WATER @ T1(g/ml):	0.997472
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	693.17
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	23.4
(I) DENSITY OF WATER @ T2 (g/ml):	0.997472

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

(Gs @ T1)= C/((C+(D-G)):	2.600
CORRECTION FACTOR (K):	0.999237
(Gs @ 20 C =(Gs @ T1)*K:)	2.598

SPECIFIC GRAVITY:	**2.598**

Leroy Baxley
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

JUNE 20, 2000

CLIENT: O'BRIEN AND GERE ENGINEERS, INC. JOB #: 1999.00.0774
PROJECT: SOLUTIA SAUGET AREA 1 PROJECT LAB #: 4174

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

SAMPLE IDENTIFICATION: DAS-T5-S3-0-0.5FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 05/20/00	TESTED: 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):	1579.5
(f): MASS OF DRY SPECIMEN (g):	1405.4
'g): MASS OF CONTAINER (g):	155.90
(h): MASS OF CONTAINER & WET SPECIMEN (g):	414.50
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	386.00
(j): MASS OF WATER (g):	28.50
(k): MASS OF DRY SPECIMEN (g):	230.10
(l): WATER CONTENT (%):	**12.39**
(m): WET DENSITY (PCF):	**104.41**
(n): DRY DENSITY (PCF):	**92.90**
(o): SPECIFIC GRAVITY (Gavg):	2.598
(p): VOLUME OF SOLIDS (cc):	540.96
(q): VOID RATIO:	**0.74**
(r): DEGREE OF SATURATION (%):	43.19
(s): POROSITY (%):	**42.69**

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

THOMPSON ENGINEERING TESTING, INC.

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JUNE 6, 2000 JOB #: 1999-00-0774

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

SAMPLE IDENTIFICATION: DAS-T6-S1-0-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 5/22/00	TESTED: L. BAXLEY

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

(A) WEIGHT OF PYCNOMETER (g):	174.64	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	230.17	
(C) WEIGHT OF SAMPLE (g):	55.53	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	672.85	
(E) TEMP. OF PYCNOMETER AND WATER (C):	24.1	
(F) DENSITY OF WATER @ T1(g/ml):	0.997302	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	706.89	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	24.1	
(I) DENSITY OF WATER @ T2 (g/ml):	0.997302	

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

(Gs @ T1)= C/((C+(D-G)):	2.584	
CORRECTION FACTOR (K):	0.999066	
(Gs @ 20 C =(Gs @ T1)*K:)	2.582	

SPECIFIC GRAVITY:	**2.582**

Leroy Baxley
MATERIALS ENGINEERING LABORATORY

239A-32

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

Thompson Engineering

JUNE 20, 2000

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

JOB #: 1999.00.0774
LAB #: 4169

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

SAMPLE IDENTIFICATION: DAS-T6-S1-0-0.5FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 05/20/00	TESTED: 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):	1649.3
(f): MASS OF DRY SPECIMEN (g):	1421.4
'g): MASS OF CONTAINER (g):	156.00
(h): MASS OF CONTAINER & WET SPECIMEN (g):	382.50
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	351.20
(j): MASS OF WATER (g):	31.30
(k): MASS OF DRY SPECIMEN (g):	195.20
(l): WATER CONTENT (%):	**16.03**
(m): WET DENSITY (PCF):	**109.03**
(n): DRY DENSITY (PCF):	**93.96**
(o): SPECIFIC GRAVITY (Gavg):	2.582
(p): VOLUME OF SOLIDS (cc):	550.50
(q): VOID RATIO:	**0.71**
(r): DEGREE OF SATURATION (%):	57.93
(s): POROSITY (%):	**41.68**

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

THOMPSON ENGINEERING TESTING, INC.

239A-33

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JUNE 6, 2000 JOB #: 1999-00-0774

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

SAMPLE IDENTIFICATION: DAS-T6-S2-0-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 5/22/00	TESTED: L. BAXLEY

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

(A) WEIGHT OF PYCNOMETER (g):	172.24	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	232.83	
(C) WEIGHT OF SAMPLE (g):	60.59	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	670.57	
(E) TEMP. OF PYCNOMETER AND WATER (C):	23.9	
(F) DENSITY OF WATER @ T1(g/ml):	0.997351	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	708.16	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	23.9	
(I) DENSITY OF WATER @ T2 (g/ml):	0.997351	

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

(Gs @ T1)= C/((C+(D-G)):	2.634	
CORRECTION FACTOR (K):	0.999115	
(Gs @ 20 C =(Gs @ T1)*K:)	2.632	

SPECIFIC GRAVITY:	**2.632**

Leroy Baxley
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

JUNE 20, 2000

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

JOB #: 1999.00.0774
LAB #: 4173

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

SAMPLE IDENTIFICATION: DAS-T6-S2-0-0.5FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 05/20/00	TESTED: 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):	1778.8
(f): MASS OF DRY SPECIMEN (g):	1558.9
(g): MASS OF CONTAINER (g):	157.70
(h): MASS OF CONTAINER & WET SPECIMEN (g):	473.20
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	434.20
(j): MASS OF WATER (g):	39.00
(k): MASS OF DRY SPECIMEN (g):	276.50
(l): WATER CONTENT (%):	**14.10**
(m): WET DENSITY (PCF):	**117.59**
(n): DRY DENSITY (PCF):	**103.05**
(o): SPECIFIC GRAVITY (Gavg):	2.632
(p): VOLUME OF SOLIDS (cc):	592.29
(q): VOID RATIO:	**0.59**
(r): DEGREE OF SATURATION (%):	62.53
(s): POROSITY (%):	**37.25**

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

THOMPSON ENGINEERING TESTING, INC.

239A-35

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JUNE 6, 2000 JOB #: 1999-00-0774

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

SAMPLE IDENTIFICATION: DAS-T6-S3-0-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 5/22/00	TESTED: L. BAXLEY

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

(A) WEIGHT OF PYCNOMETER (g):	178.95	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	230.87	
(C) WEIGHT OF SAMPLE (g):	51.92	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	677.01	
(E) TEMP. OF PYCNOMETER AND WATER (C):	24.0	
(F) DENSITY OF WATER @ T1(g/ml):	0.997327	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	709.13	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	24.0	
(I) DENSITY OF WATER @ T2 (g/ml):	0.997327	

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

(Gs @ T1)= C/((C+(D-G)):	2.622	
CORRECTION FACTOR (K):	0.999091	
(Gs @ 20 C =(Gs @ T1)*K:)	2.620	

SPECIFIC GRAVITY:	**2.620**

Leroy Baxley
MATERIALS ENGINEERING LABORATORY

239A-36

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

Thompson Engineering

JUNE 20, 2000

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

JOB #: 1999.00.0774
LAB #: 4172

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

SAMPLE IDENTIFICATION: DAS-T6-S3-0-0.5FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 05/20/00	TESTED: 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):	1762.4
(f): MASS OF DRY SPECIMEN (g):	1655.5
(g): MASS OF CONTAINER (g):	158.60
(h): MASS OF CONTAINER & WET SPECIMEN (g):	493.40
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	473.10
(j): MASS OF WATER (g):	20.30
(k): MASS OF DRY SPECIMEN (g):	314.50
(l): WATER CONTENT (%):	**6.45**
(m): WET DENSITY (PCF):	**116.50**
(n): DRY DENSITY (PCF):	**109.44**
(o): SPECIFIC GRAVITY (Gavg):	2.620
(p): VOLUME OF SOLIDS (cc):	631.89
(q): VOID RATIO:	**0.49**
(r): DEGREE OF SATURATION (%):	34.24
(s): POROSITY (%):	**33.06**

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
THOMPSON ENGINEERING/TESTING, INC.

239A-37

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JUNE 6, 2000 JOB #: 1999-00-0774

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

SAMPLE IDENTIFICATION: DAS-T7-S1-0-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 5/22/00	TESTED: L. BAXLEY

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

(A) WEIGHT OF PYCNOMETER (g):	178.51	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	234.91	
(C) WEIGHT OF SAMPLE (g):	56.40	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	676.76	
(E) TEMP. OF PYCNOMETER AND WATER (C):	23.6	
(F) DENSITY OF WATER @ T1(g/ml):	0.997424	
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	710.89	
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	23.6	
(I) DENSITY OF WATER @ T2 (g/ml):	0.997424	

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

(Gs @ T1)= C/((C+(D-G)):	2.533	
CORRECTION FACTOR (K):	0.999189	
(Gs @ 20 C =(Gs @ T1)*K:)	2.531	

SPECIFIC GRAVITY:	2.531

Leroy Baxley
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

JUNE 20, 2000

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

JOB #: 1999.00.0774
LAB #: 4177

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

SAMPLE IDENTIFICATION: DAS-T7-S1-0-0.5FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 05/20/00	TESTED: 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):	1574.3
(f): MASS OF DRY SPECIMEN (g):	1358.7
'g): MASS OF CONTAINER (g):	160.60
.n): MASS OF CONTAINER & WET SPECIMEN (g):	435.10
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	397.50
(j): MASS OF WATER (g):	37.60
(k): MASS OF DRY SPECIMEN (g):	236.90
(l): WATER CONTENT (%):	**15.87**
(m): WET DENSITY (PCF):	**104.07**
(n): DRY DENSITY (PCF):	**89.81**
(o): SPECIFIC GRAVITY (Gavg):	2.531
(p): VOLUME OF SOLIDS (cc):	536.81
(q): VOID RATIO:	**0.76**
(r): DEGREE OF SATURATION (%):	52.96
(s): POROSITY (%):	**43.13**

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
THOMPSON ENGINEERING TESTING, INC.

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

Thompson Engineering

REPORT OF: SPECIFIC GRAVITY OF SOILS ASTM D 854

JUNE 6, 2000 JOB #: 1999-00-0774

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

SAMPLE IDENTIFICATION: DAS-T7-S2-0-0.5 FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 5/22/00	TESTED: L. BAXLEY

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

(A) WEIGHT OF PYCNOMETER (g):	172.61
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	223.75
(C) WEIGHT OF SAMPLE (g):	51.14
(D) WEIGHT OF PYCNOMETER AND WATER (g):	670.96
(E) TEMP. OF PYCNOMETER AND WATER (C):	23.7
(F) DENSITY OF WATER @ T1(g/ml):	0.997400
(G) WEIGHT OF PYCNOMETER, SAMPLE AND WATER (g):	702.30
(H) TEMP. OF PYCNOMETER, SAMPLE AND WATER (C):	23.7
(I) DENSITY OF WATER @ T2 (g/ml):	0.997400

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

(Gs @ T1)= C/((C+(D-G)):	2.583
CORRECTION FACTOR (K):	0.999165
(Gs @ 20 C =(Gs @ T1)*K:)	2.581

SPECIFIC GRAVITY:	2.581

Leroy Baxley
MATERIALS ENGINEERING LABORATORY

239A-40

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

Thompson Engineering

JUNE 20, 2000

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

JOB #: 1999.00.0774
LAB #: 4176

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

SAMPLE IDENTIFICATION: DAS-T7-S2-0-0.5FT.

DATES	TECHNICIAN
SAMPLED: 04/24/00	SAMPLED: CLIENT
TESTED: 05/20/00	TESTED: 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):	1780.7
(f): MASS OF DRY SPECIMEN (g):	1473.3
(g): MASS OF CONTAINER (g):	153.10
(h): MASS OF CONTAINER & WET SPECIMEN (g):	506.50
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	445.50
(j): MASS OF WATER (g):	61.00
(k): MASS OF DRY SPECIMEN (g):	292.40
(l): WATER CONTENT (%):	**20.86**
(m): WET DENSITY (PCF):	**117.71**
(n): DRY DENSITY (PCF):	**97.39**
(o): SPECIFIC GRAVITY (Gavg):	2.581
(p): VOLUME OF SOLIDS (cc):	570.84
(q): VOID RATIO:	**0.65**
(r): DEGREE OF SATURATION (%):	82.38
(s): POROSITY (%):	**39.53**

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
THOMPSON ENGINEERING/TESTING, INC.

239A-41

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

3.18.4.4. Chain-of-Custody Forms

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

Office: O'Brien & Gere Inc.
Address: 12250 Walter Hill Rd St. Louis, MO. 63127
Tel: (314) 842-4550

CHAIN OF CUSTODY

Cooler Temperature _____

CLIENT: Solutia, Inc.
LOCATION: Sauget Area 1

COLLECTED BY: (Signature) Tim Tedesco

SAMPLE DESCRIPTION/LOCATION	Date	Time	Sample Matrix[1]	Sample Type[2]	No. of Containers	ANALYSIS REQUESTED[3]	Sample Preservation
Blue Cooler							
DAS-T2-S2-0-0.5 FT	4-24-00		Soil	composite	1	* See below ~~Gran Size~~	None
DAS-T1-S2-0-0.5 FT						* see below	
DAS-T0-S1-1-0.5 FT							
DAS-T2-S1-1-0.5 FT							
DAS-T1-S1-1-0.5 FT							
DAS-T2-S3-0-0.5 FT							
DAS-T2-S1-0-0.5 FT							
DAS-T1-S3-1-1.5 FT							
DAS-T2-S3-1-1.5 FT							
DAS-T2-S2-0-0.5 FT							

[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
Nicholas E. Jenkins of: O'Brien & Gere	4-24-00	1600	Fed Ex 5157 0377 9303 of:		
Relinquished by: of:			Received by: of:		
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:		

* Soil bulk density - EM 1110-2-1906
moisture content - " "
Specific gravity - ASTM D 845

FedEx USA Airbill FedEx Tracking Number 8187 03 9303

1 From Please print and press hard

Date 4-24-00 Sender's FedEx Account Number 1187-9587-3

Sender's Name Nicolas E. Jenkins Phone (314) 842-4550

Company O'BRIEN & GERE

Address 12250 WEBER HILL RD Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63127

2 Your Internal Billing Reference First 24 characters will appear on invoice 23548. 040-002

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

Company Thompson Engineering

Address 3707 Cottage Hill Rd. To "HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes

Dept./Floor/Suite/Room

City Mobile State AL ZIP 36691

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.

