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REPORT ON

REMEDIAL INVESTIGATION ADDENDUM
AREA A REMOVAL ACTION

FOR THE

ANNISTON PCB SITE
(DOCKET NO. CV-02-PT-0749-E)

Prepared for:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASTE MANAGEMENT DIVISION
ATLANTA FEDERAL CENTER
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ATLANTA, GEORGIA 30303

Prepared by:

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May 20, 2010
Revision 0

043-3746.OU3

Solutia Inc.
702 Clydesdale Avenue
Anniston, Alabama 36201-5328
Tel 256-231-8400

May 20, 2010

SENT VIA FEDERAL EXPRESS

Ms. Pamela J. Langston Scully, P.E.
Remedial Project Manager
United States Environmental Protection Agency, Region IV
Atlanta Federal Center
61 Forsyth Street, S.W.
Atlanta, GA 30303-3104

Re: Remedial Investigation Addendum - Area A Removal Action
Remedial Investigation and Feasibility Study for Operable Unit 3
Anniston PCB Site (Docket No. CV-02-PT-0749-E)
Anniston, Alabama

Dear Ms. Langston Scully:

On behalf of Solutia Inc. (Solutia) and Pharmacia Corporation (collectively, P/S), as parties to the Partial Consent Decrees (PCD) (Docket No. CV-02-PT-0749-E), please find enclosed eight hard copies and 10 electronic copies of P/S's Remedial Investigation (RI) Addendum for the recently completed removal action conducted at Area A (as defined in the May 2009 Feasibility Study Report) on the Solutia plant site. This report was prepared in accordance with a meeting that was conducted between the United States Environmental Project Agency (EPA) and P/S on March 26, 2010 to discuss finalizing the RI Report and Feasibility Study for Operable Unit 3. Pursuant to this meeting, P/S proposed to conduct additional delineation activities and perform an immediate removal action to address principal threat waste material identified near RI sample location SSRI-11 (within Area A). The scope of work included conducting delineation sampling and a limited removal action within Area A on the plant site. This RI Addendum Report presents the methods, procedures, and findings of the sampling and removal action activities.

Please do not hesitate to contact me at 256-231-8404 with any questions or comments that you may have regarding this matter.

Sincerely,

E. Gayle Macolly
Manager, Remedial Projects

cc: Mr. Jeffery Kitchens (ADEM)
Mr. G. Douglas Jones, Esq.
Mr. Thomas Dahl

Enclosures

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1.0 INTRODUCTION

On behalf of Solutia Inc. (Solutia) and Pharmacia Corporation (collectively, P/S), Golder Associates Inc. (Golder) has prepared this Remedial Investigation Addendum Report (RI Addendum Report) for Operable Unit 3 (OU-3) of the Anniston PCB Site (Site). The RI Report and associated addenda have been prepared in accordance with the requirements of the Partial Consent Decree (CD) (Docket No. CV-02-PT-0749-E) between the United States Environmental Protection Agency (EPA) and P/S (EPA, 2002). The United States District Court for the Northern District of Alabama entered the CD on August 4, 2003. The RI Report and associated addenda for OU-3 summarize the results of field investigations to characterize the Solutia plant site, the closed South Landfill, and the closed West End Landfill (collectively, Facility); describe the nature and extent of contamination; review the fate and transport of contaminants; and present a summary of the Human Health Risk Assessment (HHRA).

The OU-3 RI Report, Revision 1.0 (Golder, 2009), was submitted to the EPA on March 24, 2009. The EPA provided multiple sets of comments on the RI Report, and multiple conference calls and meetings were held between the EPA and P/S to discuss and resolve outstanding issues related to the EPA's comments. These issues were resolved during a meeting held between the EPA, P/S and the Technical Special Master on March 26, 2010. As a result of this meeting, the EPA issued its final set of comments on the RI Report, which was received by P/S on April 21, 2010. P/S will respond to these comments and submit the revised RI Report (Revision 2.0) by May 21, 2010.

As part of the resolution process, P/S agreed to collect additional delineation samples and perform a limited removal action near sample location SSRI-11 (located within Area A as defined in the May 2009 Feasibility Study [FS] Report) to address principal threat waste material identified in this area. A Work Plan for these activities dated April 6, 2010 (Golder, 2010a) was submitted to the EPA, and the EPA issued its approval of the work plan on April 7, 2010. The Work Plan and the EPA approval letter are included as Appendix A. This RI Addendum Report summarizes the work completed as part of the removal action near sample location SSRI-11 (Area A), including the delineation sampling and removal activities. P/S completed the delineation sampling and removal action activities between April 7, 2010 and April 29, 2010, in accordance with the approved Work Plan. This RI Addendum Report presents the methods, procedures, and findings of the sampling and removal action activities.

2.0 BACKGROUND

Sample location SSRI-11 is located on the Solutia plant site west of Clydesdale Ave and north of the employee parking area, as shown on Figure 1. Samples were originally collected at SSRI-11 in conjunction with the RI program. A primary surface sample and field duplicate sample were collected from the 0 to 6-inch depth interval, while a depth sample was collected from this location at 3 to 4 feet below ground surface (bgs). Polychlorinated biphenyls (PCBs) were detected in the primary surface sample at an estimated (i.e., "J" laboratory qualifier) concentration of 930 milligrams per kilogram (mg/kg), greater than the principal threat waste threshold of 500 mg/kg. The PCB concentration for the field duplicate surface soil sample was 154 mg/kg. The depth sample showed a PCB concentration of 1.89 "J" mg/kg, thereby providing vertical delineation of the principal threat waste material at 3 feet bgs. In the March 26, 2010 meeting, the EPA indicated that the excavation of principal threat waste would likely be required in this area (Area A, adjacent to sample location SSRI-11) and should be included as an alternative or a component of other alternatives in the FS. To address this issue, P/S requested authorization to proceed with the removal as part of the removal action agreement under the CD, and the EPA concurred.

3.0 SCOPE OF WORK

Historical sample location SSRI-11 (RI sampling point) was marked in the field by Taylor Land Surveying, Inc., a registered land surveyor, based on known survey coordinates (i.e., global positioning system [GPS] data). Four soil samples (SSRI-11-N-10, SSRI-11-S-10, SSRI-11-E-10, and SSRI-11-W-10) were initially collected around the existing SSRI-11 sample point in the four cardinal directions (i.e., north [N], south [S], east [E], and west [W]) to delineate the lateral extent of the principal threat waste material. The samples were collected from 0 to 6 inches bgs (surface samples) at the center face points of an initial 20-foot by 20-foot grid surrounding the SSRI-11 sample location (i.e., stepping out ten feet in each cardinal direction from the original sample location). The sample locations are shown on Figure 1.

The samples were field screened for PCBs using immunoassay screening techniques (EPA method 4020) at a concentration range from 50 mg/kg to 500 mg/kg. Based on the field screening results (i.e., greater than or less than 500 mg/kg), additional surface samples were collected around the SSRI-11 sample location to determine the lateral extent of the principal threat waste. Typically, samples were collected in five-foot increments from the original delineation sample locations. This process was continued until the four boundaries (N, S, E and W) were determined based on field screening results that indicated PCB concentrations less than 500 mg/kg. These field screening results, as shown on Table 1, were used to determine the extent of the excavation. Additionally, the four quadrant samples used to determine the final limits of principal threat waste in each cardinal direction were submitted for laboratory analysis of total PCBs by EPA Method 8082 (Aroclors) and by EPA Method 680 (homolog groups). During the delineation sampling, the EPA requested at least one additional vertical sample be collected from the 3 to 4-foot depth interval to confirm the original SSRI-11 depth sample result. As shown on Figure 1, this sample was collected at SSRI-11-W-10-3. Field screening indicated that this sample contained PCBs at less than 50 mg/kg.

Once the extent of the principal threat waste material was believed to have been determined using field screening results (SSRI-11-N-10, SSRI-11-S-10, SSRI-11-E-5, and SSRI-11-W-15), Allan Hall Excavating used a backhoe to excavate an approximate 20-foot by 20-foot area to approximately three feet bgs. The depth of the excavation was based on the results from the SSRI-11 and SSRI-11-W-10-3 depth samples. While completing the excavation activities, the area was observed and controlled to prevent unauthorized access. All excavated material was placed in secured and lined rolloffs for transport to and disposal at the Chemical Waste Management's Toxic

Substance Control Act (TSCA)-approved landfill facility located in Emelle, Alabama. Due to the limited excavation that was performed and the methods used, dust monitoring during the excavation activities was determined to be unnecessary. Best management practices (BMPs) were employed to prevent direct contact with impacted soil and prevent soil erosion. To prevent contact with the ground surface, excavated soil was directly loaded into the lined rolloffs. Once completed, the excavation was backfilled with clean fill material and graded similar to the surrounding area. Sod was placed on the regarded area to prevent erosion of the soil fill material. The soil backfill material was acquired from Austin Enterprises in Dearmanville, Alabama; a source previously used by P/S for the Residential Removal Program. Field screening of the backfill material for PCBs was conducted prior to using the material at the Site. The field screening results, using EPA Method 4020 (included in Appendix B), indicate that the material contains less than 1 mg/kg of PCBs.

After completing the excavation activities described above and upon receipt of the laboratory analytical data, P/S noted that the sample collected at the southern boundary of the excavation (SSRI-11-S-10) contained PCBs greater than 500 mg/kg. It was determined that the screening results for SRI-11-W-10 (> 500 mg/kg) and SSRI-11-S-10 (< 500 mg/kg) were inadvertently switched during the screening process. As a result, further delineation was performed both laterally (SSRI-11-S-15) and vertically (SSRI-11-S-15-3) to determine the extent of principal threat waste. Based on field screening and laboratory testing results, these samples contain PCBs at less than 500 mg/kg. Therefore, additional excavation was performed using the methods described above to remove the additional 20-foot by 5-foot area of principal threat waste identified just south of the initial excavation area. These new excavation limits extended from SSRI-11-S-10 to SSRI-11-S-15 (refer to Figure 1 for final excavation limits). Again, the area was backfilled with clean soil fill (same source as above) and sod was placed to prevent erosion of these soils.

As shown on Figure 1, the final excavation limits were determined to be ten feet north, 15 feet south, five feet east, and 15 feet west of sample SSRI-11, producing an approximate 25 feet (north-south) by 20 feet (east-west) by 3 feet deep excavation. The corresponding calculated excavation volume was 55 cubic yards (in place). PCB-impacted soil was excavated and transported under hazardous waste manifest in five secure, lined rolloff containers to the Chemical Waste Management TSCA-approved landfill facility located in Emelle, Alabama. The waste manifests are included in Appendix C. Photographs of the source removal are included in Appendix D.

4.0 SUMMARY OF RESULTS

PCB screening results for the initial soil samples SSRI-11-N-10 and SSRI-11-S-10 were less than 50 mg/kg, and the result for SSRI-11-E-10 was less than 500 mg/kg. However, the screening result for SSRI-11-W-10 was greater than 500 mg/kg. Based on these screening results, corresponding step-in or step-out samples were obtained for additional screening in an attempt to refine the excavation limits. The screening results for samples SSRI-11-E-5 (5 foot step-in) and SSRI-11-W-15 (5 foot step-out) were both less than 500 mg/kg, thus providing the east and west boundaries of the excavation, respectively. Samples SSRI-11-NW-5 and SSRI-11-SW-5 (located within the limits of the excavation) both screened greater than 500 mg/kg, confirming the presence of principal threat waste at the SSRI-11 location. A vertical delineation depth sample collected at the SSRI-11-W-10 location (SSRI-11-W-10-3) screened for PCBs at less than 50 mg/kg. Based on the screening results, five samples that represented the proposed limits (both lateral and vertical) of excavation were submitted to the laboratory for PCB analyses including: SSRI-11-N-10, SSRI-11-S-10, SSRI-11-E-5, SSRI-11-W-15, and SSRI-11-W-10-3.

The results of the laboratory analyses are included on Table 1 and shown on Figure 1. Laboratory analyses indicated the following:

- SSRI-11-N-10 - total PCBs by Aroclor (10.6 mg/kg) and by homolog group (3.5 J mg/kg)
- SSRI-11-S-10 - total PCBs by Aroclor (1,130 mg/kg) and by homolog group (300.7 mg/kg)
- SSRI-11-E-5 - total PCBs by Aroclor (113 mg/kg) and by homolog group (16.6 J mg/kg)
- SSRI-11-W-15 - total PCBs by Aroclor (8 mg/kg) and by homolog group (4.6 J mg/kg)
- SSRI-11-W-10-3 - total PCBs by Aroclor (non detect) and by homolog group (non detect)

These results generally correlated with the respective screening results and confirmed the limits of excavation with the exception of the SSRI-11-S-10 sample. The laboratory results for this sample were greater than 500 mg/kg as indicated above. It was subsequently determined that the screening results for SRI-11-W-10 (> 500 mg/kg) and SSRI-11-S-10 (< 500 mg/kg) were inadvertently

switched during the screening process. Due to the laboratory result observed for SSRI-11-S-10, additional sampling was conducted to the south of SSRI-11-S-10. Two samples were collected including a horizontal delineation sample SSRI-11-S-15 (5 foot step-out) and an additional depth sample SSRI-11-S-15-3 collected from 3 to 4 feet bgs. Field screening results for both samples indicated PCB concentrations less than 50 mg/kg.

The results of the laboratory analyses indicated the following:

- SSRI-11-S-15 – total PCBs by Aroclor (37 mg/kg) and by homolog (8.4 J mg/kg)
- SSRI-11-S-15-3 - total PCBs by Aroclor (0.03 J mg/kg) and by homolog (0.001 J mg/kg)

These results, in conjunction with those described above, were used to define the limits of the removal action excavation. Laboratory data are summarized on Table 1, and the laboratory reports are provided in Appendix B. All associated sample locations are shown on Figure 1.

5.0 DATA VALIDATION

In accordance with the Site-Wide Quality Assurance Project Plan (Arcadis, 2008), Level II data packages were requested from the laboratory for all analyses, and Level II data validation was performed for the samples associated with the Area A delineation sampling. As described in previous sections, delineation sampling was conducted by collecting step-in and step-out soil samples to delineate the extent of principal threat waste (greater than 500 mg/kg) in the vicinity of RI sample SSR-11. A portion of the samples (i.e., bounding samples) collected and field screened were submitted to the laboratory for additional testing as shown below.

Sample ID	Description	PCB Analyses
SS1-11-N-10	Soil sample	Aroclors and homolog groups
SS1-11-S-10	Soil sample	Aroclors and homolog groups
SS1-11-E-5	Soil sample	Aroclors and homolog groups
SS1-11-W-15	Soil sample	Aroclors and homolog groups
SS1-11-W-10-3	Soil sample	Aroclors and homolog groups
SS1-11-S-15	Soil sample	Aroclors and homolog groups
SS1-11-S-15-3	Soil sample	Aroclors and homolog groups

All holding times were met for sample preparation and analysis. Surrogate recoveries for tetrachloro-m-xylene (TCX) were achieved for undiluted samples and quality control samples, and the surrogate recovery for decachlorobiphenyl (DCB) could not be determined due to the presence of Aroclor-1268 in the samples. Method blanks did not indicate the presence of PCBs as Aroclors or as homolog groups. As this event was conducted in conjunction with additional soil sampling at the West End Landfill, quality control samples collected for the West End Landfill were used to assess the sampling and testing procedures for this sampling event. One field blank and one rinsate blank were collected and analyzed for PCBs by Aroclor and homolog methods. The results for the field and rinsate blanks were non detect for both Aroclors and homolog groups. Analytical results for several Aroclors and homologs were reported at concentrations less than the laboratory reporting limits. These positive results, reported below the laboratory reporting limits, were qualified as estimated "J" values.

6.0 CONCLUSIONS

The delineation sampling and removal action excavation activities were conducted in accordance with the Work Plan for Removal Action at Area A (Golder, 2010a), dated April 6, 2010 and approved by the EPA on April 7, 2010. Results of horizontal delineation samples and vertical delineation samples were used to establish the excavation limits around surface sample location SSRI-11, where principal threat waste (> 500 mg/kg) had been identified during the RI. Approximately 55 cubic yards of soil were excavated and transported to the Chemical Waste Management TSCA-approved landfill facility located in Emelle, Alabama.

This RI Addendum Report summarizes methods, procedures, and findings of the limited removal action conducted to address the principal threat waste material at this location. These findings will be further discussed as part of the FS for OU-3.