0126728017

Sender's Copy

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 Envelope/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 Envelope/Letter*
- [ ] FedEx Pak*
- [✓] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg

6 Special Handling Include FedEx charges in Section 3

- [ ] 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

- [✓] 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	79	$ .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

SRW 0100 • Rev. Date 8/99 • Part #154813 • ©1994-99 FedEx • PRINTED IN U.S.A.

PULL AND RETAIN THIS COPY BEFORE AFFIXING TO THE PACKAGE.

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

Office: O'Brien & Gere, Inc.
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) Tim Tedesco

SAMPLE DESCRIPTION/LOCATION Red cooler.	Date	Time	Sample Matrix[1]	Sample Type[2]	No. of Containers	ANALYSIS REQUESTED[1]	Sample Preservation
DAS-T6-S1-0-0.5FT	4-24		Soil	composite	1	*See below ~~[illegible]~~	None
DAS-T4-S2-0-0.5FT	↓		↓	↓	↓	*See below	↓
DAS-T4-S3-0-0.5FT	↓		↓	↓	↓	↓	↓
DAS-T6-S3-0-0.5FT	↓		↓	↓	↓	↓	↓
DAS-T6-S2-0-0.5FT	↓		↓	↓	↓	↓	↓
DAS-T5-S3-0-0.5FT	↓		↓	↓	↓	↓	↓
DAS-T5-S2-0-0.5FT	↓		↓	↓	↓	↓	↓
DAS-T7-S2-0-0.5FT	↓		↓	↓	↓	↓	↓
DAS-T7-S1-0-0.5FT	↓		↓	↓	↓	↓	↓
DAS-T5-S1-0-0.5FT	↓		↓	↓	↓	↓	↓
	↓		↓	↓	↓	↓	↓

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

Relinquished by	Date	Time	Received by	Date	Time
Nicholas S. Jenkins of O'Brien & Gere	4-24-00	1600	Fed ex 8187 0377 9299 of:		
Relinquished by: of:			Received by: of:		
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:		

* Soil bulk density - EM 1110-2-1906
moisture content - " "
Specific gravity - ASTM D 845

FedEx USA Airbill FedEx Tracking Number 8187 177 9299

0215

1 From Please print and press hard

Date 4-24-00 Sender's FedEx Account Number 1187-9587-3

Sender's Name Nicolas E. Jenkins Phone (314) 842-4550

Company O'BRIEN & GERE

Address 12250 WEBER HILL RD Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63127

2 Your Internal Billing Reference First 24 characters will appear on invoice 23548.040.002

3 To

Recipient's Name Thompson Engineering Phone (334) 666-2443

Company Thompson Engineering

Address 3707 Cottage Hill Rd.

To "HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

City Mobile State AL ZIP 36691

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.

0126728017

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 Envelope/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 Envelope/Letter*
- [ ] FedEx Pak*
- [x] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg.

6 Special Handling Include FedEx address in Section 3

- [ ] 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	64	$ .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

SRW 0100 • Rev. Date 8/99 • Part #154813 • ©1994-99 FedEx • PRINTED IN U.S.A.

PULL AND RETAIN THIS COPY BEFORE AFFIXING TO THE PACKAGE.

Serial Number 018963

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Savannah Laboratories
a division of Severn Trent Laboratories, Inc.

- ⊗ 5102 LaRoche Avenue, Savannah, GA 31404 — Phone: (912) 354-7858 — Fax: (912) 352-0165
- ○ 2846 Industrial Plaza Drive, Tallahassee, FL 32301 — Phone: (850) 878-3994 — Fax: (850) 878-9504
- ○ 900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
- ○ 6712 Benjamin Rd., Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049

PROJECT REFERENCE: Solutia Sauget Area 1	PROJECT NO.: 23548	PROJECT LOCATION (STATE): IL	PAGE 1 OF 2
STL (LAB) PROJECT MANAGER: Angie Stewart	P.O. NUMBER: Bill to Solutia	CONTRACT NO.:	STANDARD REPORT DELIVERY ⊗ DATE DUE
CLIENT (SITE) PM: Kimberl, Perry - Solutia	CLIENT PHONE: 314-842-4550	CLIENT FAX: 314-842-3266	EXPEDITED REPORT DELIVERY (SURCHARGE) ○ DATE DUE
CLIENT NAME: Solutia	CLIENT EMAIL:		
CLIENT ADDRESS: St. Louis, MO			
COMPANY CONTRACTING THIS WORK (if applicable):			NUMBER OF COOLERS SUBMITTED PER SHIPMENT: 1

REQUIRED ANALYSES

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)	VOCs (5035/ x2608) Cool	SVOCs/PCBs/Herb/Pest 8270C/6080/8151A/8081A Cool	Metals/Hg/Cyanide 6010B/7471A/9010B Cool	VOC Bulk Sample-PA Cool	VOC Bulk Sample Cool						REMARKS
4-18-00	1045	DAS-T1-S1-0-0.5FT	C		X			3	2	1	1							
4-18-00	1155	DAS-T1-S1-3-6FT	C		X			3	2	1	[illegible]	1						
4-18-00	1045	DAS-T1-S1-0-0.5FT-FD	C		X			3	2	1	1							
4-18-00	1100	DAS-T1-S2-0-0.5FT	C		X			3	2	1	[illegible]							
4-18-00	1300	DAS-T1-S2-3-6FT	C		X			3	2	1	[illegible]	1						
4-18-00	1115	DAS-T1-S3-0-0.5FT	C		X			3	2	1	[illegible]							
4-18-00	1345	DAS-T1-S3-3-6FT	C		X			3	2	1	[illegible]	1						
4-18-00	1345	DAS-T1-S3-3-6FT-MS/MSD	C		X			3	2	1	[illegible]	1						
4-18-00	0930	DAS-T2-S1-0-0.5FT	C		X			3										
4-18-00	0955	DAS-T2-S1-3-6FT	C		X			3										
4-18-00	0945	DAS-T2-S2-0-0.5FT	C		X			3										
4-18-00	1030	DAS-T2-S2-3-6FT	C		X			3										

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			[illegible] E. Jenkins	4-18-00	1900			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
			Fed ex 8187 0379 1557	4-18-00	1900			

LABORATORY USE ONLY

Serial Number 018962

STL Savannah Laboratories
a division of Severn Trent Laboratories, 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: (850) 878-3994 Fax: (850) 878-9504
○ 900 Lakeside Drive, Mobile, AL 36693 Phone: (334) 666-6633 Fax: (334) 666-6696
○ 6712 Benjamin Rd., Suite 100, Tampa, FL 33634 Phone: (813) 885-7427 Fax: (813) 885-7049

PROJECT REFERENCE: Solutia - Sauget Area 1	PROJECT NO.: 23548	PROJECT LOCATION (STATE): IL
STL (LAB) PROJECT MANAGER: Angie Stewart	P.O. NUMBER: Bill to Solutia	CONTRACT NO.:
CLIENT (SITE) PM: Kimberly Perry-Solutia	CLIENT PHONE: 314-842-4550	CLIENT FAX: 314-842-3266
CLIENT NAME: Solutia	CLIENT EMAIL:	
CLIENT ADDRESS: St. Louis, MO		
COMPANY CONTRACTING THIS WORK (if applicable):		

PAGE 2 OF 2

STANDARD REPORT DELIVERY ⊗

DATE DUE

EXPEDITED REPORT DELIVERY (SURCHARGE) ○

DATE DUE

NUMBER OF COOLERS SUBMITTED PER SHIPMENT: 1

REQUIRED ANALYSES: Gal VOC (5035/8260B)

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)	NUMBER OF CONTAINERS SUBMITTED (Gal VOC)	REMARKS
4-18-00	1000	DAS-T2-S3-0-0.5FT	C		X			3	
4-18-00	1110	DAS-T2-S3-3-6FT	C		X			3	
4-18-00	1110	DAS-T2-S3-3-6FT-FD	C		X			3	
4-18-00		VOC Trip Blank		X				3	
4-18-00		TEMP BLANK		X					

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			Nicolas E. Jenkins	4-18-00	1900			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
			Fed ex: 8187 0379 1587	4-18-00	1900			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL	STL-SL LOG NO.	LABORATORY REMARKS:
			YES / NO			

241A-6

FedEx USA Airbill FedEx Tracking Number 8187 0379 1587

8DA22 0215 Sender's Copy

1 From Please print and press hard

Date 4-18-00 Sender's FedEx Account Number 1187-9587-3

Sender's Name Nick Jenkins Phone (314) 842-4550

Company O'BRIEN & GERE

Address 12250 WEBER HILL RD

Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63127

Your Internal Billing Reference 23548.040.002
First 24 characters will appear on invoice

3 To A. STEWART

Recipient's Name ~~BETSY BEAUBEAUCHAMP~~ Phone (912) 354-7858

Company SAVANNAH LABRATORIES

Address 5102 LAROCHE AVE

To "HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes

Dept./Floor/Suite/Room

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

0126730793

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

6 Special Handling — Include FedEx Ex Hdl Cost in Section 3

- [ ] 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

- [✓] 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

SRW 010 ... ©1994-99 FedEx • PRINTED IN U.S.A.

Serial Number 018964

STL Savannah Laboratories
a division of Severn Trent Laboratories, 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: (850) 878-3994 — Fax: (850) 878-9504
900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
6712 Benjamin Rd., Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049

PROJECT REFERENCE: Solutia-Sauget Area 1	PROJECT NO.: 23548	PROJECT LOCATION (STATE): IL	PAGE 1 OF 1
STL (LAB) PROJECT MANAGER: Angie Stewart	P.O. NUMBER: Bill to Solutia	CONTRACT NO.	STANDARD REPORT DELIVERY ☒
CLIENT (SITE) PM: Kimberly Perry-Solutia	CLIENT PHONE: 314-842-4550	CLIENT FAX: 314-842-3266	DATE DUE
CLIENT NAME: Solutia	CLIENT EMAIL		EXPEDITED REPORT DELIVERY (SURCHARGE) ☐
CLIENT ADDRESS: St. Louis, MO			DATE DUE
COMPANY CONTRACTING THIS WORK (if applicable):			NUMBER OF COOLERS SUBMITTED PER SHIPMENT: 1

REQUIRED ANALYSES: VOC (SW5 8260B); SVOC (PAH/Naphthalene 8270C/625/8310/8100); Methyl Hg/Cyanide (6010B/7471A/9010B); VOC Bulk Sample; VOC Bulk Sample

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)	Cool	Cool	Cool	Cool	Cool	REMARKS
								NUMBER OF CONTAINERS SUBMITTED					
4-18-00	0930	DAS-T2-S1-0-0.5FT	C		X			2	1	1			
4-18-00	0935	DAS-T2-S1-3-6 FT	C		X			2	1		1		
4-18-00	0945	DAS-T2-S2-0-0.5FT	C		X			2	1	1			
4-18-00	1030	DAS-T2-S2-3-6 FT	C		X			2	1		1		
4-18-00	1000	DAS-T2-S3-0-0.5FT	C		X			2	1	1			
4-18-00	1110	DAS-T2-S3-3-6 FT	C		X			2	1		1		
4-18-00	1110	DAS-T2-S3-3-6 FT-FD	C		X			2	1		1		
4-18-00		TEMP Blank		X									

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			Nicolas E. Jenkins	4-18-00	1900			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
			Fedex: 5187-0379-1598	4-18-00	1900			

LABORATORY USE ONLY

RECEIVED BY: LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL	STL-SL LOG NO.	LABORATORY REMARKS:
			YES			

FedEx USA Airbill FedEx Tracking Number 8187 0379 1598

1 From Please print and press hard

Date 4-18-00 Sender's FedEx Account Number 1187-9587-3

Sender's Name Nick Jenkins Phone (314) 842-4550

Company O'BRIEN & GERE

Address 12250 WEBER HILL RD Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63127

2 Your Internal Billing Reference First 24 characters will appear on invoice 23548.040.003

3 To Recipient's Name A. STEWART ~~BETSY BEAUBEAUCHAMP~~ Phone (912) 354-7858

Company SAVANNAH LABRATORIES

Address 5102 LAROCHE AVE

To "HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes

Dept./Floor/Suite/Room

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

0126730793

SDA22

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 Envelope/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 Envelope/Letter*
[ ] FedEx Pak*
[X] Other Pkg. Includes FedEx Box, FedEx Tube, and customer pkg

6 Special Handling Include FedEx address in Section 3

[ ] 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	36	$ .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

SRW 0100 • Rev. Date 8/99 • Part #154813 • ©1994-1999 FedEx • PRINTED IN U.S.A.

PULL AND RETAIN THIS COPY BEFORE AFFIXING TO THE PACKAGE

Nicolas E. Jenkins

CLIENT CHAIN OF CUSTODY 1 of 2 **SAMPLER'S SIGNATURE** [signature] **Project/Quote 04961/9900001069**

From (1): Solutia,Inc.
575 Maryville Center Drive
St. Louis, MO 63141

Contact: Mr. Alan Cork
Phone: 314-842-4550
Fax: 314-674-8957

Project (1): Sauget Area 1 Support Sampling

P.O.# (1): Direct bill Solutia

(SOL05 /FMS)

Data to be reported to the state of MO.

Analysis Wanted (2): Dioxin (8280A)

Total Number of Containers: 12

Turn Around Time (In Calendar Days):

Sample ID (3)	Date / Time	Preservation (4)	Matrix	Sample Amt.	Dioxin (8280A)					Remarks
DAS-T2-S3-3-6FT-FD	4-18-00/1110	Cool	Soil	½l	X					
DAS-T1-S3-3-6FT	4-18-00/1345	Cool	Soil	½l	X					
DAS-T2-S2-0-0.5FT	4-18-00/0945	Cool	Soil	½l	X					
DAS-T2-S3-3-6FT	4-18-00/1110	Cool	Soil	½l	X					
DAS-T1-S3-3-6FT-MS/MSD	4-18-00/1345	Cool	Soil	½l	X					
DAS-T2-S1-0-0.5FT	4-18-00/0930	Cool	Soil	½l	X					
DAS-T1-S3-0-0.5FT	4-18-00/1115	Cool	Soil	½l	X					
DAS-T1-S1-0-0.5FT-FD	4-18-00/1045	Cool	Soil	½l	X					
DAS-T1-S2-0-0.5FT	4-18-00/1100	Cool	Soil	½l	X					
DAS-T2-S3-0-0.5FT	4-18-00/1000	Cool	Soil	½l	X					

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
Nicolas E. Jenkins	4-18-00 1900	Fed ex 8170 9423 1771	~~Fedex 8170 9423 1771~~	~~1900 4-18-00~~	

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.

Nicolas E. Jenkins

CLIENT CHAIN OF CUSTODY 2 of 2 **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): Dioxin (8280A)

Total Number of Containers: 2

Turn Around Time (In Calendar Days):

Sample ID (3)	Date / Time	Preservation (4)	Matrix	Sample Amt.	Dioxin (8280A)					Remarks
DAS-T1-S1-0-0.5FT	4-18-00/1045	Cool	Soil	1l	X					
TEMP BLANK	4-18-00/	Cool	Water							

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
Nicolas E. Jenkins	1900 4-18-00	817094231771 Fedex		~~4-18-00~~ Fedex	

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 8170 9423 1771

Form I.D. No. 0215

1 From Please print and press hard

Date 4-18-00 Sender's FedEx Account Number 1187-9587-3

Sender's Name Nick Jenkins Phone (314) 842-4550

Company O'BRIEN & GERE

Address 12250 Weber Hill Rd ~~5000 CEDAR PLAZA PKWY STE 211~~ Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128 7

2 Your Internal Billing Reference First 24 characters will appear on invoice 23548.040 002

3 To

Recipient's Name FRANK STEVENS Phone (919) 544-5729

Company TRIANGLE LABORTIES

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.

0119392504

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	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

SRP 1199 · Rev. Date 11/98 · Part #154873 · © 1994-98 FedEx · PRINTED IN U.S.A.

RETAIN THIS COPY FOR YOUR RECORDS

Serial Number 016198

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Savannah Laboratories
a division of Severn Trent Laboratories, Inc

5102 LaRoche Avenue, Savannah, GA 31404 — Phone: (912) 354-7858 — Fax: (912) 352-0165
2846 Industrial Plaza Drive, Tallahassee, FL 32301 — Phone: (850) 878-3994 — Fax: (850) 878-9504
900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
6712 Benjamin Rd., Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049

PROJECT REFERENCE: Solutiz-Sayet Area 1
PROJECT NO.: 23548
PROJECT LOCATION (STATE): IL
STL (LAB) PROJECT MANAGER: Angie Stewart
P.O. NUMBER: Bill to Solutiz
CONTRACT NO.:
CLIENT (SITE) PM: Kimberly Perry-Solutiz
CLIENT PHONE: 314-842-4550
CLIENT FAX: 314-842-3266
CLIENT NAME: Solutiz Inc.
CLIENT EMAIL:
CLIENT ADDRESS: St. Louis, MO
COMPANY CONTRACTING THIS WORK (if applicable):

PAGE 1 OF 1

STANDARD REPORT DELIVERY ⊗
DATE DUE
EXPEDITED REPORT DELIVERY (SURCHARGE) ○
DATE DUE
NUMBER OF COOLERS SUBMITTED PER SHIPMENT: 1

REQUIRED ANALYSES

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)	SVOC/PCB/Herb/Pest 8270C/680/8151A/8081A COOL	Metals/Hg/Cyanide 6010B/7471A/9010B COOL	VOC Bulk Sample-Phe COOL	VOC Bulk Sample COOL	REMARKS
4-19-00	1005	DAS-T5-S1-0-0.5FT	C		X			2	1	1		
4-19-00	1105	DAS-T5-S1-3-6 FT	C		X			2	1		1	
4-19-00	1020	DAS-T5-S2-0-0.5FT	C		X			2	1	1		
4-19-00	1043	DAS-T5-S2-3-6 FT	C		X			2	1		1	
4-19-00	1040	DAS-T5-S3-0-0.5FT	C		X			2	1	1		
4-19-00	1135	DAS-T5-S3-3-6 FT	C		X			2	1		1	
4-19-00		TEMP BLANK		X								
												Cyanide method corrected
												4-21-00 DEH

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			[signature]	4-19-00	1900			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
			8187-0379-1565	4-19-00	1900			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	STL-SL LOG NO.	LABORATORY REMARKS:
			YES NO			

SDA22

FedEx *USA Airbill* FedEx Tracking Number 8187 0379 1565

Form I.D. No. 0215

1 From *Please print and press hard.*

Date 04-19-00 Sender's FedEx Account Number 1187-9587-3

Sender's Name William E. Wright Phone (314) 842-4550

Company O'BRIEN & GERE

Address 12250 WEBER HILL RD

Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63127

2 Your Internal Billing Reference *First 24 characters will appear on invoice.* 23548.040.003

3 To Recipient's Angie Stewart ~~BETSY BEAUDEAUCHAMP~~ Phone (912) 354-7858

Company SAVANNAH LABRATORIES

Address 5102 LAROCHE AVE

To "HOLD" at FedEx location, print FedEx address. *We cannot deliver to P.O. boxes or P.O. ZIP codes.*

Dept./Floor/Suite/Room

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.

0126730793

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 Envelope/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 and $500*

- [ ] FedEx Envelope/Letter*
- [ ] FedEx Pak*
- [x] Other Pkg — Includes FedEx Box, FedEx Tube, and customer pkg.

6 Special Handling — Includes FedEx addresses in Section 3.

- [ ] 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 Overnight and 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	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

SPW 0100 • Rev. Date 8/99 • Part #154813 • ©1994–99 FedEx • PRINTED IN U.S.A.

Sauget Site Field Office
Phone: (618) 875-3732
Fax: (618) 875-3853

Fax

To:	A. Stewart	**From:**	D. Haverdink (O'Brien + Gere)
Fax:	912-352-0165	**Pages:**	2 (incl cover)
Phone:		**Date:**	4-21-00
Re:		**CC:**	

☐ Urgent ☒ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

Corrected COC follows ...

Serial Number 016198

STL Savannah Laboratories
a division of Severn Trent Laboratories, 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: (850) 878-3994 — Fax: (850) 878-9504
900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
6712 Benjamin Rd., Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049

PROJECT REFERENCE: Solutia-Spud Area 1	PROJECT NO.: 23548	PROJECT LOCATION (STATE): IL	PAGE 1 OF 1
STL (LAB) PROJECT MANAGER: Angie Stewart	P.O. NUMBER: Bill to Solutia	CONTRACT NO.	STANDARD REPORT DELIVERY ☒ DATE DUE
CLIENT (SITE) PM: Kimberly Perry-Solutia	CLIENT PHONE: 314-842-4550	CLIENT FAX: 314-842-3066	EXPEDITED REPORT DELIVERY (SURCHARGE) ○ DATE DUE
CLIENT NAME: Solutia Inc	CLIENT EMAIL		
CLIENT ADDRESS: St. Louis, MO			NUMBER OF COOLERS SUBMITTED PER SHIPMENT: 1
COMPANY CONTRACTING THIS WORK (if applicable):			

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)	SVOC/PCB/Herb/PCP Cool Extract/8270/8151A/8081A	Metals/HS/Cyanide Cool/6010B/7471A/9010B	VOC Bulk Sample Cool	VOC Bulk Sample Cool					REMARKS
4-19-00	1005	DAS-TS-S1-0-0.5FT	C		X			2	1	1						
4-19-00	1105	DAS-TS-S1-3-6 FT	C		X			2	1			1				
4-19-00	1020	DAS-TS-S2-0-0.5FT	C		X			2	1	1						
4-19-00	1043	DAS-TS-S2-3-6 FT	C		X			2	1			1				
4-19-00	1040	DAS-TS-S3-0-0.5FT	C		X			2	1	1						
4-19-00	1135	DAS-TS-S3-3-6 FT	C		X			2	1			1				
4-19-00		TEMP BLANK		X												
																Cyanide method corrected 4-21-00 DEH

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[illegible]			[illegible]	04-19-00	1910			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
[illegible]			FedEx 8187-0379-1565	04-19-00	1900			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL	STL-SL LOG NO.	LABORATORY REMARKS:
			YES			

HP LaserJet 3100
Printer/Fax/Copier/Scanner

SEND CONFIRMATION REPORT for
Sauget Site Field Office
618 875 3853
Apr-21-00 7:30AM

Job	Start Time	Usage	Phone Number or ID	Type	Pages	Mode	Status
73	4/21 7:29AM	0'57"	912 352 0165	Send	2/ 2	EC144	Completed

Total 0'57" Pages Sent: 2 Pages Printed: 0

Sauget Site Field Office
Phone: (618) 875-3732
Fax: (618) 875-3853

Fax

To: A. Stewart
From: D. Harendak (O'Brien + Gere)
Fax: 912-352-0165
Pages: 2 (incl. cover)
Phone:
Date: 4-21-00
Re:
CC:

☐ Urgent ☒ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

Corrected COC follows ...

D E Hamond

CLIENT CHAIN OF CUSTODY | **SAMPLER'S SIGNATURE** [signature] | **Project/Quote 05023/990000106**

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 to Solutia

(SOL05 /FMS)

Data to be reported to the state of MO.

Analysis Wanted (2): Dioxin (8280A)

Total Number of Containers: ~~9~~ 10

Turn Around Time (In Calendar Days):

Sample ID (3)	Date / Time	Preservation (4)	Matrix	Sample Amt.	Dioxin (8280A)					Remarks
DAS-T3-S1-0-0.5FT	4-19-00/0945	cool	soil	500ml	X					
DAS-T3-S2-0-0.5FT	4-19-00/0930	cool	soil	500ml	X					
DAS-T3-S3-0-0.5FT	4-19-00/0915	cool	soil	500ml	X					
DAS-T5-S1-0-0.5FT	4-19-00/1005	cool	soil	500ml	X					
DAS-T5-S2-0-0.5FT	4-19-00/1020	cool	soil	500ml	X					
DAS-T5-S3-0-0.5FT	4-19-00/1040	cool	soil	500ml	X					
DAS-T4-S1-0.~~6~~0.5FT	4-19-00/1110	cool	soil	500ml	X					
DAS-T5-S2-3-6FT	4-19-00/1043	cool	soil	500ml	X					
DAS-T4-S1-0-0.5FT-FD	4-19-00/1110	cool	soil	500ml	X					
Temp Blank	4-19-00	cool	water	—						

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
[signature]	4-19-00/1900	Fed Ex 8170-9423-1782			

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 8170 9423 1782

Form I.D. No. 0215

1 From (Please print and press hard)

Date 4-19-00 Sender's FedEx Account Number 1187-9587-3

Sender's Name William Wright ~~Nick Jenkins~~ Phone (314) 842-4550

Company O'BRIEN & GERE

Address 12250 Weber Hill Road ~~5000 CEDAR PLAZA PKWY STE 211~~

Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63127 ~~63128~~

2 Your Internal Billing Reference (First 24 characters will appear on invoice) 23548.040.002

3 To (Recipient's) FRANK STEVENS Phone (919) 544-5729

Company TRIANGLE LABORTIES

Address 301 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.