7.0 REFERENCES

Arcadis, 2008. *Site-Wide Quality Assurance Project Plan for the Anniston PCB Site (Revision 5.0)*, September 2008.

Golder, 2009. *Remedial Investigation for Operable Unit 3 for the Anniston PCB Site, Revision 1.0,* March 2009.

Golder, 2010a. *Work Plan for Removal Action at Area A, Remedial Investigation and Feasibility Study for Operable Unit 3, Anniston PCB Site,* April 2010.

USEPA, 2002a. *United States of America v. Pharmacia Corporation (p/k/a Monsanto Company) and Solutia Inc.* Civil Action No. CV-02-PT-0749-E. October 2002.

TABLE 1
AREA A LABORATORY RESULTS
ANNISTON PCB SITE - OPERABLE UNIT 3

	units	SSRI-11-N-10	SSRI-11-E-10	SSRI-11-E-5	SSRI-11-W-10	SSRI-11-W-10-3	SSRI-11-W-15	SSRI-11-S-10	SSRI-11-S-15	SSRI-11-S-15-3	SSRI-11-NW-5	SSRI-11-SW-5
		Horizontal		**Horizontal**		**Vertical**	**Horizontal**		**Horizontal**	**Vertical**		
		soil	soil	soil	soil	soil	soil	soil	soil	soil	soil	soil
Screening												
	mg/kg	<50	>50	>50	>50 [3]	<50	>50	<50 [3]	<50	<50	>50	>50
	mg/kg	<500	<500	<500	>500 [3]	<500	<500	<500 [3]	<500	<500	>500	>500
PCB Aroclor Results												
Aroclor 1016	mg/kg	ND	--	ND	--	ND	ND	ND	ND	ND	--	--
Aroclor 1221	mg/kg	ND	--	ND	--	ND	ND	ND	ND	ND	--	--
Aroclor 1232	mg/kg	ND	--	ND	--	ND	ND	ND	ND	ND	--	--
Aroclor 1242	mg/kg	ND	--	ND	--	ND	ND	ND	ND	ND	--	--
Aroclor 1248	mg/kg	ND	--	ND	--	ND	ND	ND	ND	ND	--	--
Aroclor 1254	mg/kg	1.2	--	37	--	ND	2.1	510	11	0.0096 J	--	--
Aroclor 1260	mg/kg	2.5	--	43	--	ND	2.7	410	14	0.011 J	--	--
Aroclor 1268	mg/kg	6.9	--	33	--	ND	3.2	210	12	0.005 J	--	--
TOTAL	mg/kg	**10.6**	**--**	**113**	**--**	**ND**	**8**	**1130**	**37**	**0.0256 J**	**--**	--
PCB Homolog Results												
Monochlorobiphenyl	mg/kg	ND	--	ND	--	ND	ND	ND	ND	ND	--	--
Dichlorobiphenyl	mg/kg	ND	--	ND	--	ND	ND	ND	ND	ND	--	--
Trichlorobiphenyl	mg/kg	ND	--	0.018 J	--	ND	0.0058 J	0.53	0.006 J	ND	--	--
Tetrachlorobiphenyl	mg/kg	0.017 J	--	0.48	--	ND	0.14	17	0.2	ND	--	--
Pentachlorobiphenyl	mg/kg	0.12	--	3.5	--	ND	0.73	83	1.4	ND	--	--
Hexachlorobiphenyl	mg/kg	0.24	--	5.9	--	ND	1	110	2.2	0.0011 J	--	--
Heptachlorobiphenyl	mg/kg	0.13	--	3.6	--	ND	0.64	57	1.4	ND	--	--
Octachlorobiphenyl	mg/kg	0.39	--	1.9	--	ND	0.49	20	0.92	ND	--	--
Nonachlorobiphenyl	mg/kg	0.71	--	1.1	--	ND	0.064 J	5.5	0.73	ND	--	--
DCB Decachlorobiphenyl	mg/kg	1.9	--	0.052 J	--	ND	1.5	7.7	1.5	ND	--	--
TOTAL	mg/kg	**3.507 J**	**--**	**16.55 J**	**--**	**ND**	**4.5698 J**	**300.73**	**8.356 J**	**0.0011 J**	**--**	--

Notes:

[1] Samples collected, screened and analyzed pursuant to the April 6, 2010 Work Plan for Removal Action Area A approved by EPA April 7, 2010.

[2] Analytical results provided by TestAmerica Laboratories, Savannah, GA

[3] Screening results for SSRI-11-W-10 were inadvertently switched with screening results for SSRI-11-S-10.

[4] Only final confirmation boundary samples were sent to the laboratory for analytical analyses; intermediate samples were field screened only.

ND = Non Detect

mg/kg = milligrams per kilogram

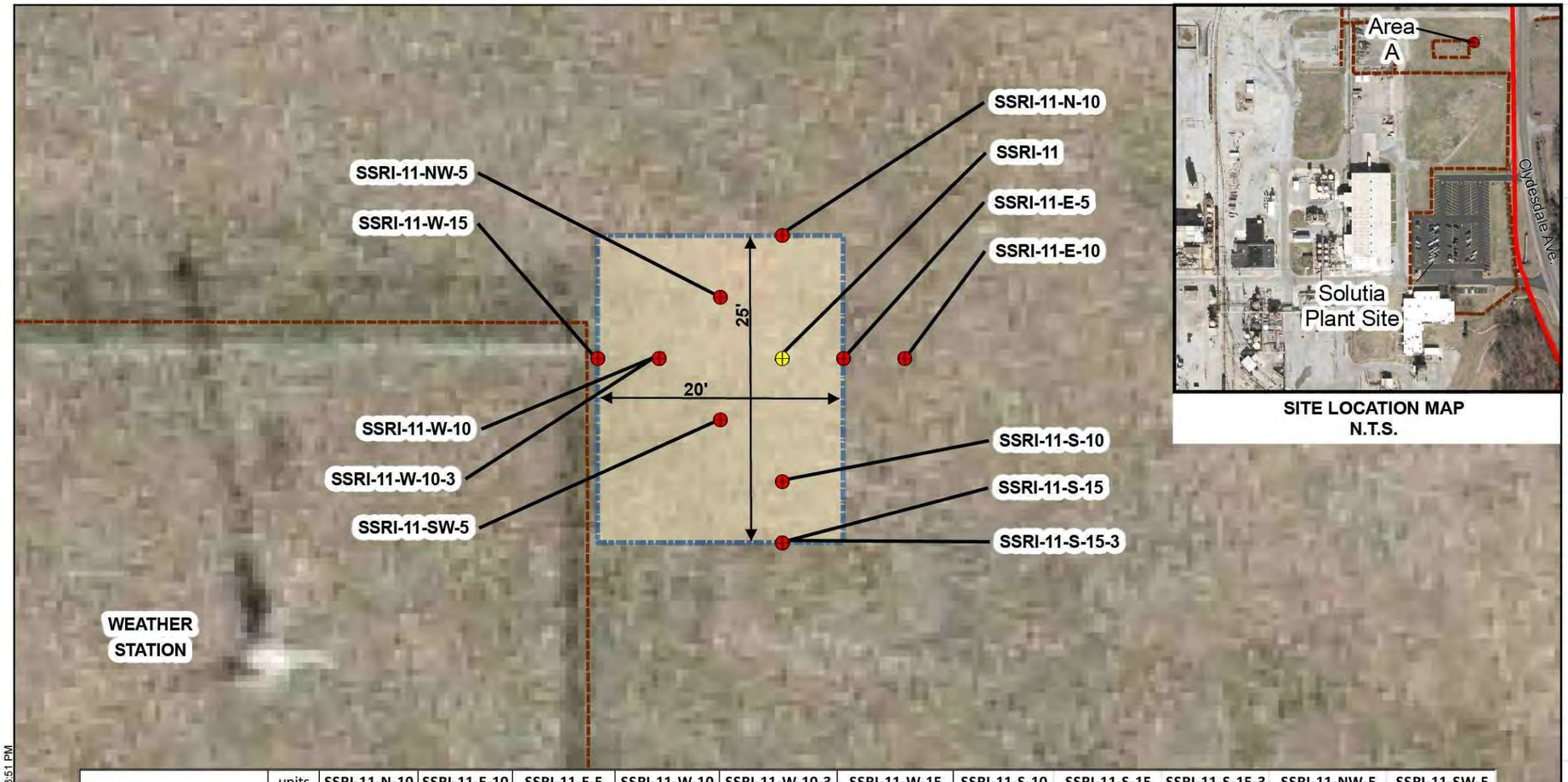
J = Estimated Value

N = North W = West

S = South NW = Northeast

E = East SW = Southwest

AREA A
REMOVAL ACTION AND
DELINEATION SAMPLING



SITE LOCATION MAP
N.T.S.

LEGEND

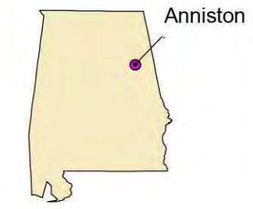
- OU-3 AREA
- SOIL REMOVAL AREA
- EXISTING FENCE
- OU-3 RI SOIL SAMPLE LOCATION
- AREA A REMOVAL ACTION CONFIRMATION SAMPLING LOCATION

	units	SSRI-11-N-10	SSRI-11-E-10	SSRI-11-E-5	SSRI-11-W-10	SSRI-11-W-10-3	SSRI-11-W-15	SSRI-11-S-10	SSRI-11-S-15	SSRI-11-S-15-3	SSRI-11-NW-5	SSRI-11-SW-5
		Horizontal		Horizontal		Vertical	Horizontal		Horizontal	Vertical		
		soil	soil	soil	soil	soil	soil	soil	soil	soil	soil	soil
Screening												
	mg/kg	<50	>50	>50	>50 [3]	<50	>50	<50 [3]	<50	<50	>50	>50
	mg/kg	<500	<500	<500	>500 [3]	<500	<500	<500 [3]	<500	<500	>500	>500
PCB Aroclor Results												
TOTAL	mg/kg	**10.6**	--	**113**	--	**ND**	**8**	**1130**	**37**	**0.0256 J**	--	--
PCB Homolog Results												
TOTAL	mg/kg	**3.507 J**	--	**16.55 J**	--	**ND**	**4.5698 J**	**300.73**	**8.356 J**	**0.0011 J**	--	--

Notes:
[1] Samples collected, screened and analyzed pursuant to the April 6, 2010 Work Plan for Removal Action Area A approved by EPA April 7, 2010.
[2] Analytical results provided by TestAmerica Laboratories, Savannah, GA
[3] Screening results for SSRI-11-W-10 were inadvertently switched with screening results for SSRI-11-S-10.
[4] Only final confirmation boundary samples were sent to the laboratory for analytical analyses; intermediate samples were field screened only.
ND = Non Detect
mg/kg = milligrams per kiligram
J = Estimated Value
N = North W = West
S = South NW = Northest
E = East SW = Southwest

SOURCE	USGS 1:2,400 Quad Maps Golder Associates (on-site base map)
ZONE	Alabama East 101
MAP PROJECTION	US State Plane
DATUM	NAD83

LOCATION MAP



SCALE
5 2.5 0 5 10 Feet

SOLUTIA

Golder Associates

PRODUCED BY:	CHECKED BY:	REVIEWED BY:
BDJ	TIR	SJM
DATE: 05/06/10	PROJECT NO: 0433746OU3	FIGURE NO. 1

Map Document: Q:\GIS\SOLUTIA\+GIS\PROJECTS\EPA_Dispute\AreaA_PitVerification.mxd 5/11/2010 4:13:51 PM

APPENDIX A

Work Plan for Removal Action at Area A and Approval letter from the EPA

Solutia Inc.
702 Clydesdale Avenue
Anniston, Alabama 36201-5328
Tel 256-231-8400

April 6, 2010

SENT VIA EMAIL AND FEDERAL EXPRESS

Ms. Pamela J. Langston Scully, P.E.
Remedial Project Manager
United States Environmental Protection Agency
Atlanta Federal Center
61 Forsyth Street, S.W.
Atlanta, GA 30303-3104

Re: Work Plan for Removal Action at Area A
Remedial Investigation and Feasibility Study for Operable Unit 3
Anniston PCB Site (Docket No. CV-02-PT-0749-E)
Anniston, Alabama

Dear Ms. Langston Scully:

Please find enclosed a work plan for conducting delineation and removal activities at the Anniston PCB Site (Site) for Operable Unit 3 (OU-3). This work plan was prepared in accordance with a meeting that was conducted between the United States Environmental Protection Agency (EPA) and Pharmacia Corporation / Solutia Inc. (collectively, P/S) on March 26, 2010 to discuss finalizing the Remedial Investigation (RI) Report and Feasibility Study (FS) for OU-3. Pursuant to this meeting, P/S propose to conduct additional delineation activities and perform an immediate removal action to address known principal threat waste present at the Site. The scope of work includes conducting delineation sampling and a limited removal action within Area A on the plant site.

Please do not hesitate to contact me at 256-231-8404 with any questions or comments that you may have regarding this matter. Please let us know if this work plan is acceptable to the EPA.

Sincerely,

E. Gayle Macolly
Manager, Remedial Projects

cc: Mr. Jeffery W. Kitchens (ADEM)
Mr. G. Douglas Jones, Esq.
Mr. Thomas Dahl

Work Plan for Removal Action at Area A

Introduction

A meeting was conducted between the United States Environmental Protection Agency (EPA) and Pharmacia Corporation/Solutia Inc. (collectively, P/S) on March 26, 2010 to discuss finalizing the Remedial Investigation (RI) Report and Feasibility Study (FS) for Operable Unit 3 (OU-3) at the Anniston PCB Site (Site). Pursuant to this meeting, P/S propose to conduct a limited removal action in the vicinity of soil sample location SSRI-11 located within Area A, as identified in the May 2009 FS Report. The following provides a brief scope of work summarizing the background, methods and procedures, schedule and reporting for the work to be performed. The location of the proposed work is shown on Figure 1.

Background

The sample location for SSRI-11 is located on the plant site west of Clydesdale Ave and north of the employee parking area, as shown on Figure 1. Three samples were originally collected at SSRI-11 in conjunction with the RI program, a surface soil sample and duplicate and a depth sample. The surface soil samples were collected from the 0 to 6 inch depth interval, while the depth sample was collected from 3 to 4 feet below ground surface. Polychlorinated biphenyls (PCBs) were detected in the primary surface sample at an estimated (i.e., "J" laboratory qualifier) concentration of 930 milligrams per kilogram (mg/kg), which is greater than the principal threat waste threshold of 500 mg/kg. The duplicate surface soil sample PCB concentration was 154 mg/kg. The depth sample showed low-level PCB concentrations of 1.89J mg/kg, thereby providing vertical delineation of the principal threat waste at three feet below ground surface. EPA indicated that excavation of principal threat waste would likely be required in this area and should be included as an alternative or a component of other alternatives. P/S requested permission to go forward with the removal as part of the removal action agreement under the Partial Consent Decree, and the EPA concurred.

Based on discussions during the March 26, 2010 meeting with the EPA, P/S propose to conduct delineation sampling and soil removal with off-site disposal at this sample location as an immediate removal action to address the principal threat waste material. The following describes the scope of the anticipated removal action.

Scope of Work

Soil removal activities at Area A will be implemented specifically to address the elevated PCB concentration observed in the surface soil at sample location SSRI-11. The historical sample location will be marked in the field, and an exclusion zone (EZ) will be created using high visible flagging. Prior to excavation, four soil samples will initially be collected around the existing SSRI-11 location to delineate the extents of the principal threat waste material. The samples will be collected at the center face points of a 10-feet by 10-feet grid surrounding the initial SSRI-11 sample location at a depth of 0 to 6 inches below ground surface (i.e., stepping out five feet in each cardinal direction from the original sample location). If any of these initial delineation samples have PCB concentrations in excess of 500 mg/kg, further sampling will be performed by extending the grid in five-foot increments in the direction of impact to delineate the principal threat waste material. All delineation samples will initially be field screened utilizing immunoassay screening techniques (EPA Method 4020) at a concentration range from 50 mg/kg to 500 mg/kg. Additionally, the four quadrant samples used to determine the final extents of principal threat waste in each direction will be submitted for laboratory analysis of total PCBs and analyzed for Aroclors by EPA Method 8082 and for homolog groups by EPA Method 680. The field screening results will be used to determine the extent of the excavation.