0119392504

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 Commitment: _____

5 Rates — * 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.

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	74	$ .00

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

FedEx Use Only

8 Release of 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 #154813S • © 1994-98 FedEx • PRINTED IN U.S.A.

Serial Number 018911

STL Savannah Laboratories
a division of Severn Trent Laboratories, 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: (850) 878-3994 Fax: (850) 878-9504
○ 900 Lakeside Drive, Mobile, AL 36693 Phone: (334) 666-6633 Fax: (334) 666-6696
○ 6712 Benjamin Rd., Suite 100, Tampa, FL 33634 Phone: (813) 885-7427 Fax: (813) 885-7049

PROJECT REFERENCE: Solutia - Sewer Area 1	PROJECT NO.: 23548	PROJECT LOCATION (STATE): IL	PAGE 1 OF 1
STL (LAB) PROJECT MANAGER: Angie Stewart	P.O. NUMBER: Bill to Solutia	CONTRACT NO.	STANDARD REPORT DELIVERY ⊗
CLIENT (SITE) PM: Kimberly Perry-Solutia	CLIENT PHONE: 314-842-4550	CLIENT FAX: 314-842-3266	DATE DUE
CLIENT NAME: Solutia	CLIENT EMAIL		EXPEDITED REPORT DELIVERY (SURCHARGE) ○
CLIENT ADDRESS: St. Louis, MO			DATE DUE
COMPANY CONTRACTING THIS WORK (if applicable):			NUMBER OF COOLERS SUBMITTED PER SHIPMENT: 1

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)	SVOCs/PCB/Herb/Pest 8270C/8080/8151A/8081A (Cont)	Metals/Hg/Cyanide 6010/7470A/9010B (Cont)	VOC Bulk Sample - PH (Cont)		VOC Bulk Sample (Cont)				REMARKS
4-19-00	0945	DAS-T3-S1-0-0.5FT	C		X			2	1	1						
4-19-00	1020	DAS-T3-S1-3-6FT	C		X			2	1		~~1~~	1				
4-19-00	0930	DAS-T3-S2-0-0.5FT	C		X			2	1	1						
4-19-00	1000	DAS-T3-S2-3-6FT	C		X			2	1		~~1~~	1				
4-19-00	0915	DAS-T3-S3-0-0.5FT	C		X			2	1	1						
4-19-00	0935	DAS-T3-S3-3-6FT	C		X			2	1		~~1~~	1				
4-19-00		TEMP BLANK		X												

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			[illegible]	4-19-00	1900			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
			[illegible] 314-0279 1050	4-19-00	1900			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL	STL-SL LOG NO.	LABORATORY REMARKS:
			YES / NO			

241A-20

SDA22

FedEx *USA Airbill* FedEx Tracking Number 8187 0379 1554

Form I.D. No. 0215

1 From Please print and press hard.

Date 04-19-00 Sender's FedEx Account Number 1187-9587-3

Sender's Name William E. Wright Phone (314) 842-4550

Company O'BRIEN & GERE

Address 12250 WEBER HILL RD Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63127

2 Your Internal Billing Reference First 24 characters will appear on invoice. 23548.040.002

3 To Recipient's Angie STewart ~~BETSY BEAUBEAUCHAMP~~ Phone (912) 354-7858

Company SAVANNAH LABRATORIES

Address 5102 LAROCHE AVE

To "HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

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.

0126730793

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 Envelope/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 Envelope/Letter*
- [ ] FedEx Pak*
- [x] Other Pkg. Includes FedEx Box, FedEx Tube, and customer pkg.

6 Special Handling — include FedEx services in Section 2

- [ ] 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	37	$ .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

SPW 3100 • Rev. Date 8/99 • Part #150213 © 1994-99 FedEx • PRINTED IN U.S.A.

Serial Number 018965

STL Savannah Laboratories
a division of Severn Trent Laboratories, 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: (850) 878-3994 — Fax: (850) 878-9504
900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
6712 Benjamin Rd., Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049

PROJECT REFERENCE: Solutia Sediment Area 1	PROJECT NO.: 23545	PROJECT LOCATION (STATE): TN	PAGE 1 OF 2
STL (LAB) PROJECT MANAGER: [illegible]	P.O. NUMBER: [illegible]	CONTRACT NO.	STANDARD REPORT DELIVERY ☒
CLIENT (SITE) PM: Kimberly Perry	CLIENT PHONE: 314-342-4500	CLIENT FAX: 314-342-2216	DATE DUE
CLIENT NAME: Solutia Inc	CLIENT EMAIL		EXPEDITED REPORT DELIVERY (SURCHARGE) ○
CLIENT ADDRESS: St. Louis MO			DATE DUE
COMPANY CONTRACTING THIS WORK (if applicable)			NUMBER OF COOLERS SUBMITTED PER SHIPMENT: 1

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)	VOCs (EPA 8260) COOL		STANDARD TCLP		SVOC/PCB/Pesticide COOL		Mercury/Hg/ COOL		VOC Bulk Sample COOL		VOC Bulk Sample COOL		REMARKS
4-19-00	1110	DAS-T4-S1-0-0.5FT	C		X			3				2		1		1				
4-19-00	1110	DAS-T4-S1-0-0.5FT-FD	C		X			3				2		1		1				
4-19-00	1225	DAS-T4-S1-3-6 FT	C		X			3				2		1				1		
4-19-00	1225	DAS-T4-S1-3-6 FT-FD	C		X			3				2		1				1		
4-19-00	0945	DAS-T3-S1-0-0.5FT	C		X			3				2		1		1				
4-19-00	1020	DAS-T3-S1-3-6FT	C		X			3				2		1				1		
4-19-00	0930	DAS-T3-S2-0-0.5FT	C		X			3				2		1						
4-19-00	1000	DAS-T3-S2-3-6 FT	C		X			3				2		1				1		
4-19-00	0915	DAS-T3-S3-0-0.5FT	C		X			3				2		1						
4-19-00	0935	DAS-T3-S3-3-6FT	C		X			3				2		1				1		
4-19-00	1005	DAS-T5-S1-0-0.5FT	C		X			3				2		1						
4-19-00	1105	DAS-T5-S1-3-6 FT	C		X			3				2		1				1		

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			William E. Elbrecht	4-19-00	1700			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
			FEDEX 8187-0379-1576	4-19-00	1900			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL	STL-SL LOG NO.	LABORATORY REMARKS:
			YES			

Serial Number 018966

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Savannah Laboratories
a division of Severn Trent Laboratories, Inc.

5102 LaRoche Avenue, Savannah, GA 31404 — Phone: (912) 354-7858 — Fax: (912) 352-0165
2846 Industrial Plaza Drive, Tallahassee, FL 32301 — Phone: (850) 878-3994 — Fax: (850) 878-9504
900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
6712 Benjamin Rd., Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049

PROJECT REFERENCE: Solutia-Sauget Area 1
PROJECT NO.: 23548
PROJECT LOCATION (STATE): IL
STL (LAB) PROJECT MANAGER: Angie Stewart
P.O. NUMBER: Bill to Solutia
CONTRACT NO.:
CLIENT (SITE) PM: Kimberly Perry
CLIENT PHONE: 314-842-4550
CLIENT FAX: 314-842-3066
CLIENT NAME: Solutia Inc.
CLIENT EMAIL:
CLIENT ADDRESS: St. Louis, MO
COMPANY CONTRACTING THIS WORK (if applicable):

PAGE 2 OF 2
STANDARD REPORT DELIVERY: X
DATE DUE:
EXPEDITED REPORT DELIVERY (SURCHARGE): O
DATE DUE:
NUMBER OF COOLERS SUBMITTED PER SHIPMENT: 1

REQUIRED ANALYSES

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)	VOC's (5035/8260B) Cool	SVOC/PCB/Herb/Pest 8270C/680/8151A/8081A Cool	Metals/Hg/Cyanide 6010B/7471A/9010B Cool	VOC Bull Sample Cool	VOC Bull Sample Cool	REMARKS
4-19-00	1020	DAS-T5-S2-0-0.5FT	C		X			3	2	1			
4-19-00	1043	DAS-T5-S2-3-6FT	C		X			3	2				
4-19-00	1040	DAS-T5-S3-0-0.5FT	C		X			3	2	1			
4-19-00	1135	DAS-T5-S3-3-6FT	C		X			3	2	1			
4-19-00		TEMP BLANK		X									
4-19-00		VOC BLANK (TRIP)		X				3					

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			William E. Wright	04-19-00	1900			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
			FED EX 8187-0379-1576	04-19-00	1900			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	STL-SL LOG NO.	LABORATORY REMARKS:
			YES			

241A-23

FedEx *USA Airbill* FedEx Tracking Number 8187 0379 1576

SDA22

0215

1 From Please print and press hard.

Date 04-19-00 Sender's FedEx Account Number 1187-9587-3

Sender's Name William E. Wright Phone (314) 842-4550

Company O'BRIEN & GERE

Address 12250 WEBER HILL RD

Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63127

2 Your Internal Billing Reference First 24 characters will appear on invoice. 23548.040.003

3 To Recipient's ~~BETSY BEAUBEAUCHAMP~~ Angie Stewart Phone (912) 354-7858

Company SAVANNAH LABRATORIES

Address 5102 LAROCHE AVE

To "HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

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.

0126730793

4a Express Package Service — Packages up to 150 lbs.

- [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 Envelope/Letter Rate not available. Minimum charge: One-pound rate.

4b Express Freight Service — Packages over 150 lbs.

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

* Call for Confirmation.

5 Packaging

- [ ] FedEx Envelope/Letter*
- [ ] FedEx Pak*
- [x] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg.

* Declared value over $500

6 Special Handling — Include FedEx services in Section 3.

- [ ] 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 on 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 3 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	36	$ .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

SRW 0100-Rev. Date 8/99-Part #154813-©1994-99 FedEx-PRINTED IN U.S.A.

Serial Number 018909

Savannah Laboratories
a division of Severn Trent Laboratories, 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: (850) 878-3994 — Fax: (850) 878-9504
900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
6712 Benjamin Rd., Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049

PROJECT REFERENCE: Solutia - Sugar Creek	PROJECT NO.: 23548	PROJECT LOCATION (STATE): IL
STL (LAB) PROJECT MANAGER: Angie Stewart	P.O. NUMBER: Bill to Solutia	CONTRACT NO.:
CLIENT (SITE) PM: Kimberly Perry	CLIENT PHONE: 314-842-4550	CLIENT FAX: 314-842-3266
CLIENT NAME: Solutia Inc.	CLIENT EMAIL:	
CLIENT ADDRESS: St. Louis, MO		
COMPANY CONTRACTING THIS WORK (if applicable):		

PAGE 1 OF 1

STANDARD REPORT DELIVERY ☒
DATE DUE ____
EXPEDITED REPORT DELIVERY (SURCHARGE) ○
DATE DUE ____

NUMBER OF COOLERS SUBMITTED PER SHIPMENT: 1

REQUIRED ANALYSES

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)	EPA/RCB/Hobbs/1st 8270C/8260/8151A/8081A (COOL)	Metals/Hg/Cyanide 6010B/7470A/9010B (COOL)	VOC Bulk Sample (COOL)	VOC Bulk Sample (COOL)	REMARKS
4-20-00	1000	DAS-T4-S2-0-0.5FT	C		X			2	1	1		
4-20-00	1015	DAS-T4-S3-0-0.5FT	C		X			2	1	1		
4-20-00	1015	DAS-T4-S3-0-0.5FT-MS/MSD	C		X			2	1	1		
4-20-00	1045	DAS-T6-S1-0-0.5FT	C		X			2	1	1		
4-20-00	1120	DAS-T6-S2-0-0.5FT	C		X			2	1	1		
4-20-00	1140	DAS-T6-S3-0-0.5FT	C		X			2	1	1		
4-20-00	1315	DAS-T7-S1-0-0.5FT	C		X			2	1	1		
4-20-00	1220	DAS-T7-S2-0-0.5FT	C		X			2	1	1		
4-20-00	—	TEMP BLANK		X								

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			[signature]	4-20-00	1900			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
			FEDEX 8187 0379 1532	4-20-00	1900			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	STL-SL LOG NO.	LABORATORY REMARKS:
			YES / NO			

241A-25

FedEx USA Airbill FedEx Tracking Number 8187 0379 632

Form I.D. No. 0216 Sender's Copy

1 From Please print and press hard

Date 4-20-00 Sender's FedEx Account Number 1187-9587-3

Sender's Name COLIN WELLENKAMP Phone (314) 842-4550

Company O'BRIEN & GERE

Address 12250 WEBER HILL RD

Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63127

2 Your Internal Billing Reference 23548.040.002
First 24 characters will appear on invoice.

3 To

Recipient's Name BETSY BEAUBEAUCHAMP Phone (912) 354-7858

Company SAVANNAH LABRATORIES

Address 5102 LAROCHE AVE

To "HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

City SAVANNAH State GA ZIP 31404

NEW POSTAGE 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.

0126730793

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

6 Special Handling — Include FedEx address in Section 3

- [ ] 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	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

SRW 0100 • Rev. Date 8/99 • Part #153813 • © 1994-99 FedEx • PRINTED IN U.S.A.