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9428 Baymeadows Road, Suite 400
Jacksonville, FL 32256 USA
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Once the extents of the principal threat waste material have been determined, mechanized equipment (i.e., backhoe) will be used to excavate to approximately three feet below ground surface. The depth of the excavation will terminate just above the location of the depth sample collected at SSRI-11. All excavated material will be placed in a secure lined rolloff for subsequent transport to and disposal at the Chemical Waste Management Toxic Substances Control Act (TSCA)-approved landfill facility located in Emelle, Alabama. Dust monitoring will be conducted during the excavation activities, and best management practices (BMPs) will be employed to control erosion. BMPs will include the use of plastic sheeting beneath impacted soil that is staged on the ground surface and the use of silt fence around excavations that remain open overnight. Once complete, the limits of the excavation with be surveyed with a global positioning system, and the excavation will then be backfilled with clean fill material, graded similar to the surrounding area, and grassed. Hazardous waste manifests will be maintained and provided to EPA along with the soil sampling results as described above.

General

While implementing the above removal activities, the following general provisions will be adhered to as applicable to each of the activities:

- The Site-wide Quality Assurance Project Plan, Revision 5.0, will be adhered to throughout the field effort (September 2008).
- The OU-3 Field Sampling Plan, Revision 2.0, will be adhered to throughout the field effort (October 2005).
- The Site-wide Health and Safety (H&S) Plan will be adhered to throughout the field effort. H&S meetings will be held daily for all members of the field team (June 2004).
- Proper personal protective equipment (PPE) (e.g., nitrile gloves) will be worn to limit the potential of direct contact with impacted media during the above described intrusive activities.
- Dust monitoring using a respirable dust monitor (e.g., Mini-ram) will be performed during intrusive activities that could potentially disturb impacted soil creating fugitive dust emissions.
- All equipment (i.e., mechanized or hand tools) will be decontaminated following contact with potential impacted media.

Schedule and Reporting

Removal action field work is scheduled to commence Wednesday, April 7th and continue through Thursday, April 8, 2010. Prior to initiating these activities, P/S's surveyor will be on Site Tuesday, April 6th to locate the sample point, SSRI-11. P/S will coordinate EPA oversight as required during the activities. As per the Site-Wide QAPP, Level II data packages will be requested from the laboratory for all analyses, and Level II data validation will be performed for the samples analyzed as described herein. Upon completion of the data validation, a Removal Action Report will be prepared presenting the findings of the sampling and documenting the removal activities. The report will include a description of the work performed, tabulated analytical results, a summary of the data validation, hazardous waste manifests, and recommendations for further action, if necessary. The Removal Action Report will be submitted to the Agency no later than 30 days following receipt of the validated laboratory reports and completion of the field activities. P/S intend to analyze the samples using a rush turn-around schedule such that P/S can conduct a conference call with the EPA as soon as practical following completion of the field work to reach agreement regarding completion of the above-described work activities prior to finalizing the FS Report in accordance with the schedule previously established by the EPA.

AREA A
REMOVAL ACTION AND DELINEATION SAMPLING

LEGEND

- OU-3 Area
- Railroad
- Roads
- Buildings
- Paved Areas
- Trees
- Grass
- Grass and Clay Cover
- Grass and HDPE Liner
- Grass and Soil Cover
- Trees and Soil Cover
- Gravel
- Gravel-Covered Asphalt
- OU-3 RI Soil Sample Location

930 J
1.89 J
PCB Results in mg/kg
Top result is surface or near surface
Bottom result is subsurface

NOTES

SOURCE USGS 1:2,400 Quad Maps; Golder Associates (on-site base map)

ZONE Alabama East 101

MAP PROJECTION US State Plane

DATUM NAD83

LOCATION MAP

SOLUTIA

Golder Associates

SCALE

70 35 0 70 140 210 Feet

PRODUCED BY:	CHECKED BY:	REVIEWED BY:
RJC	TIR	SJM
DATE:	PROJECT NO:	FIGURE NO.
04/01/10	0433746OU3	1

FILE: Q:\GIS\SOLUTIA\+GIS\PROJECTS\EPA_Dispute

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 4
ATLANTA FEDERAL CENTER
61 FORSYTH STREET
ATLANTA, GEORGIA 30303-8960

April 7, 2010

4SD-SRB

Ms. E. Gayle Macolly
Manager, Remedial Projects
Solutia, Inc.
702 Clydesdale Avenue
Anniston, Alabama 36201-5328

SUBJ: Work Plan for Removal Action at Area A
Remedial Investigation/Feasibility Study Reports
Operable Unit 3, Anniston PCB Site, Anniston, Alabama

EPA CERCLA ID # ALD000400123
EPA RCRA ID # ALD004019048

Dear Ms. Macolly:

The U.S. Environmental Protection Agency (EPA) approves of the Work Plan for a Removal Action at Area A dated April 6, 2010, to delineate and remove principal threat waste at Operable Unit 3 at the Anniston PCB Site, Anniston, Alabama. This removal work will be done as part of Solutia's response obligations under the Partial Consent Decree ("PCD"), entered by the United States District Court for the Northern District of Alabama on August 4, 2003, the Administrative Order on Consent for Removal Action ("Removal Order"), Exhibit C to the PCD, and the Non-Time Critical Removal Agreement ("NTC Removal Agreement"), Exhibit G to the PCD, for the Anniston PCB Site. Solutia may commence such work, subject to EPA oversight.

If you have any questions or concerns, please contact me at (404)562-8935.

Sincerely,

Pamela J. Langston Scully, P.E.
Remedial Project Manager
Superfund Remedial Branch

cc: Ms. Julie Peshkin, Monsanto
Mr. G. Douglas Jones, Esq.
Mr. Thomas Dahl
Mr. Bertrand Thomas, TA
Mr. David Baker, CAG
Mr. William Weinischke, USDOJ

APPENDIX B

Laboratory Results

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 680-56602-3

Job Description: Anniston Landfill Site (SSR1-11-S-10 RX)

For:
Golder Associates Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Attention: Mr. Tim Richards

Approved for release.
Lidya Gulizia
Project Manager I
4/30/2010 4:32 PM

Lidya Gulizia
Project Manager I
lidya.gulizia@testamericainc.com
04/30/2010

cc: Mr. Steve Moeller

Savannah Certifications and ID #s: A2LA: 0399.01; AL: 41450; ARDEQ: 88-0692; ARDOH; CA: 03217CA; CO; CT: PH0161; DE; FL: E87052; GA: 803; Guam; HI; IL: 200022; IN; IA: 353; KS: E-10322; KY EPPC: 90084; KY UST; LA DEQ: 30690; LA DHH: LA080008; ME: 2008022; MD: 250; MA: M-GA006; MI: 9925; MS; NFESC: 249; NV: GA00006; NJ: GA769; NM; NY: 10842; NC DWQ: 269; NC DHHS: 13701; PA: 68-00474; PR: GA00006; RI: LAO00244; SC: 98001001; TN: TN0296; TX: T104704185; USEPA: GA00006; VT: VT-87052; VA: 00302; WA; WV DEP: 094; WV DHHR: 9950 C; WI DNR: 999819810; WY/EPAR8: 8TMS-Q

Job Narrative
680-56602-3 / Final Report (Revised 4/30/10)

Receipt
All samples were received in good condition within temperature requirements on April 9, 2010.

Sample SSRI-11-S-10 was relogged for PCB analysis per client request. Two containers were submitted for PCB analysis for this sample and these were logged in the laboratory database as container A and B per standard log-in procedure. At the client's instruction, each container received for this sample was subsampled twice for PCB analysis and reported under a discrete laboratory identification number.

GC Semi VOA
Method(s) 8081A_8082: Due to the level of dilution required for the following sample(s), surrogate recoveries are not reported: SSR1-11-S-10 (A-1) (680-56602-10), SSR1-11-S-10 (A-2) (680-56602-11), SSR1-11-S-10 (B-1) (680-56602-12), SSR1-11-S-10 (B-2) (680-56602-13).

No other analytical or quality issues were noted.

General Chemistry
No analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

Comments
A preliminary report was issued on April 16, 2010 with final results for samples 680-56602-10 and 680-56602-11 and preliminary, uncorrected results for moisture for samples 680-566602-12 and 680-56602-13.

The report issued on 4/19/10 presented the final results for all samples corrected for moisture.

The report was revised on 4/30/10 to remove the p qualifier flags from the Arochlor 1248 results for samples SSR1-11-S-10 (B-1) (680-56602-12) and SSR1-11-S-10 (B-2) (680-56602-13).

No other additional comments.

METHOD SUMMARY

Client: Golder Associates Inc. Job Number: 680-56602-3

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Organochlorine Pesticides & PCBs (GC)	TAL SAV	SW846 8081A_8082	
Ultrasonic Extraction	TAL SAV		SW846 3550B
Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography	TAL SAV	SW846 8081B/8082A	
Ultrasonic Extraction	TAL SAV		SW846 3550C

Lab References:

TAL SAV = TestAmerica Savannah

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Golder Associates Inc. Job Number: 680-56602-3

Method	Analyst	Analyst ID
SW846 8081A_8082	Kellar, Joshua	JK
SW846 8081B/8082A	Kellar, Joshua	JK

SAMPLE SUMMARY

Client: Golder Associates Inc. Job Number: 680-56602-3

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-56602-10	SSR1-11-S-10 (A-1)	Solid	04/07/2010 1400	04/09/2010 0927
680-56602-11	SSR1-11-S-10 (A-2)	Solid	04/07/2010 1400	04/09/2010 0927
680-56602-12	SSR1-11-S-10 (B-1)	Solid	04/07/2010 1400	04/09/2010 0927
680-56602-13	SSR1-11-S-10 (B-2)	Solid	04/07/2010 1400	04/09/2010 0927

SAMPLE RESULTS

Client: Golder Associates Inc. Job Number: 680-56602-3

Client Sample ID: **SSR1-11-S-10 (A-1)**

Lab Sample ID: 680-56602-10 Date Sampled: 04/07/2010 1400
Client Matrix: Solid % Moisture: 17.0 Date Received: 04/09/2010 0927

8081A_8082 Organochlorine Pesticides & PCBs (GC)

Method:	8081A_8082	Analysis Batch: 680-165922		Instrument ID:	SGZ
Preparation:	3550B	Prep Batch: 680-165869		Initial Weight/Volume:	15.02 g
Dilution:	625			Final Weight/Volume:	5 mL
Date Analyzed:	04/16/2010 1315			Injection Volume:	2 uL
Date Prepared:	04/16/2010 1004			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		<25000		2200	25000
PCB-1221		<50000		3600	50000
PCB-1232		<25000		2500	25000
PCB-1242		<25000		2100	25000
PCB-1248		<25000		5400	25000
PCB-1254		190000	p	1700	25000
PCB-1260		200000		5000	25000
PCB-1268		94000		1300	25000

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	*0*	*D*	*26 - 140*
DCB Decachlorobiphenyl	0	D	50 - 129

Client: Golder Associates Inc. Job Number: 680-56602-3

Client Sample ID: **SSR1-11-S-10 (A-1)**

Lab Sample ID: 680-56602-10 Date Sampled: 04/07/2010 1400
Client Matrix: Solid % Moisture: 17.0 Date Received: 04/09/2010 0927

8081A_8082 Organochlorine Pesticides & PCBs (GC)

Method:	8081A_8082	Analysis Batch: 680-165922		Instrument ID:	SGZ
Preparation:	3550B	Prep Batch: 680-165869		Initial Weight/Volume:	15.02 g
Dilution:	625			Final Weight/Volume:	5 mL
Date Analyzed:	04/16/2010 1315			Injection Volume:	2 uL
Date Prepared:	04/16/2010 1004			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	0	D	26 - 140
DCB Decachlorobiphenyl	0	D	50 - 129

Client: Golder Associates Inc. Job Number: 680-56602-3

Client Sample ID: **SSR1-11-S-10 (A-2)**

Lab Sample ID: 680-56602-11 Date Sampled: 04/07/2010 1400
Client Matrix: Solid % Moisture: 17.0 Date Received: 04/09/2010 0927

8081A_8082 Organochlorine Pesticides & PCBs (GC)

Method:	8081A_8082	Analysis Batch: 680-165922		Instrument ID:	SGZ
Preparation:	3550B	Prep Batch: 680-165869		Initial Weight/Volume:	15.13 g
Dilution:	625			Final Weight/Volume:	5 mL
Date Analyzed:	04/16/2010 1332			Injection Volume:	2 uL
Date Prepared:	04/16/2010 1004			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		<25000		2200	25000
PCB-1221		<50000		3600	50000
PCB-1232		<25000		2500	25000
PCB-1242		<25000		2100	25000
PCB-1248		<25000		5400	25000
PCB-1254		200000	p	1700	25000
PCB-1260		190000		5000	25000
PCB-1268		92000		1300	25000

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	*0*	*D*	*26 - 140*
DCB Decachlorobiphenyl	0	D	50 - 129

Client: Golder Associates Inc. Job Number: 680-56602-3

Client Sample ID: **SSR1-11-S-10 (A-2)**

Lab Sample ID: 680-56602-11 Date Sampled: 04/07/2010 1400
Client Matrix: Solid % Moisture: 17.0 Date Received: 04/09/2010 0927

8081A_8082 Organochlorine Pesticides & PCBs (GC)

Method:	8081A_8082	Analysis Batch: 680-165922		Instrument ID:	SGZ
Preparation:	3550B	Prep Batch: 680-165869		Initial Weight/Volume:	15.13 g
Dilution:	625			Final Weight/Volume:	5 mL
Date Analyzed:	04/16/2010 1332			Injection Volume:	2 uL
Date Prepared:	04/16/2010 1004			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	0	D	26 - 140
DCB Decachlorobiphenyl	0	D	50 - 129

Client: Golder Associates Inc. Job Number: 680-56602-3

Client Sample ID: **SSR1-11-S-10 (B-1)**

Lab Sample ID: 680-56602-12 Date Sampled: 04/07/2010 1400
Client Matrix: Solid % Moisture: 14.1 Date Received: 04/09/2010 0927

8081A_8082 Organochlorine Pesticides & PCBs (GC)

Method:	8081A_8082	Analysis Batch: 680-165922		Instrument ID:	SGZ
Preparation:	3550B	Prep Batch: 680-165869		Initial Weight/Volume:	15.25 g
Dilution:	625			Final Weight/Volume:	5 mL
Date Analyzed:	04/16/2010 1350			Injection Volume:	2 uL
Date Prepared:	04/16/2010 1004			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		<24000		2100	24000
PCB-1221		<48000		3400	48000
PCB-1232		<24000		2400	24000
PCB-1242		<24000		2000	24000
PCB-1248		<24000		5200	24000
PCB-1254		170000		1600	24000
PCB-1260		170000		4800	24000
PCB-1268		87000		1200	24000

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	*0*	X	*26 - 140*
DCB Decachlorobiphenyl	0	X	50 - 129

Client: Golder Associates Inc. Job Number: 680-56602-3

Client Sample ID: **SSR1-11-S-10 (B-2)**

Lab Sample ID: 680-56602-13 Date Sampled: 04/07/2010 1400
Client Matrix: Solid % Moisture: 14.0 Date Received: 04/09/2010 0927

8081A_8082 Organochlorine Pesticides & PCBs (GC)

Method:	8081A_8082	Analysis Batch: 680-165922		Instrument ID:	SGZ
Preparation:	3550B	Prep Batch: 680-165869		Initial Weight/Volume:	15.08 g
Dilution:	625			Final Weight/Volume:	5 mL
Date Analyzed:	04/16/2010 1407			Injection Volume:	2 uL
Date Prepared:	04/16/2010 1004			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		<24000		2100	24000
PCB-1221		<48000		3500	48000
PCB-1232		<24000		2400	24000
PCB-1242		<24000		2000	24000
PCB-1248		<24000		5200	24000
PCB-1254		160000		1700	24000
PCB-1260		170000		4800	24000
PCB-1268		82000		1200	24000

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	*0*	X	*26 - 140*
DCB Decachlorobiphenyl	0	X	50 - 129

Client: Golder Associates Inc. Job Number: 680-56602-3

Client Sample ID: **SSR1-11-S-10 (B-1)**

Lab Sample ID: 680-56602-12 Date Sampled: 04/07/2010 1400
Client Matrix: Solid Date Received: 04/09/2010 0927

8081B/8082A Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Method:	8081B/8082A	Analysis Batch: 680-165922	Instrument ID: SGZ
Preparation:	3550C	Prep Batch: 680-165869	Initial Weight/Volume: 15.25 g
Dilution:	625		Final Weight/Volume: 5 mL
Date Analyzed:	04/16/2010 1350		Injection Volume: 2 uL
Date Prepared:	04/16/2010 1004		Result Type: PRIMARY

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		<20000		1800	20000
PCB-1221		<41000		3000	41000
PCB-1232		<20000		2000	20000
PCB-1242		<20000		1700	20000
PCB-1248		<20000		4400	20000
PCB-1254		140000		1400	20000
PCB-1260		150000		4100	20000
PCB-1268		74000		1000	20000

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	*0*	*D*	*50 - 129*
Tetrachloro-m-xylene	0	D	26 - 140

Client: Golder Associates Inc. Job Number: 680-56602-3

Client Sample ID: **SSR1-11-S-10 (B-1)**

Lab Sample ID: 680-56602-12 Date Sampled: 04/07/2010 1400
Client Matrix: Solid Date Received: 04/09/2010 0927

8081B/8082A Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Method:	8081B/8082A	Analysis Batch: 680-165922		Instrument ID:	SGZ
Preparation:	3550C	Prep Batch: 680-165869		Initial Weight/Volume:	15.25 g
Dilution:	625			Final Weight/Volume:	5 mL
Date Analyzed:	04/16/2010 1350			Injection Volume:	2 uL
Date Prepared:	04/16/2010 1004			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	0	D	50 - 129
Tetrachloro-m-xylene	0	D	26 - 140

Client: Golder Associates Inc. Job Number: 680-56602-3

Client Sample ID: **SSR1-11-S-10 (B-2)**

Lab Sample ID: 680-56602-13 Date Sampled: 04/07/2010 1400
Client Matrix: Solid Date Received: 04/09/2010 0927

8081B/8082A Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Method:	8081B/8082A	Analysis Batch: 680-165922	Instrument ID: SGZ
Preparation:	3550C	Prep Batch: 680-165869	Initial Weight/Volume: 15.08 g
Dilution:	625		Final Weight/Volume: 5 mL
Date Analyzed:	04/16/2010 1407		Injection Volume: 2 uL
Date Prepared:	04/16/2010 1004		Result Type: PRIMARY

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		<21000		1800	21000
PCB-1221		<42000		3000	42000
PCB-1232		<21000		2100	21000
PCB-1242		<21000		1700	21000
PCB-1248		<21000		4500	21000
PCB-1254		140000		1400	21000
PCB-1260		140000		4200	21000
PCB-1268		70000		1100	21000

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	*0*	*D*	*50 - 129*
Tetrachloro-m-xylene	0	D	26 - 140

Client: Golder Associates Inc. Job Number: 680-56602-3

Client Sample ID: **SSR1-11-S-10 (B-2)**

Lab Sample ID: 680-56602-13 Date Sampled: 04/07/2010 1400
Client Matrix: Solid Date Received: 04/09/2010 0927

8081B/8082A Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Method:	8081B/8082A	Analysis Batch: 680-165922		Instrument ID:	SGZ
Preparation:	3550C	Prep Batch: 680-165869		Initial Weight/Volume:	15.08 g
Dilution:	625			Final Weight/Volume:	5 mL
Date Analyzed:	04/16/2010 1407			Injection Volume:	2 uL
Date Prepared:	04/16/2010 1004			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	0	D	50 - 129
Tetrachloro-m-xylene	0	D	26 - 140

DATA REPORTING QUALIFIERS

Client: Golder Associates Inc. Job Number: 680-56602-3

Lab Section	Qualifier	Description
GC Semi VOA		
	X	Surrogate is outside control limits
	D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
	p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

QUALITY CONTROL RESULTS

Client: Golder Associates Inc. Job Number: 680-56602-3

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 680-165869					
LCS 680-165869/6-A	Lab Control Sample	T	Solid	3550B	
LCSD 680-165869/7-A	Lab Control Sample Duplicate	T	Solid	3550B	
MB 680-165869/5-A	Method Blank	T	Solid	3550B	
LCS 680-165869/6-A	Lab Control Sample	T	Solid	3550C	
LCSD 680-165869/7-A	Lab Control Sample Duplicate	T	Solid	3550C	
MB 680-165869/5-A	Method Blank	T	Solid	3550C	
680-56602-10	SSR1-11-S-10 (A-1)	T	Solid	3550B	
680-56602-11	SSR1-11-S-10 (A-2)	T	Solid	3550B	
680-56602-12	SSR1-11-S-10 (B-1)	T	Solid	3550B	
680-56602-12	SSR1-11-S-10 (B-1)	T	Solid	3550C	
680-56602-13	SSR1-11-S-10 (B-2)	T	Solid	3550B	
680-56602-13	SSR1-11-S-10 (B-2)	T	Solid	3550C	
Analysis Batch:680-165922					
LCS 680-165869/6-A	Lab Control Sample	T	Solid	8081A_8082	680-165869
LCSD 680-165869/7-A	Lab Control Sample Duplicate	T	Solid	8081A_8082	680-165869
MB 680-165869/5-A	Method Blank	T	Solid	8081A_8082	680-165869
LCS 680-165869/6-A	Lab Control Sample	T	Solid	8081B/8082A	680-165869
LCSD 680-165869/7-A	Lab Control Sample Duplicate	T	Solid	8081B/8082A	680-165869
MB 680-165869/5-A	Method Blank	T	Solid	8081B/8082A	680-165869
680-56602-10	SSR1-11-S-10 (A-1)	T	Solid	8081A_8082	680-165869
680-56602-11	SSR1-11-S-10 (A-2)	T	Solid	8081A_8082	680-165869
680-56602-12	SSR1-11-S-10 (B-1)	T	Solid	8081A_8082	680-165869
680-56602-12	SSR1-11-S-10 (B-1)	T	Solid	8081B/8082A	680-165869
680-56602-13	SSR1-11-S-10 (B-2)	T	Solid	8081A_8082	680-165869
680-56602-13	SSR1-11-S-10 (B-2)	T	Solid	8081B/8082A	680-165869

Report Basis
T = Total

Client: Golder Associates Inc.

Job Number: 680-56602-3

Surrogate Recovery Report

8081A_8082_Organochlorine Pesticides & PCBs (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCB1 %Rec	DCB2 %Rec	TCX1 %Rec	TCX2 %Rec
680-56602-12	SSR1-11-S-10 (B-1)	0X	0D	0X	0D
680-56602-13	SSR1-11-S-10 (B-2)	0X	0D	0X	0D
MB 680-165869/5-A		66	67	60	59
LCS 680-165869/6-A		71	71	64	62
LCSD 680-165869/7-A		68	70	65	65

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	26-140
DCB = DCB Decachlorobiphenyl	50-129

Client: Golder Associates Inc.

Job Number: 680-56602-3

Surrogate Recovery Report

8081A_8082_Organochlorine Pesticides & PCBs (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
680-56602-10	SSR1-11-S-10 (A-1)	0D	0D	0D	0D
680-56602-11	SSR1-11-S-10 (A-2)	0D	0D	0D	0D

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	26-140
DCB = DCB Decachlorobiphenyl	50-129

Client: Golder Associates Inc.

Job Number: 680-56602-3

Surrogate Recovery Report

8081B/8082A Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCB1 %Rec	DCB2 %Rec	TCX1 %Rec	TCX2 %Rec
680-56602-12	SSR1-11-S-10 (B-1)	0X	0D	0X	0D
680-56602-13	SSR1-11-S-10 (B-2)	0X	0D	0X	0D
MB 680-165869/5-A		66	67	60	59
LCS 680-165869/6-A		71	71	64	62
LCSD 680-165869/7-A		68	70	65	65

Surrogate	Acceptance Limits
DCB = DCB Decachlorobiphenyl	50-129
TCX = Tetrachloro-m-xylene	26-140

Client: Golder Associates Inc.

Job Number: 680-56602-3

Method Blank - Batch: 680-165869

Method: 8081A_8082
Preparation: 3550B

Lab Sample ID: MB 680-165869/5-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/16/2010 1224
Date Prepared: 04/16/2010 1004

Analysis Batch: 680-165922
Prep Batch: 680-165869
Units: ug/Kg

Instrument ID: SGZ
Lab File ID: zd16011.d
Initial Weight/Volume: 15.17 g
Final Weight/Volume: 5 mL
Injection Volume: 2 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
PCB-1016	<33		2.9	33
PCB-1221	<66		4.7	66
PCB-1232	<33		3.3	33
PCB-1242	<33		2.8	33
PCB-1248	<33		7.1	33
PCB-1254	<33		2.3	33
PCB-1260	<33		6.6	33
PCB-1268	<33		1.7	33

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	60	26 - 140
DCB Decachlorobiphenyl	67	50 - 129

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	59	26 - 140
DCB Decachlorobiphenyl	66	50 - 129

Client: Golder Associates Inc.

Job Number: 680-56602-3

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 680-165869

Method: 8081A_8082
Preparation: 3550B

LCS Lab Sample ID:	LCS 680-165869/6-A	Analysis Batch:	680-165922	Instrument ID:	SGZ
Client Matrix:	Solid	Prep Batch:	680-165869	Lab File ID:	zd16012.d
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	15.05 g
Date Analyzed:	04/16/2010 1241			Final Weight/Volume:	5 mL
Date Prepared:	04/16/2010 1004			Injection Volume:	2 uL
				Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 680-165869/7-A	Analysis Batch:	680-165922	Instrument ID:	SGZ
Client Matrix:	Solid	Prep Batch:	680-165869	Lab File ID:	zd16013.d
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	15.23 g
Date Analyzed:	04/16/2010 1258			Final Weight/Volume:	5 mL
Date Prepared:	04/16/2010 1004			Injection Volume:	2 uL
				Column ID:	PRIMARY

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
PCB-1016	75	71	43 - 136	6	50		
PCB-1260	81	74	53 - 133	9	50		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	64	65	26 - 140
DCB Decachlorobiphenyl	71	70	50 - 129

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	62	65	26 - 140
DCB Decachlorobiphenyl	71	68	50 - 129

Client: Golder Associates Inc.

Job Number: 680-56602-3

Method Blank - Batch: 680-165869

Method: 8081B/8082A
Preparation: 3550C

Lab Sample ID: MB 680-165869/5-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/16/2010 1224
Date Prepared: 04/16/2010 1004

Analysis Batch: 680-165922
Prep Batch: 680-165869
Units: ug/Kg

Instrument ID: SGZ
Lab File ID: zd16011.d
Initial Weight/Volume: 15.17 g
Final Weight/Volume: 5 mL
Injection Volume: 2 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
PCB-1016	<33		2.9	33
PCB-1221	<66		4.7	66
PCB-1232	<33		3.3	33
PCB-1242	<33		2.8	33
PCB-1248	<33		7.1	33
PCB-1254	<33		2.3	33
PCB-1260	<33		6.6	33
PCB-1268	<33		1.7	33

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	*67*	*50 - 129*
Tetrachloro-m-xylene	60	26 - 140

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	66	50 - 129
Tetrachloro-m-xylene	59	26 - 140

Client: Golder Associates Inc.

Job Number: 680-56602-3

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 680-165869

Method: 8081B/8082A
Preparation: 3550C

LCS Lab Sample ID:	LCS 680-165869/6-A	Analysis Batch:	680-165922	Instrument ID:	SGZ
Client Matrix:	Solid	Prep Batch:	680-165869	Lab File ID:	zd16012.d
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	15.05 g
Date Analyzed:	04/16/2010 1241			Final Weight/Volume:	5 mL
Date Prepared:	04/16/2010 1004			Injection Volume:	2 uL
				Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 680-165869/7-A	Analysis Batch:	680-165922	Instrument ID:	SGZ
Client Matrix:	Solid	Prep Batch:	680-165869	Lab File ID:	zd16013.d
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	15.23 g
Date Analyzed:	04/16/2010 1258			Final Weight/Volume:	5 mL
Date Prepared:	04/16/2010 1004			Injection Volume:	2 uL
				Column ID:	PRIMARY

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
PCB-1016	75	71	43 - 136	6	50		
PCB-1260	81	74	53 - 133	9	50		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	71	70	50 - 129
Tetrachloro-m-xylene	64	65	26 - 140

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	71	68	50 - 129
Tetrachloro-m-xylene	62	65	26 - 140

Serial Number 025070

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE: Solutia Anniston	PROJECT NO.	PROJECT LOCATION (STATE): AL	PAGE 1 OF 1
L (LAB) PROJECT MANAGER: Lidya G.	P.O. NUMBER	CONTRACT NO.	STANDARD REPORT DELIVERY ○
IENT (SITE) PM: Tim Richards	CLIENT PHONE: 845-300-8703	CLIENT FAX	DATE DUE
IENT NAME: Solutia / Golder	CLIENT E-MAIL: TRichards@Golder.com		EXPEDITED REPORT DELIVERY (SURCHARGE) ⊗
IENT ADDRESS: 3730 Chamblee Tucker Rd Atlanta GA 30341			DATE DUE 4/14/10
OMPANY CONTRACTING THIS WORK (if applicable): Solutia			NUMBER OF COOLERS SUBMITTED PER SHIPMENT: 1

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	MATRIX: COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	REQUIRED ANALYSIS: 680 PCBs	8081A 8082 PCB	PRESERVATIVE: None	None	REMARKS
4/8/10	18:45	RB-AA2-CON		X				1	1			* LEVEL II
4/8/10	18:50	FB-AA2-CON		X				1	1			↓
4/7/10	17:30	AA2-CON	C		X			1	1			Primary & MS/MSD
4/7/10	17:30	AA2-CON-FD	C		X			1	1			
4/7/10	13:52	SSR1-11-N-10	G		X			1	1			
4/7/10	14:00	SSR1-11-S-10	G		X			1	1			
4/7/10	17:41	SSR1-11-E-5	G		X			1	1			1602 Jar For 680 & 8081A 8082
4/7/10	17:55	SSR1-11-W-15	G		X			1	1			
4/8/10	13:50	SSR1-11-W-10-3	G		X			1	1			↑
												* LEVEL II

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
	4/8/10	16:00						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
Ruth A Daughtry	4/9/10	0927	YES ○ NO ○		680-56602	Temp 3.3

TAL8240-680 (1207)

Login Sample Receipt Check List

Client: Golder Associates Inc.

Job Number: 680-56602-3

Login Number: 56602

List Source: TestAmerica Savannah

Creator: Daughtry, Beth

List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Is the Field Sampler's name present on COC?	False	
Sample Preservation Verified	True	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 680-56602-1

Job Description: Anniston Landfill Site

For:
Golder Associates Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Attention: Mr. Tim Richards

Approved for release.
Lidya Gulizia
Project Manager I
4/20/2010 5:27 PM

Lidya Gulizia
Project Manager I
lidya.gulizia@testamericainc.com
04/20/2010

cc: Mr. Steve Moeller

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

Savannah Certifications and ID #s: A2LA: 0399.01; AL: 41450; ARDEQ: 88-0692; ARDOH; CA: 03217CA; CO; CT: PH0161; DE; FL: E87052; GA: 803; Guam; HI; IL: 200022; IN; IA: 353; KS: E-10322; KY EPPC: 90084; KY UST; LA DEQ: 30690; LA DHH: LA080008; ME: 2008022; MD: 250; MA: M-GA006; MI: 9925; MS; NFESC: 249; NV: GA00006; NJ: GA769; NM; NY: 10842; NC DWQ: 269; NC DHHS: 13701; PA: 68-00474; PR: GA00006; RI: LAO00244; SC: 98001001; TN: TN0296; TX: T104704185; USEPA: GA00006; VT: VT-87052; VA: 00302; WA; WV DEP: 094; WV DHHR: 9950 C; WI DNR: 999819810; WY/EPAR8: 8TMS-Q

Job Narrative
680-56602-1 (Revised; 4-14-10)

Receipt
All samples were received in good condition within temperature requirements.

GC Semi VOA
Method(s) 3550B: The following sample(s) required a sulfuric acid clean-up to reduce matrix interferences: AA2-CON (680-56602-3) and the associated MS/MSD (680-56602-3 MS and 680-56602-3 MSD), AA2-CON-FD (680-56602-4), SSR1-11-E-5 (680-56602-7), SSR1-11-N-10 (680-56602-5), SSR1-11-S-10 (680-56602-6), SSR1-11-W-10-3 (680-56602-9), SSR1-11-W-15 (680-56602-8).

Method(s) 8081A_8082: Due to the level of dilution required for the following sample(s), surrogate recoveries are not reported: AA2-CON (680-56602-3), AA2-CON-FD (680-56602-4), SSR1-11-E-5 (680-56602-7), SSR1-11-N-10 (680-56602-5), SSR1-11-S-10 (680-56602-6).