PULL AND RETAIN THIS COPY BEFORE AFFIXING TO THE PACKAGE

Serial Number 018910

STL Savannah Laboratories
a division of Severn Trent Laboratories, 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: (850) 878-3994 — Fax: (850) 878-9504
900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
6712 Benjamin Rd., Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049

PROJECT REFERENCE: Solutia-Sauget Area 1	PROJECT NO.: 235248	PROJECT LOCATION (STATE): IL
STL (LAB) PROJECT MANAGER: Annie Stewart	P.O. NUMBER: Bill to Solutia	CONTRACT NO.
CLIENT (SITE) PM: Kimberly Perry	CLIENT PHONE: 314-842-4550	CLIENT FAX: 314-842-3266
CLIENT NAME: Solutia Inc.	CLIENT EMAIL	
CLIENT ADDRESS: St. Louis, MO		
COMPANY CONTRACTING THIS WORK (if applicable):		

PAGE 1 OF 2

STANDARD REPORT DELIVERY ☒
DATE DUE ____
EXPEDITED REPORT DELIVERY (SURCHARGE) ○
DATE DUE ____
NUMBER OF COOLERS SUBMITTED PER SHIPMENT: 1

REQUIRED ANALYSES

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)	VOC's (5035/8260B) Cool	SVOC/PCB/Herb/Pest 8270C/1680/8151A/8081 Cool	Metals/HS/Cyan 6010B/7471A/9010B Cool	VOC Bulk Sample Cool					REMARKS
4-20-00	1335	DAS-T4-S2-3-6 FT	C		X			3	2	1	1					
4-20-00	1355	DAS-T4-S3-3-6 FT	C		X			3	2	1	1					
4-20-00	1435	DAS-T6-S1-3-6 FT	C		X			3	2	1	1					
4-20-00	1455	DAS-T6-S2-3-6 FT	C		X			3	2	1	1					
4-20-00	1510	DAS-T6-S3-3-6 FT	C		X			3	2	1	1					
4-20-00	1315	DAS-T7-S1-0-0.5 FT	C		X			3								
4-20-00	1220	DAS-T7-S2-0-0.5 FT	C		X			3								
4-20-00	1000	DAS-T4-S2-0-0.5 FT	C		X			3								
4-20-00	1015	DAS-T4-S3-0-0.5 FT	C		X			3								
4-20-00	1615	DAS-T7-S1-3-6 FT	C		X			3	2	1	1					
4-20-00	1555	DAS-T7-S2-3-6 FT	C		X			3	2	1	1					
4-20-00	1015	DAS-T4-S3-0-0.5 FT-MS/MSD	C		X			3								MS/MSD

LINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			[signature]	4-20-00	1900			
CEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
			FedEx 818703791521	4-20-00	1900			

LABORATORY USE ONLY

CEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES NO	CUSTODY SEAL NO.	STL-SL LOG NO.	LABORATORY REMARKS:

Serial Number 018953

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Savannah Laboratories
a division of Severn Trent Laboratories, Inc

- (X) 5102 LaRoche Avenue, Savannah, GA 31404 — Phone: (912) 354-7858 — Fax: (912) 352-0165
- ( ) 2846 Industrial Plaza Drive, Tallahassee, FL 32301 — Phone: (850) 878-3994 — Fax: (850) 878-9504
- ( ) 900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
- ( ) 6712 Benjamin Rd., Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049

PROJECT REFERENCE: Solutia - Sauget Area 1	PROJECT NO.: 23548	PROJECT LOCATION (STATE): IL	PAGE 2 OF 2
STL (LAB) PROJECT MANAGER: Angie Stewart	P.O. NUMBER: Bill to Solutia	CONTRACT NO.	STANDARD REPORT DELIVERY (X) DATE DUE
CLIENT (SITE) PM: Kimberly Perry	CLIENT PHONE: 314-842-4550	CLIENT FAX: 314-842-3266	EXPEDITED REPORT DELIVERY (SURCHARGE) ( ) DATE DUE
CLIENT NAME: Solutia Inc.	CLIENT EMAIL:		
CLIENT ADDRESS: St. Louis, MO			NUMBER OF COOLERS SUBMITTED PER SHIPMENT: 1
COMPANY CONTRACTING THIS WORK (if applicable):			

MATRIX TYPE: COMPOSITE (C) OR GRAB (G) INDICATE; AQUEOUS (WATER); SOLID OR SEMISOLID; AIR; NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)

REQUIRED ANALYSES: VOC's (5035/8260A); COOL

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
4-20-00	1045	DAS-T6-S1-0-0.5FT	C		X			3	
4-20-00	1120	DAS-T6-S2-0-0.5FT	C		X			3	
4-20-00	1140	DAS-T6-S3-0-0.5FT	C		X			3	
4-20-00		TEMP BLANK		X					
4-20-00		TRIP BLANK		X				3	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			[signature]	4-20-00	1900			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
			FedEx 8187 0379 1521	4-20-00	1900			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL	STL-SL LOG NO.	LABORATORY REMARKS:
			YES / NO			

FedEx USA Airbill FedEx Tracking Number 8187 0379 1521

Form Ep. No. 0E1E Sender's Copy

1 From Please print and press hard.

Date 4-20-00 Sender's FedEx Account Number 1187-9587-3

Sender's Name DEHavordink Phone (314) 842-4550

Company O'BRIEN & GERE

Address 12250 WEBER HILL RD Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63127

2 Your Internal Billing Reference First 24 characters will appear on invoice 23548.040 ; 003

3 To Recipient's Name ~~BETSY BEAUBEAUCHAMP~~ A. Stewart Phone (912) 354-7858

Company SAVANNAH LABRATORIES

Address 5102 LAROCHE AVE
To "HOLD" at FedEx location, print FedEx address here. We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

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.

0126730793

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

6 Special Handling Include FedEx address in Section 3.

- [ ] 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	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

SRW 8100 • Rev. Date 8/99 • Part #154813 • ©1994-99 FedEx • PRINTED IN U.S.A.

PULL AND RETAIN THIS COPY BEFORE AFFIXING TO THE PACKAGE.

JE Haverdin

CLIENT CHAIN OF CUSTODY 1 of 2 **SAMPLER'S SIGNATURE** Lty P. W **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 to Solutia

(SOL05 /FMS)

Data to be reported to the state of MO.

Analysis Wanted (2): Dioxin (8280)

Total Number of Containers: 10

Turn Around Time (In Calendar Days):

Sample ID (3)	Date / Time	Preservation (4)	Matrix	Sample Amt.	Dioxin (8280)					Remarks
DAS-T4-S2-0-0.5FT	4-20-00/1000	Cool	soil	500ml	X					
DAS-T4-S3-0-0.5FT	4-20-00/1015	Cool	soil	500ml	X					
DAS-T4-S3-0-0.5FT ms/msD	4-20-00/1015	Cool	soil	500ml	X					ms/msD
DAS-T6-S1-0-0.5FT	4-20-00/1045	Cool	soil	500ml	X					
DAS-T6-S1-3-6FT	4-20-00/1435	Cool	soil	500ml	X					
DAS-T6-S2-0-0.5FT	4-20-00/1120	Cool	soil	500ml	X					
DAS-T6-S3-0-0.5FT	4-20-00/1140	Cool	soil	500ml	X					
DAS-T7-S1-0-0.5FT	4-20-00/1315	Cool	soil	500ml	X					
DAS-T7-S2-0-0.5FT	4-20-00/1220	Cool	soil	500ml	X					
TEMP BLANK	4-20-00	Cool	WATER							

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
JE Haverdin	4-20-00/1900	Fed Ex 817094231808			

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.

CLIENT CHAIN OF CUSTODY 2 of 2 **SAMPLER'S SIGNATURE** [signature] **Project/Quote 05023/9900001069**

From (1): Solutia, Inc.
575 Maryville Center Drive
St. Louis, MO 63141

Contact: ~~A. Cork~~
Phone: 314-393-3721
Fax: 314-674-8957

Project (1): Sauget Area 1 Support Sampling

P.O.# (1): direct bill Solutia

(SOL05 /FMS)

Data to be reported to the state of MO.

Analysis Wanted (2): DIOXIN (8280A)

Total Number of Containers: 4

Turn Around Time (In Calendar Days):

Sample ID (3)	Date / Time	Preservation (4)	Matrix	Sample Amt.	DIOXIN (8280A)					Remarks
DAS-T3-S3-0-0.5FT-EB	4-20-00 0820	cool, $Na_2S_2O_3$	water	2 l	X					
DAS-T5-S1-0-0.5FT-EB	4-20-00 0930	cool, $Na_2S_2O_3$	water	2 l	X					

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
[signature]	4-20-00/1900	FedEx 8170 9423 1808			

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 8170 9423 1808 Form I.D. No. 0215

1 From Please print and press hard

Date 4-20-00 Sender's FedEx Account Number 1187-9587-3

Sender's Name DE Haverdink Phone (314) 842-4550

Company O'BRIEN & GERE

Address 12250 Weber Hill Rd ~~5000 CEDAR PLAZA PKWY STE 211~~ Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63128 7

2 Your Internal Billing Reference First 24 characters will appear on invoice 23548.040.002

3 To

Recipient's Name FRANK STEVENS Phone (919) 544-5729

Company TRIANGLE LABORTIES

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

0119392504

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	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

SRP 1199 • Rev. Date 11/98 • Part #154813S • © 1994-98 FedEx • PRINTED IN U.S.A.

RETAIN THIS COPY FOR YOUR RECORDS

Serial Number 016199

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Savannah Laboratories
a division of Severn Trent Laboratories, Inc.

☒ 5102 LaRoche Avenue, Savannah, GA 31404 — Phone: (912) 354-7858 — Fax: (912) 352-0165
○ 2846 Industrial Plaza Drive, Tallahassee, FL 32301 — Phone: (850) 878-3994 — Fax: (850) 878-9504
○ 900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
○ 6712 Benjamin Rd., Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049

PROJECT REFERENCE: Sauget Area 1	PROJECT NO.: 23548	PROJECT LOCATION (STATE): IL	PAGE 1 OF 1
STL (LAB) PROJECT MANAGER: A. Stewart	P.O. NUMBER: direct bill Solutia	CONTRACT NO:	STANDARD REPORT DELIVERY ☒ DATE DUE
CLIENT (SITE) PM: K. Polly	CLIENT PHONE:	CLIENT FAX:	EXPEDITED REPORT DELIVERY (SURCHARGE) ○ DATE DUE
CLIENT NAME: Solutia, Inc.	CLIENT EMAIL:		
CLIENT ADDRESS: St. Louis, MO			
COMPANY CONTRACTING THIS WORK (if applicable):			NUMBER OF COOLERS SUBMITTED PER SHIPMENT: 1

REQUIRED ANALYSES

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)	SVOCs (8270C)	PCBs (680)	PESTs (8081A)	HERBs (8151A)	Metals (6010B)	Mercury (7470A)	Cyanide (9010B)			REMARKS
								← cool				HNO_3	HNO_3	NaOH →			
4-20-00	0820	DAS-T3-S3-0-0.5FT-ER	G	X				2	2	2	2	1	1	1			
4-20-00		Temp blank		X													

NUMBER OF CONTAINERS SUBMITTED

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
J. Bradford	4/10/00		J E Hanover	4-20-00	1900			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
J E Hanover	4-11-00		FedEx 818703791624	4-20-00	1900			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	STL-SL LOG NO.	LABORATORY REMARKS:
			YES NO			

241A-33

FedEx USA Airbill FedEx Tracking Number 8187 0375 4624

Form I.D. No. 0215

1 From Please print and press hard

Date 4-20-00 Sender's FedEx Account Number 1187-9587-3

Sender's Name DE Haverdink Phone (314) 842-4550

Company O'BRIEN & GERE

Address 12250 WEBER HILL RD Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63127

2 Your Internal Billing Reference First 24 characters will appear on invoice 23548.040.002

3 To Recipient's Name ~~BETSY BEAUBEAUCHAMP~~ A. Stewart Phone (912) 354-7858

Company SAVANNAH LABRATORIES

Address 5102 LAROCHE AVE
To "HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept./Floor/Suite/Room

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.

0126730793

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 Envelope/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 Envelope/Letter*
[ ] FedEx Pak*
[X] Other Pkg. Includes FedEx Box, FedEx Tube, and customer pkg

6 Special Handling — Include FedEx Shipments in Section 1

[ ] 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 in select locations

Does this shipment contain dangerous goods?
Dangerous Goods cannot be shipped in FedEx packaging.

[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

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: 1 Total Weight: 41 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

SRW Print-Ready Form R20 Rev 4/98 © 1994-98 FedEx PRINTED IN U.S.A.

PULL AND RETAIN THIS COPY BEFORE AFFIXING TO THE PACKAGE

241A-34

Laboratories
a division of Seve[illegible] Laboratories, Inc.
6712 Benjamin Rd., Suite 100, Tampa, FL 33634 Phone: (813) 885-[illegible] Fax: (813) 885-7049

PROJECT REFERENCE: Sauget Area 1	PROJECT NO.: 23548	PROJECT LOCATION (STATE): IL	PAGE 1 OF 1
STL (LAB) PROJECT MANAGER: A. Stewart	P.O. NUMBER: direct bill Solutia	CONTRACT NO.:	STANDARD REPORT DELIVERY: X DATE DUE
CLIENT (SITE) PM: K. Perry	CLIENT PHONE:	CLIENT FAX:	EXPEDITED REPORT DELIVERY (SURCHARGE): O DATE DUE
CLIENT NAME: Solutia, Inc.	CLIENT EMAIL:		
CLIENT ADDRESS: St. Louis, MO			NUMBER OF COOLERS SUBMITTED PER SHIPMENT: 1
COMPANY CONTRACTING THIS WORK (if applicable):			

REQUIRED ANALYSES

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)	VOCs (8260B)	SVOCs (8270C)	PCBs (680)	PESTs (8081A)	HERBs (8151A)	Metals (6010B)	Mercury (7470A)	Cyanide (9010B)			REMARKS
								HCl					HNO_3	HNO_3	NaOH			
								← cool →										
4-20-00	0930	DAS-T5-S1-0-0.5 FT-EB	G	X				3	2	2	2	2	1	1	1			
4-20-00	0820	DAS-T3-S3-0-0.5 FT-EB	G	X				3										
4-20-00		Trip blank		X				3										
4-20-00		Temp blank		X														

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	2/11/00	2:50	[signature]	4-20-00	1900			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
[signature]	4-20-00	0800	FedEx 8187 0379 1543 ~~8170 [illegible] 1749~~	4-20-00	1900			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	STL-SL LOG NO.	LABORATORY REMARKS:
			YES NO			

FedEx *USA Airbill* FedEx Tracking Number 8187 0370 543

Form ID No. 0215

1 From Please print and press hard

Date 4-20-00 Sender's FedEx Account Number 1187-9587-3

Sender's Name DE Haverdink Phone (314) 842-4550

Company O'BRIEN & GERE

Address 12250 WEBER HILL RD

Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63127

2 Your Internal Billing Reference First 24 characters will appear on invoice 23548.040.002

3 To Recipient's Name A. Stewart ~~BETSY BEAUBEAUCHAMP~~ Phone (912) 354-7858

Company SAVANNAH LABRATORIES

Address 5102 LAROCHE AVE

To "HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

City SAVANNAH State GA ZIP 31404

NEW FEDEX ADDRESSING SYSTEM

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.