Method(s) 8081A_8082: The matrix spike samples for sample AA2-CON (680-56602-3) were diluted due to the abundance of target analytes. As such, surrogate and spike recoveries are not reported.

Method(s) 8081A_8082: Two surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample(s) contained an allowable number of surrogate compounds outside limits: SSR1-11-W-15 (680-56602-8). These results have been reported and qualified. The results for DCB were further qualified as estimated (flag E) due to positive interference from a non-target compound.

Method(s) 8081A_8082: This method incorporates the use of second column confirmation. Corrective action for unacceptable percent recovery is not taken for surrogate or spike compounds unless the results from both columns are outside criteria. Any results which fall outside criteria are qualified and reported.

No other analytical or quality issues were noted.

General Chemistry
No analytical or quality issues were noted.

Comments
A revised report was issued on april 14, 2010 to correct the PCB reporting limits on the aqeuous field QC samples which were erroneously reported at an incorrect reporting limit based on the final sample volume.

The report was again revised on April 20, 2010 per client request to add Arochlor 1268 to the target reporting list for Method 8082.

Results for Method 680 PCB Homolog results will be submitted following completion in the report for job series 680-56602-2 .

No additional comments.

METHOD SUMMARY

Client: Golder Associates Inc. Job Number: 680-56602-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Organochlorine Pesticides & PCBs (GC)	TAL SAV	SW846 8081A_8082	
Ultrasonic Extraction	TAL SAV		SW846 3550B
Matrix: Water			
Organochlorine Pesticides & PCBs (GC)	TAL SAV	SW846 8081A_8082	
Liquid-Liquid Extraction (Continuous)	TAL SAV		SW846 3520C

Lab References:

TAL SAV = TestAmerica Savannah

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Golder Associates Inc. Job Number: 680-56602-1

Method	Analyst	Analyst ID
SW846 8081A_8082	Kellar, Joshua	JK
SW846 8081A_8082	Smith, Crystal	CAS

SAMPLE SUMMARY

Client: Golder Associates Inc. Job Number: 680-56602-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-56602-1	RB-AA2-CON	Water	04/07/2010 1845	04/09/2010 0927
680-56602-2	FB-AA2-CON	Water	04/07/2010 1850	04/09/2010 0927
680-56602-3	AA2-CON	Solid	04/07/2010 1730	04/09/2010 0927
680-56602-4	AA2-CON-FD	Solid	04/07/2010 1730	04/09/2010 0927
680-56602-5	SSR1-11-N-10	Solid	04/07/2010 1352	04/09/2010 0927
680-56602-6	SSR1-11-S-10	Solid	04/07/2010 1400	04/09/2010 0927
680-56602-7	SSR1-11-E-5	Solid	04/07/2010 1741	04/09/2010 0927
680-56602-8	SSR1-11-W-15	Solid	04/07/2010 1755	04/09/2010 0927
680-56602-9	SSR1-11-W-10-3	Solid	04/08/2010 1350	04/09/2010 0927

SAMPLE RESULTS

Client: Golder Associates Inc. Job Number: 680-56602-1

Client Sample ID: **RB-AA2-CON**

Lab Sample ID: 680-56602-1 Date Sampled: 04/07/2010 1845
Client Matrix: Water Date Received: 04/09/2010 0927

8081A_8082 Organochlorine Pesticides & PCBs (GC)

Method:	8081A_8082	Analysis Batch: 680-165593		Instrument ID:	SGM
Preparation:	3520C	Prep Batch: 680-165426		Initial Weight/Volume:	1000 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	04/13/2010 2051			Injection Volume:	2 uL
Date Prepared:	04/12/2010 1730			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	<1.0		0.071	1.0
PCB-1221	<2.0		0.28	2.0
PCB-1232	<1.0		0.11	1.0
PCB-1242	<1.0		0.18	1.0
PCB-1248	<1.0		0.36	1.0
PCB-1254	<1.0		0.26	1.0
PCB-1260	<1.0		0.20	1.0
PCB-1268	<1.0		0.26	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	*71*		*35 - 120*
DCB Decachlorobiphenyl	18		14 - 115

Client: Golder Associates Inc.

Job Number: 680-56602-1

Client Sample ID: **RB-AA2-CON**

Lab Sample ID: 680-56602-1
Client Matrix: Water

Date Sampled: 04/07/2010 1845
Date Received: 04/09/2010 0927

8081A_8082 Organochlorine Pesticides & PCBs (GC)

Method:	8081A_8082	Analysis Batch: 680-165593	Instrument ID: SGM
Preparation:	3520C	Prep Batch: 680-165426	Initial Weight/Volume: 1000 mL
Dilution:	1.0		Final Weight/Volume: 10 mL
Date Analyzed:	04/13/2010 2051		Injection Volume: 2 uL
Date Prepared:	04/12/2010 1730		Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	70		35 - 120
DCB Decachlorobiphenyl	15		14 - 115

Client: Golder Associates Inc.

Job Number: 680-56602-1

Client Sample ID: **FB-AA2-CON**

Lab Sample ID: 680-56602-2
Client Matrix: Water

Date Sampled: 04/07/2010 1850
Date Received: 04/09/2010 0927

8081A_8082 Organochlorine Pesticides & PCBs (GC)

Method:	8081A_8082	Analysis Batch: 680-165593	Instrument ID: SGM
Preparation:	3520C	Prep Batch: 680-165426	Initial Weight/Volume: 1020 mL
Dilution:	1.0		Final Weight/Volume: 10 mL
Date Analyzed:	04/13/2010 2110		Injection Volume: 2 uL
Date Prepared:	04/12/2010 1730		Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	<0.98		0.070	0.98
PCB-1221	<2.0		0.27	2.0
PCB-1232	<0.98		0.11	0.98
PCB-1242	<0.98		0.18	0.98
PCB-1248	<0.98		0.35	0.98
PCB-1254	<0.98		0.25	0.98
PCB-1260	<0.98		0.20	0.98
PCB-1268	<0.98		0.25	0.98

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	73		35 - 120
DCB Decachlorobiphenyl	58		14 - 115

Client: Golder Associates Inc.

Job Number: 680-56602-1

Client Sample ID: **FB-AA2-CON**

Lab Sample ID: 680-56602-2
Client Matrix: Water

Date Sampled: 04/07/2010 1850
Date Received: 04/09/2010 0927

8081A_8082 Organochlorine Pesticides & PCBs (GC)

Method:	8081A_8082	Analysis Batch: 680-165593	Instrument ID: SGM
Preparation:	3520C	Prep Batch: 680-165426	Initial Weight/Volume: 1020 mL
Dilution:	1.0		Final Weight/Volume: 10 mL
Date Analyzed:	04/13/2010 2110		Injection Volume: 2 uL
Date Prepared:	04/12/2010 1730		Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	70		35 - 120
DCB Decachlorobiphenyl	49		14 - 115

Client: Golder Associates Inc. Job Number: 680-56602-1

Client Sample ID: **AA2-CON**

Lab Sample ID: 680-56602-3 Date Sampled: 04/07/2010 1730
Client Matrix: Solid % Moisture: 14.4 Date Received: 04/09/2010 0927

8081A_8082 Organochlorine Pesticides & PCBs (GC)

Method:	8081A_8082	Analysis Batch: 680-165591		Instrument ID:	SGM
Preparation:	3550B	Prep Batch: 680-165424		Initial Weight/Volume:	15.10 g
Dilution:	100			Final Weight/Volume:	5.0 mL
Date Analyzed:	04/13/2010 0935			Injection Volume:	2 uL
Date Prepared:	04/12/2010 1438			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		<3800		340	3800
PCB-1221		<7800		560	7800
PCB-1232		<3800		380	3800
PCB-1242		<3800		330	3800
PCB-1248		3300	J	840	3800
PCB-1254		24000		270	3800
PCB-1260		23000		780	3800
PCB-1268		28000		200	3800

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	*0*	*D*	*26 - 140*
DCB Decachlorobiphenyl	0	D	50 - 129

Client: Golder Associates Inc. Job Number: 680-56602-1

Client Sample ID: **AA2-CON**

Lab Sample ID: 680-56602-3 Date Sampled: 04/07/2010 1730
Client Matrix: Solid % Moisture: 14.4 Date Received: 04/09/2010 0927

8081A_8082 Organochlorine Pesticides & PCBs (GC)

Method:	8081A_8082	Analysis Batch: 680-165591		Instrument ID:	SGM
Preparation:	3550B	Prep Batch: 680-165424		Initial Weight/Volume:	15.10 g
Dilution:	100			Final Weight/Volume:	5.0 mL
Date Analyzed:	04/13/2010 0935			Injection Volume:	2 uL
Date Prepared:	04/12/2010 1438			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	0	D	26 - 140
DCB Decachlorobiphenyl	0	D	50 - 129

Client: Golder Associates Inc. Job Number: 680-56602-1

Client Sample ID: **AA2-CON-FD**

Lab Sample ID: 680-56602-4 Date Sampled: 04/07/2010 1730
Client Matrix: Solid % Moisture: 12.8 Date Received: 04/09/2010 0927

8081A_8082 Organochlorine Pesticides & PCBs (GC)

Method:	8081A_8082	Analysis Batch: 680-165591		Instrument ID:	SGM
Preparation:	3550B	Prep Batch: 680-165424		Initial Weight/Volume:	15.05 g
Dilution:	100			Final Weight/Volume:	5.0 mL
Date Analyzed:	04/13/2010 0954			Injection Volume:	2 uL
Date Prepared:	04/12/2010 1438			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		<3800		330	3800
PCB-1221		<7700		550	7700
PCB-1232		<3800		380	3800
PCB-1242		<3800		320	3800
PCB-1248		5800		820	3800
PCB-1254		31000		260	3800
PCB-1260		29000		770	3800
PCB-1268		24000		190	3800

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	0	D	26 - 140
DCB Decachlorobiphenyl	0	D	50 - 129

Client: Golder Associates Inc. Job Number: 680-56602-1

Client Sample ID: **AA2-CON-FD**

Lab Sample ID: 680-56602-4 Date Sampled: 04/07/2010 1730
Client Matrix: Solid % Moisture: 12.8 Date Received: 04/09/2010 0927

8081A_8082 Organochlorine Pesticides & PCBs (GC)

Method:	8081A_8082	Analysis Batch: 680-165591		Instrument ID:	SGM
Preparation:	3550B	Prep Batch: 680-165424		Initial Weight/Volume:	15.05 g
Dilution:	100			Final Weight/Volume:	5.0 mL
Date Analyzed:	04/13/2010 0954			Injection Volume:	2 uL
Date Prepared:	04/12/2010 1438			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	0	D	26 - 140
DCB Decachlorobiphenyl	0	D	50 - 129

Client: Golder Associates Inc. Job Number: 680-56602-1

Client Sample ID: **SSR1-11-N-10**

Lab Sample ID: 680-56602-5 Date Sampled: 04/07/2010 1352
Client Matrix: Solid % Moisture: 13.9 Date Received: 04/09/2010 0927

8081A_8082 Organochlorine Pesticides & PCBs (GC)

Method:	8081A_8082	Analysis Batch: 680-165572		Instrument ID:	SGM
Preparation:	3550B	Prep Batch: 680-165424		Initial Weight/Volume:	15.06 g
Dilution:	20			Final Weight/Volume:	5.0 mL
Date Analyzed:	04/13/2010 1445			Injection Volume:	2 uL
Date Prepared:	04/12/2010 1438			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		<760		67	760
PCB-1221		<1600		110	1600
PCB-1232		<760		76	760
PCB-1242		<760		65	760
PCB-1248		<760		170	760
PCB-1254		1200		53	760
PCB-1260		2500		160	760
PCB-1268		6900		39	760

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	*0*	*D*	*26 - 140*
DCB Decachlorobiphenyl	0	D	50 - 129

Client: Golder Associates Inc. Job Number: 680-56602-1

Client Sample ID: **SSR1-11-N-10**

Lab Sample ID: 680-56602-5 Date Sampled: 04/07/2010 1352
Client Matrix: Solid % Moisture: 13.9 Date Received: 04/09/2010 0927

8081A_8082 Organochlorine Pesticides & PCBs (GC)

Method:	8081A_8082	Analysis Batch: 680-165572		Instrument ID:	SGM
Preparation:	3550B	Prep Batch: 680-165424		Initial Weight/Volume:	15.06 g
Dilution:	20			Final Weight/Volume:	5.0 mL
Date Analyzed:	04/13/2010 1445			Injection Volume:	2 uL
Date Prepared:	04/12/2010 1438			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	0	D	26 - 140
DCB Decachlorobiphenyl	0	D	50 - 129

Client: Golder Associates Inc. Job Number: 680-56602-1

Client Sample ID: **SSR1-11-S-10**

Lab Sample ID: 680-56602-6 Date Sampled: 04/07/2010 1400
Client Matrix: Solid % Moisture: 17.0 Date Received: 04/09/2010 0927

8081A_8082 Organochlorine Pesticides & PCBs (GC)

Method:	8081A_8082	Analysis Batch: 680-165572		Instrument ID:	SGM
Preparation:	3550B	Prep Batch: 680-165424		Initial Weight/Volume:	15.08 g
Dilution:	800			Final Weight/Volume:	5.0 mL
Date Analyzed:	04/13/2010 1505			Injection Volume:	2 uL
Date Prepared:	04/12/2010 1438			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		<32000		2800	32000
PCB-1221		<64000		4600	64000
PCB-1232		<32000		3200	32000
PCB-1242		<32000		2700	32000
PCB-1248		<32000		6900	32000
PCB-1254		510000		2200	32000
PCB-1260		410000		6400	32000
PCB-1268		210000		1600	32000

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	0	D	26 - 140
DCB Decachlorobiphenyl	0	D	50 - 129

Client: Golder Associates Inc. Job Number: 680-56602-1

Client Sample ID: **SSR1-11-S-10**

Lab Sample ID: 680-56602-6 Date Sampled: 04/07/2010 1400
Client Matrix: Solid % Moisture: 17.0 Date Received: 04/09/2010 0927

8081A_8082 Organochlorine Pesticides & PCBs (GC)

Method:	8081A_8082	Analysis Batch: 680-165572		Instrument ID:	SGM
Preparation:	3550B	Prep Batch: 680-165424		Initial Weight/Volume:	15.08 g
Dilution:	800			Final Weight/Volume:	5.0 mL
Date Analyzed:	04/13/2010 1505			Injection Volume:	2 uL
Date Prepared:	04/12/2010 1438			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	0	D	26 - 140
DCB Decachlorobiphenyl	0	D	50 - 129

Client: Golder Associates Inc. Job Number: 680-56602-1

Client Sample ID: **SSR1-11-E-5**

Lab Sample ID: 680-56602-7 Date Sampled: 04/07/2010 1741
Client Matrix: Solid % Moisture: 11.5 Date Received: 04/09/2010 0927

8081A_8082 Organochlorine Pesticides & PCBs (GC)

Method:	8081A_8082	Analysis Batch: 680-165572		Instrument ID:	SGM
Preparation:	3550B	Prep Batch: 680-165424		Initial Weight/Volume:	15.18 g
Dilution:	100			Final Weight/Volume:	5.0 mL
Date Analyzed:	04/13/2010 1524			Injection Volume:	2 uL
Date Prepared:	04/12/2010 1438			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		<3700		320	3700
PCB-1221		<7500		540	7500
PCB-1232		<3700		370	3700
PCB-1242		<3700		310	3700
PCB-1248		<3700		800	3700
PCB-1254		37000		260	3700
PCB-1260		43000		750	3700
PCB-1268		33000		190	3700

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	0	D	26 - 140
DCB Decachlorobiphenyl	0	D	50 - 129

Client: Golder Associates Inc. Job Number: 680-56602-1

Client Sample ID: **SSR1-11-E-5**

Lab Sample ID: 680-56602-7 Date Sampled: 04/07/2010 1741
Client Matrix: Solid % Moisture: 11.5 Date Received: 04/09/2010 0927

8081A_8082 Organochlorine Pesticides & PCBs (GC)

Method:	8081A_8082	Analysis Batch: 680-165572		Instrument ID:	SGM
Preparation:	3550B	Prep Batch: 680-165424		Initial Weight/Volume:	15.18 g
Dilution:	100			Final Weight/Volume:	5.0 mL
Date Analyzed:	04/13/2010 1524			Injection Volume:	2 uL
Date Prepared:	04/12/2010 1438			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	0	D	26 - 140
DCB Decachlorobiphenyl	0	D	50 - 129

Client: Golder Associates Inc. Job Number: 680-56602-1

Client Sample ID: **SSR1-11-W-15**

Lab Sample ID: 680-56602-8 Date Sampled: 04/07/2010 1755
Client Matrix: Solid % Moisture: 9.6 Date Received: 04/09/2010 0927

8081A_8082 Organochlorine Pesticides & PCBs (GC)

Method:	8081A_8082	Analysis Batch: 680-165591		Instrument ID:	SGM
Preparation:	3550B	Prep Batch: 680-165424		Initial Weight/Volume:	15.04 g
Dilution:	5.0			Final Weight/Volume:	5.0 mL
Date Analyzed:	04/13/2010 1112			Injection Volume:	2 uL
Date Prepared:	04/12/2010 1438			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		<180		16	180
PCB-1221		<370		26	370
PCB-1232		<180		18	180
PCB-1242		<180		15	180
PCB-1248		<180		40	180
PCB-1254		2100		13	180
PCB-1260		2700		37	180
PCB-1268		3200		9.4	180

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	*81*		*26 - 140*
DCB Decachlorobiphenyl	14300	E X	50 - 129

Client: Golder Associates Inc. Job Number: 680-56602-1

Client Sample ID: **SSR1-11-W-15**

Lab Sample ID: 680-56602-8 Date Sampled: 04/07/2010 1755
Client Matrix: Solid % Moisture: 9.6 Date Received: 04/09/2010 0927

8081A_8082 Organochlorine Pesticides & PCBs (GC)

Method:	8081A_8082	Analysis Batch: 680-165591		Instrument ID:	SGM
Preparation:	3550B	Prep Batch: 680-165424		Initial Weight/Volume:	15.04 g
Dilution:	5.0			Final Weight/Volume:	5.0 mL
Date Analyzed:	04/13/2010 1112			Injection Volume:	2 uL
Date Prepared:	04/12/2010 1438			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	79		26 - 140
DCB Decachlorobiphenyl	11700	E X	50 - 129

Client: Golder Associates Inc. Job Number: 680-56602-1

Client Sample ID: **SSR1-11-W-10-3**

Lab Sample ID: 680-56602-9 Date Sampled: 04/08/2010 1350
Client Matrix: Solid % Moisture: 19.6 Date Received: 04/09/2010 0927

8081A_8082 Organochlorine Pesticides & PCBs (GC)

Method:	8081A_8082	Analysis Batch: 680-165591		Instrument ID:	SGM
Preparation:	3550B	Prep Batch: 680-165424		Initial Weight/Volume:	15.41 g
Dilution:	1.0			Final Weight/Volume:	5.0 mL
Date Analyzed:	04/13/2010 1131			Injection Volume:	2 uL
Date Prepared:	04/12/2010 1438			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		<40		3.5	40
PCB-1221		<81		5.8	81
PCB-1232		<40		4.0	40
PCB-1242		<40		3.4	40
PCB-1248		<40		8.7	40
PCB-1254		<40		2.8	40
PCB-1260		<40		8.1	40
PCB-1268		<40		2.1	40

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	*44*		*26 - 140*
DCB Decachlorobiphenyl	93	p	50 - 129

Client: Golder Associates Inc. Job Number: 680-56602-1

Client Sample ID: **SSR1-11-W-10-3**

Lab Sample ID: 680-56602-9 Date Sampled: 04/08/2010 1350
Client Matrix: Solid % Moisture: 19.6 Date Received: 04/09/2010 0927

8081A_8082 Organochlorine Pesticides & PCBs (GC)

Method:	8081A_8082	Analysis Batch: 680-165591		Instrument ID:	SGM
Preparation:	3550B	Prep Batch: 680-165424		Initial Weight/Volume:	15.41 g
Dilution:	1.0			Final Weight/Volume:	5.0 mL
Date Analyzed:	04/13/2010 1131			Injection Volume:	2 uL
Date Prepared:	04/12/2010 1438			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	42		26 - 140
DCB Decachlorobiphenyl	167	X	50 - 129

DATA REPORTING QUALIFIERS

Client: Golder Associates Inc. Job Number: 680-56602-1

Lab Section	Qualifier	Description
GC Semi VOA		
	F	MS or MSD exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	E	Result exceeded calibration range.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X	Surrogate is outside control limits
	D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
	p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

QUALITY CONTROL RESULTS

Client: Golder Associates Inc.

Job Number: 680-56602-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 680-165424					
LCS 680-165424/19-A	Lab Control Sample	T	Solid	3550B	
MB 680-165424/18-A	Method Blank	T	Solid	3550B	
680-56602-3	AA2-CON	T	Solid	3550B	
680-56602-3MS	Matrix Spike	T	Solid	3550B	
680-56602-3MSD	Matrix Spike Duplicate	T	Solid	3550B	
680-56602-4	AA2-CON-FD	T	Solid	3550B	
680-56602-5	SSR1-11-N-10	T	Solid	3550B	
680-56602-6	SSR1-11-S-10	T	Solid	3550B	
680-56602-7	SSR1-11-E-5	T	Solid	3550B	
680-56602-8	SSR1-11-W-15	T	Solid	3550B	
680-56602-9	SSR1-11-W-10-3	T	Solid	3550B	
Prep Batch: 680-165426					
LCS 680-165426/17-A	Lab Control Sample	T	Water	3520C	
MB 680-165426/16-A	Method Blank	T	Water	3520C	
680-56602-1	RB-AA2-CON	T	Water	3520C	
680-56602-2	FB-AA2-CON	T	Water	3520C	
Analysis Batch:680-165572					
680-56602-3MS	Matrix Spike	T	Solid	8081A_8082	680-165424
680-56602-3MSD	Matrix Spike Duplicate	T	Solid	8081A_8082	680-165424
680-56602-5	SSR1-11-N-10	T	Solid	8081A_8082	680-165424
680-56602-6	SSR1-11-S-10	T	Solid	8081A_8082	680-165424
680-56602-7	SSR1-11-E-5	T	Solid	8081A_8082	680-165424
Analysis Batch:680-165591					
LCS 680-165424/19-A	Lab Control Sample	T	Solid	8081A_8082	680-165424
MB 680-165424/18-A	Method Blank	T	Solid	8081A_8082	680-165424
680-56602-3	AA2-CON	T	Solid	8081A_8082	680-165424
680-56602-4	AA2-CON-FD	T	Solid	8081A_8082	680-165424
680-56602-8	SSR1-11-W-15	T	Solid	8081A_8082	680-165424
680-56602-9	SSR1-11-W-10-3	T	Solid	8081A_8082	680-165424
Analysis Batch:680-165593					
LCS 680-165426/17-A	Lab Control Sample	T	Water	8081A_8082	680-165426
MB 680-165426/16-A	Method Blank	T	Water	8081A_8082	680-165426
680-56602-1	RB-AA2-CON	T	Water	8081A_8082	680-165426
680-56602-2	FB-AA2-CON	T	Water	8081A_8082	680-165426

Report Basis
T = Total

Client: Golder Associates Inc.

Job Number: 680-56602-1

Surrogate Recovery Report

8081A_8082_Organochlorine Pesticides & PCBs (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
680-56602-3	AA2-CON	0D	0D	0D	0D
680-56602-4	AA2-CON-FD	0D	0D	0D	0D
680-56602-5	SSR1-11-N-10	0D	0D	0D	0D
680-56602-6	SSR1-11-S-10	0D	0D	0D	0D
680-56602-7	SSR1-11-E-5	0D	0D	0D	0D
680-56602-8	SSR1-11-W-15	81	79	1170E X 0	1430E X 0
680-56602-9	SSR1-11-W-10-3	42	44	167X	93p
MB 680-165424/18-A		77	84	75	91
LCS 680-165424/19-A		80	81	87	90
680-56602-3 MS	AA2-CON MS	0D	0D	0D	0D
680-56602-3 MSD	AA2-CON MSD	0D	0D	0D	0D

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	26-140
DCB = DCB Decachlorobiphenyl	50-129

Client: Golder Associates Inc.

Job Number: 680-56602-1

Surrogate Recovery Report

8081A_8082_Organochlorine Pesticides & PCBs (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
680-56602-1	RB-AA2-CON	71	70	15	18
680-56602-2	FB-AA2-CON	70	73	49	58
MB 680-165426/16-A		70	73	80	89
LCS 680-165426/17-A		75	76	70	79

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	35-120
DCB = DCB Decachlorobiphenyl	14-115

Client: Golder Associates Inc.

Job Number: 680-56602-1

Method Blank - Batch: 680-165424

Method: 8081A_8082
Preparation: 3550B

Lab Sample ID: MB 680-165424/18-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/13/2010 0856
Date Prepared: 04/12/2010 1438

Analysis Batch: 680-165591
Prep Batch: 680-165424
Units: ug/Kg

Instrument ID: SGM
Lab File ID: md12036.d
Initial Weight/Volume: 15.00 g
Final Weight/Volume: 5.0 mL
Injection Volume: 2 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
PCB-1016	<33		2.9	33
PCB-1221	<67		4.8	67
PCB-1232	<33		3.3	33
PCB-1242	<33		2.8	33
PCB-1248	<33		7.2	33
PCB-1254	<33		2.3	33
PCB-1260	<33		6.7	33
PCB-1268	<33		1.7	33

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	84	26 - 140
DCB Decachlorobiphenyl	91	50 - 129

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	77	26 - 140
DCB Decachlorobiphenyl	75	50 - 129

Lab Control Sample - Batch: 680-165424

Method: 8081A_8082
Preparation: 3550B

Lab Sample ID: LCS 680-165424/19-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/13/2010 0915
Date Prepared: 04/12/2010 1438

Analysis Batch: 680-165591
Prep Batch: 680-165424
Units: ug/Kg

Instrument ID: SGM
Lab File ID: md12037.d
Initial Weight/Volume: 15.00 g
Final Weight/Volume: 5.0 mL
Injection Volume: 2 uL
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
PCB-1016	333	309	93	43 - 136	
PCB-1260	333	291	87	53 - 133	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	81	26 - 140
DCB Decachlorobiphenyl	90	50 - 129

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	80	26 - 140
DCB Decachlorobiphenyl	87	50 - 129

Client: Golder Associates Inc.

Job Number: 680-56602-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-165424

Method: 8081A_8082
Preparation: 3550B

MS Lab Sample ID:	680-56602-3	Analysis Batch: 680-165572	Instrument ID: SGM
Client Matrix:	Solid	Prep Batch: 680-165424	Lab File ID: md12050.d
Dilution:	100		Initial Weight/Volume: 15.26 g
Date Analyzed:	04/13/2010 1407		Final Weight/Volume: 5.0 mL
Date Prepared:	04/12/2010 1438		Injection Volume: 2 uL
			Column ID: PRIMARY

MSD Lab Sample ID:	680-56602-3	Analysis Batch: 680-165572	Instrument ID: SGM
Client Matrix:	Solid	Prep Batch: 680-165424	Lab File ID: md12051.d
Dilution:	100		Initial Weight/Volume: 15.21 g
Date Analyzed:	04/13/2010 1426		Final Weight/Volume: 5.0 mL
Date Prepared:	04/12/2010 1438		Injection Volume: 2 uL
			Column ID: PRIMARY

	% Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
PCB-1016	0	0	43 - 136	NC	50	F	F
PCB-1260	-376	169	53 - 133	9	50	4	4

Surrogate	MS % Rec		MSD % Rec		Acceptance Limits
Tetrachloro-m-xylene	0	D	0	D	26 - 140
DCB Decachlorobiphenyl	0	D	0	D	50 - 129

Surrogate	MS % Rec		MSD % Rec		Acceptance Limits
Tetrachloro-m-xylene	0	D	0	D	26 - 140
DCB Decachlorobiphenyl	0	D	0	D	50 - 129

Client: Golder Associates Inc.

Job Number: 680-56602-1

Method Blank - Batch: 680-165426

Method: 8081A_8082
Preparation: 3520C

Lab Sample ID: MB 680-165426/16-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/13/2010 1914
Date Prepared: 04/12/2010 1730

Analysis Batch: 680-165593
Prep Batch: 680-165426
Units: ug/L

Instrument ID: SGM
Lab File ID: md12066.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 10 mL
Injection Volume: 2 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
PCB-1016	<1.0		0.071	1.0
PCB-1221	<2.0		0.28	2.0
PCB-1232	<1.0		0.11	1.0
PCB-1242	<1.0		0.18	1.0
PCB-1248	<1.0		0.36	1.0
PCB-1254	<1.0		0.26	1.0
PCB-1260	<1.0		0.20	1.0
PCB-1268	<1.0		0.26	1.0

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	73	35 - 120
DCB Decachlorobiphenyl	89	14 - 115

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	70	35 - 120
DCB Decachlorobiphenyl	80	14 - 115

Lab Control Sample - Batch: 680-165426

Method: 8081A_8082
Preparation: 3520C

Lab Sample ID: LCS 680-165426/17-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/13/2010 1933
Date Prepared: 04/12/2010 1730

Analysis Batch: 680-165593
Prep Batch: 680-165426
Units: ug/L

Instrument ID: SGM
Lab File ID: md12067.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 10 mL
Injection Volume: 2 uL
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
PCB-1016	10.0	10.8	108	57 - 124	
PCB-1260	10.0	9.50	95	58 - 124	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	76	35 - 120
DCB Decachlorobiphenyl	79	14 - 115

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	75	35 - 120
DCB Decachlorobiphenyl	70	14 - 115

Serial Number 025070

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE: Solutia Anniston	PROJECT NO.	PROJECT LOCATION (STATE): AL	PAGE 1 OF 1
PROJECT MANAGER (LAB): Lidya G.	P.O. NUMBER	CONTRACT NO.	STANDARD REPORT DELIVERY ○
CLIENT (SITE) PM: Tim Richards	CLIENT PHONE: 845-300-8703	CLIENT FAX	DATE DUE
CLIENT NAME: Solutia / Golder	CLIENT E-MAIL: TRichards@Golder.com		EXPEDITED REPORT DELIVERY (SURCHARGE) ⊗
CLIENT ADDRESS: 3730 Chamblee Tucker Rd Atlanta GA 30341			DATE DUE 4/14/10
COMPANY CONTRACTING THIS WORK (if applicable): Solutia			NUMBER OF COOLERS SUBMITTED PER SHIPMENT: 1

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	MATRIX: COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	REQUIRED ANALYSIS: 680 PCBs	8081A 8082 PCB	PRESERVATIVE: None	None	NUMBER OF CONTAINERS SUBMITTED		REMARKS
4/6/10	18:45	RB-AA2-CON		X				1	1					* LEVEL II
4/6/10	18:50	FB-AA2-CON		X				1	1					↓
4/6/10	17:30	AA2-CON	C		X			1	1					Primary & MS/MSD
4/6/10	17:30	AA2-CON-FD	C		X			1	1					
4/7/10	13:52	SSR1-11-N-10	G		X			1	1					
4/7/10	14:00	SSR1-11-S-10	G		X			1	1					
4/7/10	17:41	SSR1-11-E-5	G		X			1	2					1602 Jar For 680 & 8081A 8082
4/7/10	17:55	SSR1-11-W-15	G		X			1	2					
4/8/10	13:50	SSR1-11-W-10-3	G		X			1	1					↑
														* LEVEL II

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
	4/8/10	16:00						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
Beth A Daughtry	4/9/10	0927	YES ○ NO ○		680-56602	Temp 3.3

TAL8240-680 (1207)

Login Sample Receipt Check List

Client: Golder Associates Inc.

Job Number: 680-56602-1

Login Number: 56602

List Source: TestAmerica Savannah

Creator: Daughtry, Beth

List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Is the Field Sampler's name present on COC?	False	
Sample Preservation Verified	True	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 680-56602-2

Job Description: Anniston Landfill Site

For:
Golder Associates Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Attention: Mr. Tim Richards

Approved for release.
Lidya Gulizia
Project Manager I
4/20/2010 5:44 PM

Lidya Gulizia
Project Manager I
lidya.gulizia@testamericainc.com
04/20/2010

cc: Mr. Steve Moeller

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

Savannah Certifications and ID #s: A2LA: 0399.01; AL: 41450; ARDEQ: 88-0692; ARDOH; CA: 03217CA; CO; CT: PH0161; DE; FL: E87052; GA: 803; Guam; HI; IL: 200022; IN; IA: 353; KS: E-10322; KY EPPC: 90084; KY UST; LA DEQ: 30690; LA DHH: LA080008; ME: 2008022; MD: 250; MA: M-GA006; MI: 9925; MS; NFESC: 249; NV: GA00006; NJ: GA769; NM; NY: 10842; NC DWQ: 269; NC DHHS: 13701; PA: 68-00474; PR: GA00006; RI: LAO00244; SC: 98001001; TN: TN0296; TX: T104704185; USEPA: GA00006; VT: VT-87052; VA: 00302; WA; WV DEP: 094; WV DHHR: 9950 C; WI DNR: 999819810; WY/EPAR8: 8TMS-Q

Job Narrative
680-56602-2

Receipt
All samples were received in good condition within temperature requirements.