0126730793

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 Envelope/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 — * Declared value limit $500

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

6 Special Handling — Not available for FedEx Express Saver

- [ ] 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 1 Total Weight 43 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

SAV 0170 Rev. Date 8/98 Part #150811 ©1994-98 FedEx PRINTED IN U.S.A.

PULL AND RETAIN THIS COPY BEFORE APPLYING TO THE PACKAGE

Section 3.19

3.19. Background Soil Samples

3.19.1. Rationale/Design

Background soil samples were collected at the locations of the background (upgradient) ground water wells, specifically Existing Wells EE-20, EE-04, and EEG-108, which are east of Sites I, H, and L, respectively. As permission for access to Well Location EE-04 could not be obtained from the property owner, a substitute location was chosen (EE-04-SUB). The Solutia representative approved this location, which is east of EE-04 (Figure 2). Samples were collected from depths of 0 to 0.5 foot and 3 to 6 feet below ground surface. Surface and subsurface soil sampling stations were co-located. Visual observation (discoloration) and PID readings were recorded. In addition to chemical analysis of the surface soils, a change order was approved for geotechnical physical analysis. (See Section 3.19.4.1 for the change order and Section 3.19.4.3 for physical analysis data results.) VOC samples were collected using EnCore™ samplers per USEPA Method 5035.

Number of Background Soil Samples 6

Analyses:

Bulk Density*	USCOE Method EM 1110-2-1906, Appendix II
Cyanide	USEPA Method 9010B
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*	ASTM Method D854
SVOCs	USEPA Method 8270C
VOCs	USEPA Method 5035/8260B

(* - Analysis performed for surface soils only.)

Sampling locations were selected in the field with the concurrence of USEPA Region V or its designee.

3.19.2. 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.

3.19.3. Field Procedures

Prior to performing field work, a Preparatory Inspection Meeting attended by a representative of each of the interested parties was held (Section 3.19.4.2).

Field procedures for collection of background surface and subsurface soil samples followed the procedures for collection of surface and subsurface soil samples in undeveloped areas as described in Section 3.17.3, except for the following difference:

- Direct push technology, using a MacroCore® sampler with clear acetate liners was used for collection of all (versus some) background subsurface soil samples.

3.19.4. Documentation

The change order for soil physical analysis is included in Section 3.19.4.1. Field logs generated are in Record Book Nos. 2 and 3 (Appendix D). Figure 2 depicts the background soil sample locations. The Thompson Engineering report for soil physical analysis is in Section 3.19.4.3. Chain-of-custody forms are included in Section 3.19.4.4.

Documentation for this task continues on the next page.

3.19.4.1. Change Orders and Deviation/Clarification Log

cc Jane
Bradley
Beauchamp
→ Cork Pil
Weston Pil

2

PROJECT CHANGE ORDER

'F EN & GERE ENGINEERS, INC.
ECT 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

UBMITTED TO Kimberly Perry COMPANY Solutia Inc
UBMITTED 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 REVERS

245A-1

LOUIS\DIVISION\ADMIN\1999\PCORQUST.WPD

3.19.4.2. Preparatory Inspection Meeting Form

PREPARATORY INSPECTION MEETING

Conducted by/Company: DE Haversdink / O'Brien + Gere **Date:** 24 JAN 00
Project Name: Solutia - Singer Area 1 **Task:** Background soil samples

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 1 surface sample and 1 subsurface sample of soil at locations of background (upgradient) groundwater sampling; 6 total samples

(2) · Surface samples collected from 0-0.5 ft w/ stainless steel bowls + spoons, possibly hand augers, by OBG personnel; EnCore® sample from in-place soil
· Subsurface samples collected from 3-6 ft w/ MacroCore® sampler and direct push technology by Harris and OBG; sample composited w/ stainless steel bowls + spoons; EnCore® sample from top of sampler (3')

(3) FSP # 5.19 ; HASP # 2.8

(4) Incomplete recovery → step over to an adjacent location and collect again

(5) Restore disturbed areas

(6) Soil sampling will take place concurrently with upgrad. GW sampling

ATTENDANCE:

EMPLOYEE NAME (print)	EMPLOYEE SIGNATURE	COMPANY
Ken Lafferty	[signature]	MAVERICK
Jim Harris	[signature]	Harris Drilling
William E. Wright	[signature]	OBG
Earl Kamper	[signature]	RFW
Kimberly Perry	[signature]	Solutia

IF ADDITONAL SPACE IS REQUIRED, RECORD ON REVERSE SIDE

cc: K. Perry 24 JAN 00
E. Kamper @ 1800

DE Haversdink / DE Haversdink
PRINTED NAME/ SIGNATURE OF PREPARER

24 JAN 00
DATE

3.19.4.3. Thompson Engineering Report

Thompson Engineering

MARCH 3,2000

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

JOB #: 1999-00-0774
LAB #: 3853

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

SAMPLE IDENTIFICATION: BS-EEG-108-0-0.5'
SAMPLE DESCRIPTION: FINE SANDY SILT

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

.... LABORATORY RESULTS ....

(a): SAMPLE HEIGHT (cm):	10.373
(b): SAMPLE DIAMETER (cm):	10.160
(c): SAMPLE AREA (cm2):	81.073
(d): SAMPLE VOLUME (cc):	841.00
(e): MASS OF WET SPECIMEN (g):	1770.1
(f): MASS OF DRY SPECIMEN (g):	1484.4
(g): MASS OF CONTAINER (g):	169.90
(h): MASS OF CONTAINER & WET SPECIMEN (g):	433.20
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	390.70
(j): MASS OF WATER (g):	42.50
(k): MASS OF DRY SPECIMEN (g):	220.80
(l): WATER CONTENT (%):	**19.25**
(m): WET DENSITY (PCF):	**131.34**
(n): DRY DENSITY (PCF):	**110.14**
(o): SPECIFIC GRAVITY:	2.653
(p): VOLUME OF SOLIDS (cc):	559.51
(q): VOID RATIO:	**0.50**
(r): DEGREE OF SATURATION (%):	101.50
(s): POROSITY (%):	**33.47**

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

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: BS-EEG-108- 0-0.5'

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

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

(A) WEIGHT OF PYCNOMETER (g):	168.56	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	247.93	
(C) WEIGHT OF SAMPLE (g):	79.37	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	667.64	
(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):	717.09	
(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)):	2.653	
CORRECTION FACTOR (K):	1.000196	
(Gs @ 20 C =(Gs @ T1)*K:)	2.653	

SPECIFIC GRAVITY:	**2.653**

MATERIALS ENGINEERING LABORATORY

249A-2

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

Thompson Engineering

MARCH 3,2000

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

JOB #: 1999-00-0774
LAB #: 3852

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

SAMPLE IDENTIFICATION: BS-EE04-0-0.5'-SUB
SAMPLE DESCRIPTION: CLAY, TRACE SAND

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

.... LABORATORY RESULTS ....

(a): SAMPLE HEIGHT (cm):	8.627
(b): SAMPLE DIAMETER (cm):	10.160
(c): SAMPLE AREA (cm2):	81.073
(d): SAMPLE VOLUME (cc):	699.42
(e): MASS OF WET SPECIMEN (g):	1319.9
(f): MASS OF DRY SPECIMEN (g):	1002.1
(g): MASS OF CONTAINER (g):	162.90
(h): MASS OF CONTAINER & WET SPECIMEN (g):	374.30
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	323.40
(j): MASS OF WATER (g):	50.90
(k): MASS OF DRY SPECIMEN (g):	160.50
(l): WATER CONTENT (%):	**31.71**
(m): WET DENSITY (PCF):	**117.76**
(n): DRY DENSITY (PCF):	**89.40**
(o): SPECIFIC GRAVITY:	2.618
(p): VOLUME OF SOLIDS (cc):	382.77
(q): VOID RATIO:	**0.83**
(r): DEGREE OF SATURATION (%):	100.36
(s): POROSITY (%):	**45.27**

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

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: BS-EE04-0-0.5' -SUB

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

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

(A) WEIGHT OF PYCNOMETER (g):	169.86	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	221.76	
(C) WEIGHT OF SAMPLE (g):	51.90	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	668.78	
(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):	700.85	
(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)):	2.617	
CORRECTION FACTOR (K):	1.000176	
(Gs @ 20 C =(Gs @ T1)*K:)	2.618	

SPECIFIC GRAVITY:	**2.618**

MATERIALS ENGINEERING LABORATORY

249A-4

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

Thompson Engineering

MARCH 3,2000

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

JOB #: 1999-00-0774
LAB #: 3858

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

SAMPLE IDENTIFICATION: EE20-0-0.5'
SAMPLE DESCRIPTION: SILT, TRACE SAND

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

.... LABORATORY RESULTS ....

(a): SAMPLE HEIGHT (cm):	7.991
(b): SAMPLE DIAMETER (cm):	10.160
(c): SAMPLE AREA (cm2):	81.073
(d): SAMPLE VOLUME (cc):	647.84
(e): MASS OF WET SPECIMEN (g):	1226.3
(f): MASS OF DRY SPECIMEN (g):	977.5
(g): MASS OF CONTAINER (g):	156.80
(h): MASS OF CONTAINER & WET SPECIMEN (g):	366.80
(i): MASS OF CONTAINER & DRY SPECIMEN (g):	324.20
(j): MASS OF WATER (g):	42.60
(k): MASS OF DRY SPECIMEN (g):	167.40
(l): WATER CONTENT (%):	**25.45**
(m): WET DENSITY (PCF):	**118.12**
(n): DRY DENSITY (PCF):	**94.16**
(o): SPECIFIC GRAVITY:	2.619
(p): VOLUME OF SOLIDS (cc):	373.25
(q): VOID RATIO:	**0.74**
(r): DEGREE OF SATURATION (%):	90.59
(s): POROSITY (%):	**42.39**

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

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: EE-20-0-0.5'

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

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

(A) WEIGHT OF PYCNOMETER (g):	178.53	
(B) WEIGHT OF PYCNOMETER AND SAMPLE (g):	226.78	
(C) WEIGHT OF SAMPLE (g):	48.25	
(D) WEIGHT OF PYCNOMETER AND WATER (g):	677.25	
(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):	707.07	
(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)):	2.618	
CORRECTION FACTOR (K):	1.000196	
(Gs @ 20 C =(Gs @ T1)*K:)	2.619	

SPECIFIC GRAVITY:	**2.619**

MATERIALS ENGINEERING LABORATORY

249A-6

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

3.19.4.4. Chain-of-Custody Forms

Figure 1. *Example chain-of-custody*

Project Name: Support Sampling . Sauget Area Site, Solutia Inc.
Job No. [illegible]54[illegible]
Sheet 1 of 1

Office: O'BRIEN & GERE ENG
Address: 12250 WEBER HILL Rd. ST. LOUIS, MO 63127
Phone: (314) 842-4556

CHAIN OF CUSTODY

Cooler Temperature _____

CLIENT: SOLUTIA, INC.
LOCATION: SAUGET, IL, AREA 1.

COLLECTED BY: (Signature) [signature]

SAMPLE DESCRIPTION/LOCATION	Date	Time	Sample Matrix[1]	Sample Type[2]	No. of Containers	ANALYSIS REQUESTED[1]	Sample Preservation
FASED-CSE-S17-0-28"	[illegible]		SEDIMENT	COMPOSITE	1	GRAIN SIZE	NONE
BSEE04-0-5'-Sub			SOIL			* SEE BELOW	
FASED-CSE-S15-0-19"	[illegible]		SEDIMENT			GRAIN SIZE	
FASED-CSE-S5E-0-24"	[illegible]						
FASED-CSE-S13E-0-21"	[illegible]						
FASED-CSE-S14W-0-31"	[illegible]						
FASED-CSE-S4E-0-17"	[illegible]						
FASED-CSE-S12-0-21"	[illegible]						
FASED-CSD-S4-0-23"	[illegible]						
FASED-CSF-S39S-0-26"	[illegible]						
FASED-CSF-S4-0-7"	[illegible]						
~~FASED-CSF-S4-0-7"~~ FASED-CSF-S23-0-15"							

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

Relinquished by:	Date	Time	Received by:	Date	Time
Colin Wellenkamp of: O'BRIEN & GERE	2-17-00	1723	12610X1608102757 16 of: UPS	2/17/00	1723
Relinquished by: of:			Received by: [signature] of: THOMPSON ENG.	2-21-00	1200
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:		

* Bulk density, moisture content, specific gravity

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"	[illegible]		Sediment	Comp.	1	Grain Size	None
FASED-CSE-S22E-0-26"	[illegible]		↓	↓	↓	↓	↓
FASED-CSE-S23-0-23"	[illegible]		↓	↓	↓	↓	↓
FASED-CSE-S25W-0-29"	[illegible]		↓	↓	↓	↓	↓
SITE N B1	[illegible]		soil	↓	↓	(Bulk Density)	↓
SITE N B2	[illegible]		↓	↓	↓	(Moisture Content)	↓
SITE N B3	[illegible]		↓	↓	↓	(Specific Gravity)	↓
SITE N B4	[illegible]		↓	↓	↓	↓	↓
EE20-0-.5'	[illegible]		↓	↓	↓	↓	↓
~~[illegible]~~							

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

	Date	Time		Date	Time
Relinquished by: David E. Haverdink of: O'Brien + Gere	17FEB00	1725	Received by: 12610X160810275725 of: UPS	2/7/00	1725
Relinquished by: _____ of: _____			Received by: [signature] 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: _____		

Figure 1. *Example chain-of-custody*

Project Name: Support Sampling . Sauget Area 1 Site. Solutia Inc.
Job No 25548
Sheet 1 of 1

Office: O'Brien + Gere
Address: 12250 Weber Hill Rd., St. Louis, MO 63127 CHAIN OF CUSTODY
Phone: 314-842-4550 Cooler Temperature _____

CLIENT: Solutia Inc.
LOCATION: Sauget Area 1
COLLECTED BY: (Signature) Colin Wellenkamp

SAMPLE DESCRIPTION/LOCATION	Date	Time	Sample Matrix[1]	Sample Type[2]	No. of Containers	ANALYSIS REQUESTED[1]	Sample Preservation
FASED-BPL-S1-0-10"			SEDIMENT	COMPOSITE	1	Grain size	None
FASED-BPL-S2-0-10"			SEDIMENT			↓	
BS-EEG-108 0-5ft			SOIL			* see below	
FASED-BPL-S8-0-1"						Grain size	
FASED-BPL-S4-0-10"							
FASED-BPL-S5-0-9"							
FASED-BPL-S6-0-11"							
FASED-BPL-S7-0-18"							
FASED-BPL-S7-0-1"							
FASED-CSB-S10W-0-1"			↓	↓	↓	↓	↓

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

Relinquished by	Date	Time	Received by	Date	Time
Relinquished by: COLIN WELLENKAMP of: O'BRIEN & GERE	2-17-00	1725	Received by: 1Z6-10X16605 1027574 3 of: UPS	2-17-00	1725
Relinquished by: _____ of: _____			Received by: [signature] of: THOMPSON ENG.	2-21-00	1200
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: _____		

* Bulk density, moisture content, specific gravity

Serial Number 13044[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
Sauget Area 1	23548	Direct Bill to Solutia

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE
IL	William E. Wright	FAX

CLIENT NAME	CLIENT PROJECT MANAGER
Solutia Inc	Kimberly Perry

CLIENT ADDRESS (CITY, STATE, ZIP): St. Louis MO

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMI-SOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: PCB (8082) — SVOCs (SW8270C) — VOCs (SW8260B) — Metals (6010) — Mercury (7470/7471) — Ignitable (1010) — PCBs (SW8082) — Herbs (SW8151A) — Volatile Halogens

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 Semi-Solid	Air	Nonaqueous Liquid	PCB (8082)	SVOCs (SW8270C)	VOCs (SW8260B)	Metals (6010)	Mercury (7470/7471)	Ignitable (1010)	PCBs (SW8082)	Herbs (SW8151A)	Volatile Halogens	REMARKS
								Cool	Cool	Cool	Cool		Cool				
~~01/24/00~~	~~1040~~		~~EE20~~														
01/24/00	1040		BS-EE20-0.5FT					1	1	1	1		1				
01/24/00	1115		BS-EE20-3-6 FT					1	1	1	1		1				
01/24/00	—		Temp Blank														

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			William E. Wright	01/24/00	1900			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
			Fed Ex 8170-9423-8352	01/24/00	1900			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			☐ YES ☐ NO			

251A-4

FedEx USA Airbill FedEx Tracking Number 8170 9422 8352

1 From Please print and press hard

Date 01/24/00 Sender's FedEx Account Number 1187-9587-3

Sender's Name Colin Wellenkamp 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 23548.030.009

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

0215 Sender's Copy

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? (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	15	$ .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 #154813S • © 1994-98 FedEx • PRINTED IN U.S.A.

RETAIN THIS COPY FOR YOUR RECORDS

LIENT CHA OF CUSTODY SAMPLER'S SIGNATURE Jeffrey E. Wright Project/Quote 04998/9900001

From (1): Solutia, Inc.
575 Maryville Center Drive
St. Louis, MO 63141
Project (1): Sauget Area 1 Support Sampling

Contact: Ms. Kimberly Perry
Phone: 314 393 3721
Fax: 314 674 8957
P.O.# (1) ~~03~~ Direct Bill to Solutia

Analysis Wanted (2): Dioxin (8280) | Dioxin (8290)

Total Number of Containers: ~~8~~ 5

Turn Around Time (In Calendar Days):

SOL05 /FMS)

Data to be reported to the state of MO

ample ID (3)	Date / Time	Preservation (4)	Matrix	Sample Amt.	Dioxin (8280)	Dioxin (8290)				Remarks
-EE20-0.5FT	01-24-00/1040	cool	soil	500 ml	X					
-EE20-3.6FT	01-24-00/1115	cool	soil	500 ml	X					
GW-EE20-60FT	01-24-00/1615	$Na_2S_2O_3$, cool	water	2, 1 liter	~~X~~ JBH	X				
emp Blank	01-24-00 1800	cool	water							

elinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
Jeffrey E. Wright	01/24/00 1900	Fed Ex 5176-9423-1565			

eceived 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

irections:
(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.

251A-6

FedEx USA Airbill Fedex Tracking Number 8170 9423 1565

8DA12

0215

1 From Please print and press hard

Date 01-24-00 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 23548.030.009

3 To

Recipient's Name FRANK STEVENS Phone (919) 544-5729

Company TRIANGLE LABORTIES

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

0119392504

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 cannot be declared

- [X] No
- [ ] Yes — As per attached Shippers Declaration
- [ ] Yes — Shippers 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

Total Packages 1 Total Weight 22 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

RETAIN THIS COPY FOR YOUR RECORDS

Serial Number 021293

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

STL Savannah Laboratories
a division of Severn Trent Laboratories, Inc.

- ⊗ 5102 LaRoche Avenue, Savannah, GA 31404 — Phone: (912) 354-7858 — Fax: (912) 352-0165
- ○ 2846 Industrial Plaza Drive, Tallahassee, FL 32301 — Phone: (850) 878-3994 — Fax: (850) 878-9504
- ○ 900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
- ○ 6712 Benjamin Rd., Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049

PROJECT REFERENCE: Sauget Area 1	PROJECT NO.: 23548	PROJECT LOCATION (STATE): TL
STL (LAB) PROJECT MANAGER: B. Beauchamp	P.O. NUMBER: Direct Bill to Solutia	CONTRACT NO:
CLIENT (SITE) PM: Kimberly Perry	CLIENT PHONE:	CLIENT FAX:
CLIENT NAME: Solutia Inc	CLIENT EMAIL:	
CLIENT ADDRESS: St. Louis, MO		
COMPANY CONTRACTING THIS WORK (if applicable):		

PAGE 1 OF 1

STANDARD REPORT DELIVERY ⊗ DATE DUE

EXPEDITED REPORT DELIVERY (SURCHARGE) ○ DATE DUE

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

MATRIX TYPE: COMPOSITE (C) OR GRAB (G) INDICATE; AQUEOUS (WATER); SOLID OR SEMISOLID; AIR; NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)

REQUIRED ANALYSES / NUMBER OF CONTAINERS SUBMITTED

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)	VOC's (SW8260)	Metals (SW6010)	Mercury (SW7470A)	Cyanide (SW9010B)	SVOC's (SW8270)	PCB's (8082)	Pesticides (SW8081A)	Herbicides (SW8151A)		VOC's (SW5035/8260B)	REMARKS
								HCL	HNO_3	HNO_3	NaOH							
								Cool	Cool	Cool	Cool	Cool	Cool	Cool	Cool		Cool	
01-24-00	1615	UG-GW-EE20-60FT	G	X				3	1	1	1	2	2	2	2			
01-24-00	Ens/1040	BS-EE20-0.5FT			X												3	
01-24-00	1115	BS-EE20-3-6FT			X												3	
01-24-00	—	Trip Blank		X				3										
01-24-00	—	Temp Blank		X														

251A-8

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
F Swafford	12/7/99	5:25	William E Wright	01-24-00	1900			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
William E Wright	12/7/99	0800	Fed Ex 8170-9427-8330	01-24-00	1900			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	STL-SL LOG NO.	LABORATORY REMARKS:
			YES NO			

CLIENTS FIELD COPY

FedEx USA Airbill FedEx Tracking Number 8170 9422 8330

1 From Please print and press hard

Date 01-24-00 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 23548.030.009

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 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?

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:

- [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

Ship (1) 1 of 1 Rev. Date 11/98 • Part #150813S • © 1994-98 FedEx • PRINTED IN U.S.A.

RETAIN THIS COPY FOR YOUR RECORDS

Fax

To:	Frank Stevens	**From:**	Dave Haverdink
Fax:	919-544-5491	**Pages:**	2
Phone:		**Date:**	25 JAN 00
Re:		**CC:**	

☒ **Urgent** ☐ **For Review** ☐ **Please Comment** ☐ **Please Reply** ☐ **Please Recycle**

Please note the correction to the following COC which was shipped on 24 JAN 00. Please call me with questions at 314-280-6435.

CLIENT CHAIN OF CUSTODY | **SAMPLER'S SIGNATURE** William E. Wright | **Project/Quote 04998/9900001069**

From (1): Solutia, Inc.
575 Maryville Center Drive
St. Louis, MO 63141

Contact: Ms. Kimberly Perry
Phone: 314 393 3721
Fax: 314 674 8052
PO # (1) ~~03~~ Direct Bill to Solutia

Project (1): Sauget Area 1 Support Sampling

(SOL05 /FMS)

Data to be reported to the state of MO.

Analysis Wanted (2): Dioxin (8290), Dioxin (8270)

Total Number of Containers: ~~8~~ 5

Turn Around Time (In Calendar Days):

Sample ID (3)	Date / Time	Preservation (4)	Matrix	Sample Amt.	Dioxin (8290)	Dioxin (8270)				Remarks
BS-EE20-0.5FT	01-24-00/1040	cool	soil	500 ml	X					
BS-EE20-3.6FT	01-24-00/1115	cool	soil	500 ml	X					
UG-GW-EE20-60FT	01-24-00/1615	$Na_2S_2O_3$, cool	water	2, 1 liter	~~X~~ JSH	X				
Temp Blank	01-24-00 1840	cool	water							

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
William E. Wright	01/24/00 1900	Fed Ex 5176-9423-1565			

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.

251A-11

HP LaserJet 3100
Printer/Fax/Copier/Scanner

SEND CONFIRMATION REPORT for
Maverick Construction Managemen
781 245 5468
Jan-25-00 8:11AM

Job	Start Time	Usage	Phone Number or ID	Type	Pages	Mode	Status
698	1/25 8:10AM	1'11"	919+544+5491	Send.....	2/ 2	144	Completed.....

Total 1'11" Pages Sent: 2 Pages Printed: 0

Sauget Site Field Office

Fax

To: Frank Stevens From: Dave Hawerdink
Fax: 919-544-5491 Pages: 2
Phone: Date: 25 JAN 00
Re: CC:

☒ Urgent ☐ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

Please note the correction to the following COC which was shipped on 24 JAN 00. Please call me with questions at 314-270-6425.

CLIENT CHAIN OF CUSTODY SAMPLER'S SIGNATURE [illegible] Project/Quote 04961/990000[illegible]

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): Bill to Solutia

Analysis Wanted (2): Dioxin 8280

Total Number of Containers: 4

Turn Around Time (In Calendar Days)

(SOL06 /FMS) Data to be reported to the state of MO.

Sample ID (3)	Date / Time	Preservation (4)	Matrix	Sample Amt.	Dioxin 8280				Remarks
[illegible]-015FT-SUB	01-26-00/0858	cool	soil	500 ml	X				
[illegible]-015FT-SUB-FD	01-26-00/0858	cool	soil	500 ml	X				
[illegible]-76FT-SUB	01-26-00/0940	cool	soil	500 ml	X				
Trip Blank	01/26/00	cool	water						

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
[illegible]	01/26/00 1900	FedEx 8170-9423-1587			

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.

251A-14

FedEx USA Airbill FedEx Tracking Number 8170 9423 1587

0215

1 From Please print and press hard.

Date 01-26-00 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 23548.030.009

3 To

Recipient's Name FRANK STEVENS Phone (919) 544-5729

Company TRIANGLE LABORTIES

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.