GC/MS Semi VOA
Method(s) 680: Internal standard response for the following sample(s) exceeded the upper control limit: RB-AA2-CON (680-56602-1). As such, the sample results may be biased low.

Method(s) 680: Sample AA2-CON-FD (680-56602-4) was diluted due to abundance of target analytes. As such, surrogate recoveries are not reported, and elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

Comments
No additional comments.

METHOD SUMMARY

Client: Golder Associates Inc. Job Number: 680-56602-2

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Polychlorinated Biphenyls (PCBs) (GC/MS)	TAL SAV	EPA 680	
Extraction (Solid PCBs)	TAL SAV		EPA 680
Matrix Water			
Polychlorinated Biphenyls (PCBs) (GC/MS)	TAL SAV	EPA 680	
Liquid-Liquid Extraction (Separatory Funnel)	TAL SAV		EPA 680

Lab References:

TAL SAV = TestAmerica Savannah

Method References:

EPA = US Environmental Protection Agency

METHOD / ANALYST SUMMARY

Client: Golder Associates Inc. Job Number: 680-56602-2

Method	Analyst	Analyst ID
EPA 680	Chamberlain, Kim	KAC
EPA 680	Davis, Nancy	ND

SAMPLE SUMMARY

Client: Golder Associates Inc. Job Number: 680-56602-2

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-56602-1	RB-AA2-CON	Water	04/07/2010 1845	04/09/2010 0927
680-56602-2	FB-AA2-CON	Water	04/07/2010 1850	04/09/2010 0927
680-56602-3	AA2-CON	Solid	04/07/2010 1730	04/09/2010 0927
680-56602-4	AA2-CON-FD	Solid	04/07/2010 1730	04/09/2010 0927
680-56602-5	SSR1-11-N-10	Solid	04/07/2010 1352	04/09/2010 0927
680-56602-6	SSR1-11-S-10	Solid	04/07/2010 1400	04/09/2010 0927
680-56602-7	SSR1-11-E-5	Solid	04/07/2010 1741	04/09/2010 0927
680-56602-8	SSR1-11-W-15	Solid	04/07/2010 1755	04/09/2010 0927
680-56602-9	SSR1-11-W-10-3	Solid	04/08/2010 1350	04/09/2010 0927

SAMPLE RESULTS

Client: Golder Associates Inc.

Job Number: 680-56602-2

Client Sample ID: **RB-AA2-CON**

Lab Sample ID: 680-56602-1
Client Matrix: Water

Date Sampled: 04/07/2010 1845
Date Received: 04/09/2010 0927

680 Polychlorinated Biphenyls (PCBs) (GC/MS)

Method:	680	Analysis Batch: 680-165611		Instrument ID:	MSF
Preparation:	680	Prep Batch: 680-165312		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1020 mL
Date Analyzed:	04/13/2010 1704			Final Weight/Volume:	1 mL
Date Prepared:	04/09/2010 1703			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	MDL	RL
Monochlorobiphenyl	<0.098		0.0055	0.098
Dichlorobiphenyl	<0.098		0.0053	0.098
Trichlorobiphenyl	<0.098		0.0064	0.098
Tetrachlorobiphenyl	<0.20		0.013	0.20
Pentachlorobiphenyl	<0.20		0.014	0.20
Hexachlorobiphenyl	<0.20		0.015	0.20
Heptachlorobiphenyl	<0.29		0.029	0.29
Octachlorobiphenyl	<0.29		0.037	0.29
Nonachlorobiphenyl	<0.49		0.048	0.49
DCB Decachlorobiphenyl	<0.49		0.069	0.49

Surrogate	%Rec	Qualifier	Acceptance Limits
Decachlorobiphenyl-13C12	89		25 - 113

Client: Golder Associates Inc.

Job Number: 680-56602-2

Client Sample ID: **FB-AA2-CON**

Lab Sample ID: 680-56602-2
Client Matrix: Water

Date Sampled: 04/07/2010 1850
Date Received: 04/09/2010 0927

680 Polychlorinated Biphenyls (PCBs) (GC/MS)

Method:	680	Analysis Batch: 680-165611		Instrument ID:	MSF
Preparation:	680	Prep Batch: 680-165312		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1030 mL
Date Analyzed:	04/13/2010 1736			Final Weight/Volume:	1 mL
Date Prepared:	04/09/2010 1703			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	MDL	RL
Monochlorobiphenyl	<0.097		0.0054	0.097
Dichlorobiphenyl	<0.097		0.0052	0.097
Trichlorobiphenyl	<0.097		0.0063	0.097
Tetrachlorobiphenyl	<0.19		0.013	0.19
Pentachlorobiphenyl	<0.19		0.014	0.19
Hexachlorobiphenyl	<0.19		0.015	0.19
Heptachlorobiphenyl	<0.29		0.029	0.29
Octachlorobiphenyl	<0.29		0.037	0.29
Nonachlorobiphenyl	<0.49		0.048	0.49
DCB Decachlorobiphenyl	<0.49		0.068	0.49

Surrogate	%Rec	Qualifier	Acceptance Limits
Decachlorobiphenyl-13C12	87		25 - 113

Client: Golder Associates Inc. Job Number: 680-56602-2

Client Sample ID: **AA2-CON**

Lab Sample ID: 680-56602-3 Date Sampled: 04/07/2010 1730
Client Matrix: Solid % Moisture: 14.4 Date Received: 04/09/2010 0927

680 Polychlorinated Biphenyls (PCBs) (GC/MS)

Method:	680	Analysis Batch: 680-165897		Instrument ID:	MSF
Preparation:	680	Prep Batch: 680-165422		Lab File ID:	N/A
Dilution:	50			Initial Weight/Volume:	30.06 g
Date Analyzed:	04/15/2010 1523			Final Weight/Volume:	1.0 mL
Date Prepared:	04/12/2010 1342			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Monochlorobiphenyl		<190		11	190
Dichlorobiphenyl		1300		20	190
Trichlorobiphenyl		5500		9.9	190
Tetrachlorobiphenyl		7000		22	390
Pentachlorobiphenyl		9400		20	390
Hexachlorobiphenyl		13000		19	390
Heptachlorobiphenyl		12000		29	580
Octachlorobiphenyl		5900		31	580
Nonachlorobiphenyl		870	J	54	990
DCB Decachlorobiphenyl		560	J	48	990

Surrogate	%Rec	Qualifier	Acceptance Limits
Decachlorobiphenyl-13C12	0	D	30 - 130

Client: Golder Associates Inc. Job Number: 680-56602-2

Client Sample ID: **AA2-CON-FD**

Lab Sample ID: 680-56602-4 Date Sampled: 04/07/2010 1730
Client Matrix: Solid % Moisture: 12.8 Date Received: 04/09/2010 0927

680 Polychlorinated Biphenyls (PCBs) (GC/MS)

Method:	680	Analysis Batch: 680-165897		Instrument ID:	MSF
Preparation:	680	Prep Batch: 680-165422		Lab File ID:	N/A
Dilution:	10			Initial Weight/Volume:	30.29 g
Date Analyzed:	04/15/2010 1106			Final Weight/Volume:	1.0 mL
Date Prepared:	04/12/2010 1342			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Monochlorobiphenyl		7.4	J	2.2	37
Dichlorobiphenyl		54		4.0	37
Trichlorobiphenyl		390		1.9	37
Tetrachlorobiphenyl		1800		4.2	76
Pentachlorobiphenyl		3000		3.9	76
Hexachlorobiphenyl		4500		3.7	76
Heptachlorobiphenyl		3000		5.7	110
Octachlorobiphenyl		1400		6.0	110
Nonachlorobiphenyl		380		11	190
DCB Decachlorobiphenyl		330		9.4	190

Surrogate	%Rec	Qualifier	Acceptance Limits
Decachlorobiphenyl-13C12	0	D	30 - 130

Client: Golder Associates Inc. Job Number: 680-56602-2

Client Sample ID: **SSR1-11-N-10**

Lab Sample ID: 680-56602-5 Date Sampled: 04/07/2010 1352
Client Matrix: Solid % Moisture: 13.9 Date Received: 04/09/2010 0927

680 Polychlorinated Biphenyls (PCBs) (GC/MS)

Method:	680	Analysis Batch: 680-165897		Instrument ID:	MSF
Preparation:	680	Prep Batch: 680-165422		Lab File ID:	N/A
Dilution:	10			Initial Weight/Volume:	30.35 g
Date Analyzed:	04/15/2010 1138			Final Weight/Volume:	1.0 mL
Date Prepared:	04/12/2010 1342			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Monochlorobiphenyl		<38		2.2	38
Dichlorobiphenyl		<38		4.0	38
Trichlorobiphenyl		<38		2.0	38
Tetrachlorobiphenyl		17	J	4.2	77
Pentachlorobiphenyl		120		3.9	77
Hexachlorobiphenyl		240		3.8	77
Heptachlorobiphenyl		130		5.7	110
Octachlorobiphenyl		390		6.1	110
Nonachlorobiphenyl		710		11	200
DCB Decachlorobiphenyl		1900		9.5	200

Surrogate	%Rec	Qualifier	Acceptance Limits
Decachlorobiphenyl-13C12	0	D	30 - 130

Client: Golder Associates Inc. Job Number: 680-56602-2

Client Sample ID: **SSR1-11-S-10**

Lab Sample ID: 680-56602-6 Date Sampled: 04/07/2010 1400
Client Matrix: Solid % Moisture: 17.0 Date Received: 04/09/2010 0927

680 Polychlorinated Biphenyls (PCBs) (GC/MS)

Method:	680	Analysis Batch: 680-165897		Instrument ID:	MSF
Preparation:	680	Prep Batch: 680-165422		Lab File ID:	N/A
Dilution:	100			Initial Weight/Volume:	30.05 g
Date Analyzed:	04/15/2010 1210			Final Weight/Volume:	1.0 mL
Date Prepared:	04/12/2010 1342			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Monochlorobiphenyl		<400		23	400
Dichlorobiphenyl		<400		42	400
Trichlorobiphenyl		530		20	400
Tetrachlorobiphenyl		17000		45	810
Pentachlorobiphenyl		83000		41	810
Hexachlorobiphenyl		110000		40	810
Heptachlorobiphenyl		57000		60	1200
Octachlorobiphenyl		20000		64	1200
Nonachlorobiphenyl		5500		110	2000
DCB Decachlorobiphenyl		7700		100	2000

Surrogate	%Rec	Qualifier	Acceptance Limits
Decachlorobiphenyl-13C12	0	D	30 - 130

Client: Golder Associates Inc. Job Number: 680-56602-2

Client Sample ID: **SSR1-11-E-5**

Lab Sample ID: 680-56602-7 Date Sampled: 04/07/2010 1741
Client Matrix: Solid % Moisture: 11.5 Date Received: 04/09/2010 0927

680 Polychlorinated Biphenyls (PCBs) (GC/MS)

Method:	680	Analysis Batch: 680-165897		Instrument ID:	MSF
Preparation:	680	Prep Batch: 680-165422		Lab File ID:	N/A
Dilution:	10			Initial Weight/Volume:	30.10 g
Date Analyzed:	04/15/2010 1243			Final Weight/Volume:	1.0 mL
Date Prepared:	04/12/2010 1342			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Monochlorobiphenyl		<37		2.1	37
Dichlorobiphenyl		<37		3.9	37
Trichlorobiphenyl		18	J	1.9	37
Tetrachlorobiphenyl		480		4.2	75
Pentachlorobiphenyl		3500		3.8	75
Hexachlorobiphenyl		5900		3.7	75
Heptachlorobiphenyl		3600		5.6	110
Octachlorobiphenyl		1900		6.0	110
Nonachlorobiphenyl		1100		10	190
DCB Decachlorobiphenyl		52	J	9.3	190

Surrogate	%Rec	Qualifier	Acceptance Limits
Decachlorobiphenyl-13C12	0	D	30 - 130

Client: Golder Associates Inc. Job Number: 680-56602-2

Client Sample ID: **SSR1-11-W-15**

Lab Sample ID: 680-56602-8 Date Sampled: 04/07/2010 1755
Client Matrix: Solid % Moisture: 9.6 Date Received: 04/09/2010 0927

680 Polychlorinated Biphenyls (PCBs) (GC/MS)

Method:	680	Analysis Batch: 680-165897		Instrument ID:	MSF
Preparation:	680	Prep Batch: 680-165422		Lab File ID:	N/A
Dilution:	10			Initial Weight/Volume:	30.08 g
Date Analyzed:	04/15/2010 1315			Final Weight/Volume:	1.0 mL
Date Prepared:	04/12/2010 1342			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Monochlorobiphenyl		<36		2.1	36
Dichlorobiphenyl		<36		3.9	36
Trichlorobiphenyl		5.8	J	1.9	36
Tetrachlorobiphenyl		140		4.1	74
Pentachlorobiphenyl		730		3.7	74
Hexachlorobiphenyl		1000		3.6	74
Heptachlorobiphenyl		640		5.5	110
Octachlorobiphenyl		490		5.8	110
Nonachlorobiphenyl		64	J	10	190
DCB Decachlorobiphenyl		1500		9.2	190

Surrogate	%Rec	Qualifier	Acceptance Limits
Decachlorobiphenyl-13C12	0	D	30 - 130

Client: Golder Associates Inc. Job Number: 680-56602-2

Client Sample ID: **SSR1-11-W-10-3**

Lab Sample ID: 680-56602-9 Date Sampled: 04/08/2010 1350
Client Matrix: Solid % Moisture: 19.6 Date Received: 04/09/2010 0927

680 Polychlorinated Biphenyls (PCBs) (GC/MS)

Method:	680	Analysis Batch: 680-165789		Instrument ID:	MSF
Preparation:	680	Prep Batch: 680-165422		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	30.13 g
Date Analyzed:	04/14/2010 1648			Final Weight/Volume:	1.0 mL
Date Prepared:	04/12/2010 1342			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Monochlorobiphenyl		<4.1		0.24	4.1
Dichlorobiphenyl		<4.1		0.43	4.1
Trichlorobiphenyl		<4.1		0.21	4.1
Tetrachlorobiphenyl		<8.3		0.46	8.3
Pentachlorobiphenyl		<8.3		0.42	8.3
Hexachlorobiphenyl		<8.3		0.41	8.3
Heptachlorobiphenyl		<12		0.62	12
Octachlorobiphenyl		<12		0.66	12
Nonachlorobiphenyl		<21		1.2	21
DCB Decachlorobiphenyl		<21		1.0	21

Surrogate	%Rec	Qualifier	Acceptance Limits
Decachlorobiphenyl-13C12	81		30 - 130

DATA REPORTING QUALIFIERS

Client: Golder Associates Inc. Job Number: 680-56602-2

Lab Section	Qualifier	Description
GC/MS Semi VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.

QUALITY CONTROL RESULTS

Client: Golder Associates Inc.

Job Number: 680-56602-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 680-165312					
LCS 680-165312/10-A	Lab Control Sample	T	Water	680	
MB 680-165312/9-A	Method Blank	T	Water	680	
680-56602-1	RB-AA2-CON	T	Water	680	
680-56602-2	FB-AA2-CON	T	Water	680	
Prep Batch: 680-165422					
LCS 680-165422/9-A	Lab Control Sample	T	Solid	680	
MB 680-165422/8-A	Method Blank	T	Solid	680	
680-56602-3	AA2-CON	T	Solid	680	
680-56602-4	AA2-CON-FD	T	Solid	680	
680-56602-5	SSR1-11-N-10	T	Solid	680	
680-56602-6	SSR1-11-S-10	T	Solid	680	
680-56602-7	SSR1-11-E-5	T	Solid	680	
680-56602-8	SSR1-11-W-15	T	Solid	680	
680-56602-9	SSR1-11-W-10-3	T	Solid	680	
Analysis Batch:680-165611					
LCS 680-165312/10-A	Lab Control Sample	T	Water	680	680-165312
MB 680-165312/9-A	Method Blank	T	Water	680	680-165312
680-56602-1	RB-AA2-CON	T	Water	680	680-165312
680-56602-2	FB-AA2-CON	T	Water	680	680-165312
Analysis Batch:680-165789					
LCS 680-165422/9-A	Lab Control Sample	T	Solid	680	680-165422
MB 680-165422/8-A	Method Blank	T	Solid	680	680-165422
680-56602-9	SSR1-11-W-10-3	T	Solid	680	680-165422
Analysis Batch:680-165897					
680-56602-3	AA2-CON	T	Solid	680	680-165422
680-56602-4	AA2-CON-FD	T	Solid	680	680-165422
680-56602-5	SSR1-11-N-10	T	Solid	680	680-165422
680-56602-6	SSR1-11-S-10	T	Solid	680	680-165422
680-56602-7	SSR1-11-E-5	T	Solid	680	680-165422
680-56602-8	SSR1-11-W-15	T	Solid	680	680-165422

Report Basis
T = Total

Client: Golder Associates Inc.