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	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

01193925

RETAIN THIS COPY FOR YOUR RECORDS

ENVIRONMENTAL SERVICES, INC

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

12 Benjamin Road, Suite 100, Tampa, FL 33634
Alpha Drive, Suite 110, Destrehan, LA 70047 Phone: (504) 764-1100 Fax (504) 725-1165

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
[illegible]	[illegible]	[illegible]

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE
	[illegible]	FAX

CLIENT NAME	CLIENT PROJECT MANAGER
Solutia Inc	Kimberly Perry

CLIENT ADDRESS (CITY, STATE, ZIP): St Louis, MO

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)	VOC's 8260 (600)	Metals (6010)	Metals (7000)	Metals (7470)	Pesticides (8080)	SVOC (8270C) PCB (608)	VOC's (8260)
5-24-00	0858		B2-E04-0.5-1-SUB		X			3		1		1		1
5-24-00	0858		B2-E04-0.5-1-SUB-FD		X			3		1		1		1
5-24-00	0940		B2-E04-3-6 FT-SUB		X			3		1		1		1
5-24-00	—		Trip Blank					3						
5-24-00	—		Trip Blank	X										

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY (SIGNATURE)	DATE	TIME	RELINQUISHED BY (SIGNATURE)	DATE	TIME
[illegible]			[illegible]	[illegible]	[illegible]			

RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
[illegible]	[illegible]		[illegible] 5-10-[illegible]-308	[illegible]	[illegible]			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			☐ YES ☐ NO			

251A-15

FedEx USA Airbill FedEx Tracking Number 8170 9422 8308

1 From Please print and press hard

Date 01-26-00 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 23548.030.009

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?

- [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	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

SBP 1192 • Rev. Date 11/98 • Part #1548135 • © 1994-98 FedEx • PRINTED IN U.S.A.

RETAIN THIS COPY FOR YOUR RECORDS

251A-16

Serial Number 021292

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Savannah Laboratories
a division of Severn Trent Laboratories, Inc

5102 LaRoche Avenue, Savannah, GA 31404 — Phone: (912) 354-7858 — Fax: (912) 352-0165
2846 Industrial Plaza Drive, Tallahassee, FL 32301 — Phone: (850) 878-3994 — Fax: (850) 878-9504
900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
6712 Benjamin Rd., Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049

PROJECT REFERENCE: Sauget Area 1
PROJECT NO: 23598
PROJECT LOCATION (STATE): IL
STL (LAB) PROJECT MANAGER: B. Beauchamp
P.O. NUMBER: Direct Bill to Solutia
CONTRACT NO.:
CLIENT (SITE) PM: Sofia K. Perry
CLIENT PHONE:
CLIENT FAX:
CLIENT NAME: Solutia Inc
CLIENT EMAIL:
CLIENT ADDRESS: St Louis, MO
COMPANY CONTRACTING THIS WORK (if applicable):

PAGE 1 OF 1

STANDARD REPORT DELIVERY: X
DATE DUE:
EXPEDITED REPORT DELIVERY (SURCHARGE): O
DATE DUE:
NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

REQUIRED ANALYSES

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)	VOCs (8260B) HCL cool	Metals (6010B) HNO3 cool	Mercury (7470A) HNO3 cool	Cyanide (9010B) NaOH cool	SVOC (8270C) cool	PCB (680) cool	Pesticides (8081A) cool	Herbicides (8151A) cool	VOCs (8260)		REMARKS
01-27-00	0835	BS-EEG-108-0.5FT-EB		X				3	1	1	1	2	2	2	2			
01-27-00	1215	UGGW-EE04-100FT-SUB		X												3		
01-27-00	1215	UGGW-EE04-100FT-SUB-FD		X												3		
01-27-00	1500	Trip Blank		X												3		
01-27-00	—	Temp Blank		X														

NUMBER OF CONTAINERS SUBMITTED

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
F Bradford	12/7/99	5:25	William E. Wright	01-27-00	1900			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
William E. Wright	12/9/99	900	Fed Ex 8787-0379-2050	01-27-00	1900			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	STL-SL LOG NO.	LABORATORY REMARKS:
			YES NO			

251A-17

CLIENTS FIELD COP

FedEx USA Airbill FedEx Tracking Number 8187 0379 2080

FROM Please print and press hard.

Date 1-27-00 Sender's FedEx Account Number 1187-9587-3

Sender's Name BILL WRIGHT Phone (314) 842-4550

Company O'BRIEN & GERE

Address 12250 WEBER HILL RD Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63127

Your Internal Billing Reference 23548.030.009

To Recipient's Name BETSY BEAUBEAUCHAMP Phone (912) 354-7858

Company SAVANNAH LABRATORIES

Address 5102 LAROCHE AVE

To "HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

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.

0126730793

Sender's Copy

4a Express Package Service Packages up to 150 lbs.

- [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 First Overnight, FedEx 2Day and FedEx Express Saver are available between locations in the contiguous 48 states only.

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 cannot exceed $500

- [ ] FedEx Envelope/Letter*
- [ ] FedEx Pak*
- [X] Other Pkg. Includes FedEx Box, FedEx Tube, and customer supplied.

6 Special Handling — Includes FedEx address in Section 3. —

- [ ] 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 —

- [ ] 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

SRW 0102-4 Rev. Date 8/98 Part #154913-©1994-98 FedEx PRINTED IN U.S.A.

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 to Solutia

(SOL05 /FMS)

Data to be reported to the state of MO.

Analysis Wanted (2): Dioxin (8290) | ~~Dioxin (8280)~~ | Dioxin (8280)

Total Number of Containers: 10

Turn Around Time (In Calendar Days):

Sample ID (3)	Date / Time	Preservation (4)	Matrix	Sample Amt.	Dioxin (8290)	~~Dioxin (8280)~~	Dioxin (8280)			Remarks
UGGW-EE04-100FT-SUB	01-27-00 1215	$Na_2S_2O_3$, cool	water	2, 1 liter	X					
BS-EEG108-0.5FT-EB	01-27-00 0835	$Na_2S_2O_3$, cool	water	2, 1 liter	[illegible]		X			
UGGW-EE04-100FT-SUB-FD	01-27-00 1215	$Na_2S_2O_3$, cool	water	2, 1 liter	X					
BS-EEG108-0.5FT	01-27-00 1535	cool	soil	500 ml			X			
BS-EEG108-3-6FT	01-27-00 1615	cool	soil	500 ml			X			
BS-EEG108-3-6FT-MS/MSD	01-27-00 1615	cool	soil	500 ml			X			
Temp Blank	01-27-00 1800	cool	water							

Relinquished By/Sign.	Date/Time	Received By/Sign.	Relinquished By/Sign.	Date/Time	Received By/Sign.
[signature]	01-27-00 1900	Fed Ex 8170-9423 1598			

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 8170 9423 1598

From Please print and press hard.

Date 1-27-00 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

Your Internal Billing Reference 23548.030.009

To

Recipient's Name FRANK STEVENS Phone (919) 544-5729

Company TRIANGLE LABORTIES

Address 801 CAPITOLA DR

Dept./Floor/Suite/Room

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

0215

4a Express Package Service — Packages up to 150 lbs.

- [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.

- [ ] 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	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

SRP 1186 • Rev. Date 11/95 • Part #154135 • © 1994-98 FedEx • PRINTED IN U.S.A.

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	PROJECT NO.	P.O. NUMBER
Sauget Area 1	23548	Invert Bill to Solutia

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE
IL	William E. Wright	FAX

CLIENT NAME	CLIENT PROJECT MANAGER
Solutia Inc	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 — 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 (5035/5260B)	VOCs (5260B)	SVOCs (8270C)	PCBs (8082)	Metals (6010B)	Mercury (7471A)	Cyanide (9014)	Pesticides (8081A)	Herbicides (8151A)	VOCs (Bulk)	REMARKS
								cool	cool	cool	cool	cool	cool					
01-27-00	1535		BS-EEG-108-0.5FT		X			3		1	1	1	1					
01-27-00	1615		BS-EEG-108-3-6FT		X			3		1	1	1	1					
01-27-00	1615		BS-EEG-108-3-6FT-MS/MSD		X			3		1	1	1	1					
01-27-00	1800		Trip Blank	X					3									
01-27-00	—		Temp Blank															

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
J. Bevis for WILLIAMS	1/27/99	9:20	William E. Wright	01-27-00	1900			

RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
William E. Wright for WILLIAMS	1/27/99		FED EX 8187-0379-2068	01-27-00	1900			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
			☐ YES ☐ NO			

251A-21

KR

FedEx USA Airbill FedEx Express Tracking Number 8187 0379 2068

TO/FROM Please print and press hard

Date 01-27-00 Sender's FedEx Account Number 1187-9587-3

Sender's Name Bill Wright Phone (314) 842-4550

Company O'BRIEN & GERE

Address 12250 WEBER HILL RD

Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63127

Your Internal Billing Reference 23548.030.009

Recipient's Name BETSY BEAUBEAUCHAMP Phone (912) 354-7858

Company SAVANNAH LABRATORIES

Address 5102 LAROCHE AVE

HOLD at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

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.

0126730793

SBA22

Sender's Copy

4a Express Package Service — Packages up to 150 lbs.

- [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 Envelope/Letter Rate not available. Minimum charge: One-pound rate

4b Express Freight Service — Packages over 150 lbs.

Delivery commitment date cannot be met 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 Envelope/Letter*
- [ ] FedEx Pak*
- [X] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg.

6 Special Handling — Includes FedEx address in Section 3.

- [ ] 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	26	$ .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

SBA 0100 Rev. Date 8/95 Part # 150-1-5 1994-95 FedEx PRINTED IN U.S.A.

Serial Number 018939

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Savannah Laboratories
a division of Severn Trent Laboratories, Inc

- (X) 5102 LaRoche Avenue, Savannah, GA 31404 — Phone: (912) 354-7858 — Fax: (912) 352-0165
- ( ) 2846 Industrial Plaza Drive, Tallahassee, FL 32301 — Phone: (850) 878-3994 — Fax: (850) 878-9504
- ( ) 900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
- ( ) 6712 Benjamin Rd., Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049

PROJECT REFERENCE: SAUGET AREA 1	PROJECT NO: 23548	PROJECT LOCATION (STATE): IL	PAGE 1 OF 1
STL (LAB) PROJECT MANAGER: B. BEAUCHAMP	P.O. NUMBER: DIRECT BILL TO SOLUTIA	CONTRACT NO:	STANDARD REPORT DELIVERY (X) DATE DUE
CLIENT (SITE) PM: K. PERRY	CLIENT PHONE:	CLIENT FAX:	EXPEDITED REPORT DELIVERY (SURCHARGE) ( ) DATE DUE
CLIENT NAME: SOLUTIA, INC	CLIENT EMAIL:		
CLIENT ADDRESS: ST. LOUIS, MO			NUMBER OF COOLERS SUBMITTED PER SHIPMENT: 1
COMPANY CONTRACTING THIS WORK (if applicable):			

MATRIX TYPE: COMPOSITE (C) OR GRAB (G) INDICATE; AQUEOUS (WATER); SOLID OR SEMISOLID; AIR; NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)

REQUIRED ANALYSES — NUMBER OF CONTAINERS SUBMITTED

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)	VOC (SW8260B)	METALS (SW6010A) HNO3 COOL	MERCURY (SW7470A) HNO3 COOL	CYANIDE (SW9010A) NaOH COOL	SVOCs (SW8270C) COOL	PCBs (GEO) COOL	PESTICIDES (SW8081A) COOL	HERBICIDES (SW8151A) COOL	VOCs (5035/8260B)		REMARKS
3-9-00	1140	AA-I-[illegible]-MS	G	X				3										
3-9-00	1210	[illegible]	G	X				3										
3-9-00	1115	AA-I-[illegible]	G	X				3	1	1	1	2	2	2	2			
3-9-00	1045	BS-EEG-108-0.5 FT-REPLACE	G		X											3		
3-9-00	1045	BS-EEG-108-0.5 FT-REPLACE-MS/MSD	G		X											3		
3-9-00	1050	BS-EEG-108-3-6 FT-REPLACE	G		X											3		
3-9-00	—	[illegible]		X														
3-9-00	—	[illegible]		X				3										

251A-23

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			[illegible]	3-9-00	1900			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
			[illegible]	3-9-00	1900			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES NO	CUSTODY SEAL NO.	STL-SL LOG NO.	LABORATORY REMARKS:

CLIENTS FIELD COPY

FedEx *USA Airbill* FedEx Tracking Number 8187 0379 1808

SDA22

Form ID No. 0215

1 From Please print and press hard

Date 3-9-00 Sender's FedEx Account Number 1187-9587-3

Sender's Name DE Haverdink Phone (314) 842-4550

Company O'BRIEN & GERE

Address 12250 WEBER HILL RD Dept./Floor/Suite/Room

City SAINT LOUIS State MO ZIP 63127

2 Your Internal Billing Reference First 24 characters will appear on invoice 23548.030.008

3 To Recipient's Name BETSY BEAUBEAUCHAMP Phone (912) 354-7858

Company SAVANNAH LABRATORIES

Address 5102 LAROCHE AVE
To "HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept./Floor/Suite/Room

City SAVANNAH State GA ZIP 31404

NEW Peel and Stick Feature Available!
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.

0126730793

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

6 Special Handling — Includes those indicated in Section 3

- [ ] 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? Declaration not required

- [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	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

SAW DHD•Rev. Date 8/99•Part #154813•© 1994-99 FedEx•PRINTED IN U.S.A.

PULL AND RETAIN THIS COPY FOR YOUR RECORDS

251A-24