Job Number: 680-56602-2

Surrogate Recovery Report

680 Polychlorinated Biphenyls (PCBs) (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	13DCB %Rec
680-56602-3	AA2-CON	0D
680-56602-4	AA2-CON-FD	0D
680-56602-5	SSR1-11-N-10	0D
680-56602-6	SSR1-11-S-10	0D
680-56602-7	SSR1-11-E-5	0D
680-56602-8	SSR1-11-W-15	0D
680-56602-9	SSR1-11-W-10-3	81
MB 680-165422/8-A		68
LCS 680-165422/9-A		86

Surrogate	Acceptance Limits
13DCB = Decachlorobiphenyl-13C12	30-130

Client: Golder Associates Inc.

Job Number: 680-56602-2

Surrogate Recovery Report

680 Polychlorinated Biphenyls (PCBs) (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	13DCB %Rec
680-56602-1	RB-AA2-CON	89
680-56602-2	FB-AA2-CON	87
MB 680-165312/9-A		100
LCS 680-165312/10-A		109

Surrogate	Acceptance Limits
13DCB = Decachlorobiphenyl-13C12	25-113

Client: Golder Associates Inc.

Job Number: 680-56602-2

Method Blank - Batch: 680-165312

Method: 680
Preparation: 680

Lab Sample ID: MB 680-165312/9-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/13/2010 1410
Date Prepared: 04/09/2010 1703

Analysis Batch: 680-165611
Prep Batch: 680-165312
Units: ug/L

Instrument ID: MSF
Lab File ID: N/A
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result	Qual	MDL	RL
Monochlorobiphenyl	<0.10		0.0056	0.10
Dichlorobiphenyl	<0.10		0.0054	0.10
Trichlorobiphenyl	<0.10		0.0065	0.10
Tetrachlorobiphenyl	<0.20		0.013	0.20
Pentachlorobiphenyl	<0.20		0.014	0.20
Hexachlorobiphenyl	<0.20		0.015	0.20
Heptachlorobiphenyl	<0.30		0.030	0.30
Octachlorobiphenyl	<0.30		0.038	0.30
Nonachlorobiphenyl	<0.50		0.049	0.50
DCB Decachlorobiphenyl	<0.50		0.070	0.50

Surrogate	% Rec	Acceptance Limits
Decachlorobiphenyl-13C12	100	25 - 113

Lab Control Sample - Batch: 680-165312

Method: 680
Preparation: 680

Lab Sample ID: LCS 680-165312/10-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/13/2010 1515
Date Prepared: 04/09/2010 1703

Analysis Batch: 680-165611
Prep Batch: 680-165312
Units: ug/L

Instrument ID: MSF
Lab File ID: N/A
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Monochlorobiphenyl	2.00	1.55	77	10 - 125	
Dichlorobiphenyl	2.00	1.75	88	10 - 110	
Trichlorobiphenyl	2.00	1.82	91	17 - 110	
Tetrachlorobiphenyl	4.00	3.63	91	18 - 110	
Pentachlorobiphenyl	4.00	3.95	99	34 - 110	
Hexachlorobiphenyl	4.00	3.85	96	31 - 110	
Heptachlorobiphenyl	6.00	5.92	99	33 - 110	
Octachlorobiphenyl	6.00	6.16	103	33 - 110	
DCB Decachlorobiphenyl	10.0	9.86	99	26 - 115	

Surrogate	% Rec	Acceptance Limits
Decachlorobiphenyl-13C12	109	25 - 113

Client: Golder Associates Inc.

Job Number: 680-56602-2

Method Blank - Batch: 680-165422

Method: 680
Preparation: 680

Lab Sample ID: MB 680-165422/8-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/14/2010 1230
Date Prepared: 04/12/2010 1342

Analysis Batch: 680-165789
Prep Batch: 680-165422
Units: ug/Kg

Instrument ID: MSF
Lab File ID: N/A
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	Result	Qual	MDL	RL
Monochlorobiphenyl	<3.3		0.19	3.3
Dichlorobiphenyl	<3.3		0.35	3.3
Trichlorobiphenyl	<3.3		0.17	3.3
Tetrachlorobiphenyl	<6.7		0.37	6.7
Pentachlorobiphenyl	<6.7		0.34	6.7
Hexachlorobiphenyl	<6.7		0.33	6.7
Heptachlorobiphenyl	<10		0.50	10
Octachlorobiphenyl	<10		0.53	10
Nonachlorobiphenyl	<17		0.93	17
DCB Decachlorobiphenyl	<17		0.83	17

Surrogate	% Rec	Acceptance Limits
Decachlorobiphenyl-13C12	68	30 - 130

Lab Control Sample - Batch: 680-165422

Method: 680
Preparation: 680

Lab Sample ID: LCS 680-165422/9-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/14/2010 1302
Date Prepared: 04/12/2010 1342

Analysis Batch: 680-165789
Prep Batch: 680-165422
Units: ug/Kg

Instrument ID: MSF
Lab File ID: N/A
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Monochlorobiphenyl	66.7	44.6	67	30 - 130	
Dichlorobiphenyl	66.7	47.8	72	30 - 130	
Trichlorobiphenyl	66.7	49.8	75	30 - 130	
Tetrachlorobiphenyl	133	98.8	74	40 - 140	
Pentachlorobiphenyl	133	107	80	40 - 140	
Hexachlorobiphenyl	133	105	79	40 - 140	
Heptachlorobiphenyl	200	161	80	40 - 140	
Octachlorobiphenyl	200	163	82	40 - 140	
DCB Decachlorobiphenyl	333	254	76	30 - 130	

Surrogate	% Rec	Acceptance Limits
Decachlorobiphenyl-13C12	86	30 - 130

Serial Number 025070

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE: Solutia Anniston	PROJECT NO.	PROJECT LOCATION (STATE): AL	PAGE 1 OF 1
PROJECT MANAGER (LAB): Lidya G.	P.O. NUMBER	CONTRACT NO.	STANDARD REPORT DELIVERY ○
CLIENT (SITE) PM: Tim Richards	CLIENT PHONE: 845-300-8703	CLIENT FAX	DATE DUE
CLIENT NAME: Solutia / Golder	CLIENT E-MAIL: TRichards@Golder.com		EXPEDITED REPORT DELIVERY (SURCHARGE) ⊗
CLIENT ADDRESS: 3730 Chamblee Tucker Rd Atlanta GA 30341			DATE DUE 4/14/10
COMPANY CONTRACTING THIS WORK (if applicable): Solutia			NUMBER OF COOLERS SUBMITTED PER SHIPMENT: 1

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	MATRIX: COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	REQUIRED ANALYSIS: 680 PCBs	8081A 8082 PCB	PRESERVATIVE: None	None	REMARKS
4/6/10	18:45	RB-AA2-CON	G	X				1	1			* LEVEL II
4/6/10	18:50	FB-AA2-CON	G	X				1	1			↓
4/6/10	17:30	AA2-CON	C		X			1	1			Primary & MS/MSD
4/6/10	17:30	AA2-CON-FD	C		X			1	1			
4/7/10	13:52	SSR1-11-N-10	G		X			1	1			
4/7/10	14:00	SSR1-11-S-10	G		X			1	1			
4/7/10	17:41	SSR1-11-E-5	G		X			1	2			1602 Jar For 680 & 8081A 8082
4/7/10	17:55	SSR1-11-W-15	G		X			1	2			
4/8/10	13:50	SSR1-11-W-10-3	G		X			1	1			↑
												* LEVEL II

RELINQUISHED BY: (SIGNATURE)	DATE 4/8/10	TIME 16:00	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE / TIME
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE / TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
Ruth A Daughtry	4/9/10	0927	YES ○ NO ○		680-56602	Temp 3.3

TAL8240-680 (1207)

Login Sample Receipt Check List

Client: Golder Associates Inc.

Job Number: 680-56602-2

Login Number: 56602

List Source: TestAmerica Savannah

Creator: Daughtry, Beth

List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Is the Field Sampler's name present on COC?	False	
Sample Preservation Verified	True	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 680-56921-1

Job Description: Anniston Landfill - SSR1-11S-15 4/20/10

For:
Golder Associates Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Attention: Mr. Tim Richards

Approved for release.
Lidya Gulizia
Project Manager I
4/23/2010 5:12 PM

Lidya Gulizia
Project Manager I
lidya.gulizia@testamericainc.com
04/23/2010

cc: Ms. Lori Anne Hendel
Mr. Steve Moeller

Savannah Certifications and ID #s: A2LA: 0399.01; AL: 41450; ARDEQ: 88-0692; ARDOH; CA: 03217CA; CO; CT: PH0161; DE; FL: E87052; GA: 803; Guam; HI; IL: 200022; IN; IA: 353; KS: E-10322; KY EPPC: 90084; KY UST; LA DEQ: 30690; LA DHH: LA080008; ME: 2008022; MD: 250; MA: M-GA006; MI: 9925; MS; NFESC: 249; NV: GA00006; NJ: GA769; NM; NY: 10842; NC DWQ: 269; NC DHHS: 13701; PA: 68-00474; PR: GA00006; RI: LAO00244; SC: 98001001; TN: TN0296; TX: T104704185; USEPA: GA00006; VT: VT-87052; VA: 00302; WA; WV DEP: 094; WV DHHR: 9950 C; WI DNR: 999819810; WY/EPAR8: 8TMS-Q

TestAmerica Laboratories, Inc.
TestAmerica Savannah 5102 LaRoche Avenue, Savannah, GA 31404
Tel (912) 354-7858 Fax (912) 352-0165 www.testamericainc.com

ACCREDITED IN ACCORDANCE WITH nelac

Receipt
All samples were received in good condition within temperature requirements.

GC/MS Semi VOA
No analytical or quality issues were noted.

GC Semi VOA
Method(s) 8081A_8082: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 680-166343 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 8081A_8082: Due to the level of dilution required for the following sample(s), surrogate recoveries are not reported: SSR1-11-S-15 (680-56921-2).

No other analytical or quality issues were noted.

General Chemistry
No analytical or quality issues were noted.

Comments
This report contains final results for both Method 8082 PCB analysis as Aroclors and Method 680 sample analyses for PCB Homologs.

No additional comments.

METHOD SUMMARY

Client: Golder Associates Inc. Job Number: 680-56921-1

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Polychlorinated Biphenyls (PCBs) (GC/MS)	TAL SAV	EPA 680	
Extraction (Solid PCBs)	TAL SAV		EPA 680
Organochlorine Pesticides & PCBs (GC)	TAL SAV	SW846 8081A_8082	
Ultrasonic Extraction	TAL SAV		SW846 3550B

Lab References:

TAL SAV = TestAmerica Savannah

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Golder Associates Inc. Job Number: 680-56921-1

Method	Analyst	Analyst ID
EPA 680	Davis, Nancy	ND
SW846 8081A_8082	Kellar, Joshua	JK

SAMPLE SUMMARY

Client: Golder Associates Inc. Job Number: 680-56921-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-56921-1	SSR1-11-S-15-3	Solid	04/20/2010 1430	04/21/2010 0917
680-56921-2	SSR1-11-S-15	Solid	04/20/2010 1050	04/21/2010 0917

SAMPLE RESULTS

Client: Golder Associates Inc. Job Number: 680-56921-1

Client Sample ID: **SSR1-11-S-15-3**

Lab Sample ID: 680-56921-1 Date Sampled: 04/20/2010 1430
Client Matrix: Solid % Moisture: 17.6 Date Received: 04/21/2010 0917

680 Polychlorinated Biphenyls (PCBs) (GC/MS)

Method:	680	Analysis Batch: 680-166543		Instrument ID:	MSF
Preparation:	680	Prep Batch: 680-166341		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	30.34 g
Date Analyzed:	04/22/2010 1335			Final Weight/Volume:	1 mL
Date Prepared:	04/21/2010 1725			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Monochlorobiphenyl		<4.0		0.23	4.0
Dichlorobiphenyl		<4.0		0.42	4.0
Trichlorobiphenyl		<4.0		0.20	4.0
Tetrachlorobiphenyl		<8.0		0.44	8.0
Pentachlorobiphenyl		<8.0		0.41	8.0
Hexachlorobiphenyl		1.1	J	0.40	8.0
Heptachlorobiphenyl		<12		0.60	12
Octachlorobiphenyl		<12		0.64	12
Nonachlorobiphenyl		<20		1.1	20
DCB Decachlorobiphenyl		<20		1.0	20

Surrogate	%Rec	Qualifier	Acceptance Limits
Decachlorobiphenyl-13C12	71		30 - 130

Client: Golder Associates Inc. Job Number: 680-56921-1

Client Sample ID: **SSR1-11-S-15**

Lab Sample ID: 680-56921-2 Date Sampled: 04/20/2010 1050
Client Matrix: Solid % Moisture: 17.2 Date Received: 04/21/2010 0917

680 Polychlorinated Biphenyls (PCBs) (GC/MS)

Method:	680	Analysis Batch: 680-166543		Instrument ID:	MSF
Preparation:	680	Prep Batch: 680-166341		Lab File ID:	N/A
Dilution:	10			Initial Weight/Volume:	30.07 g
Date Analyzed:	04/22/2010 1407			Final Weight/Volume:	1 mL
Date Prepared:	04/21/2010 1725			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Monochlorobiphenyl		<40		2.3	40
Dichlorobiphenyl		<40		4.2	40
Trichlorobiphenyl		6.0	J	2.0	40
Tetrachlorobiphenyl		200		4.5	81
Pentachlorobiphenyl		1400		4.1	81
Hexachlorobiphenyl		2200		4.0	81
Heptachlorobiphenyl		1400		6.0	120
Octachlorobiphenyl		920		6.4	120
Nonachlorobiphenyl		730		11	200
DCB Decachlorobiphenyl		1500		10	200

Surrogate	%Rec	Qualifier	Acceptance Limits
Decachlorobiphenyl-13C12	44		30 - 130

Client: Golder Associates Inc. Job Number: 680-56921-1

Client Sample ID: **SSR1-11-S-15-3**

Lab Sample ID: 680-56921-1 Date Sampled: 04/20/2010 1430
Client Matrix: Solid % Moisture: 17.6 Date Received: 04/21/2010 0917

8081A_8082 Organochlorine Pesticides & PCBs (GC)

Method:	8081A_8082	Analysis Batch: 680-166409		Instrument ID:	SGZ
Preparation:	3550B	Prep Batch: 680-166343		Initial Weight/Volume:	15.41 g
Dilution:	1.0			Final Weight/Volume:	5 mL
Date Analyzed:	04/22/2010 0959			Injection Volume:	2 uL
Date Prepared:	04/21/2010 1755			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		<39		3.4	39
PCB-1221		<79		5.7	79
PCB-1232		<39		3.9	39
PCB-1242		<39		3.3	39
PCB-1248		<39		8.5	39
PCB-1254		9.6	J	2.7	39
PCB-1260		11	J	7.9	39
PCB-1268		5.0	J	2.0	39

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	*28*		*26 - 140*
DCB Decachlorobiphenyl	74		50 - 129

Client: Golder Associates Inc. Job Number: 680-56921-1

Client Sample ID: **SSR1-11-S-15-3**

Lab Sample ID: 680-56921-1 Date Sampled: 04/20/2010 1430
Client Matrix: Solid % Moisture: 17.6 Date Received: 04/21/2010 0917

8081A_8082 Organochlorine Pesticides & PCBs (GC)

Method:	8081A_8082	Analysis Batch: 680-166409		Instrument ID:	SGZ
Preparation:	3550B	Prep Batch: 680-166343		Initial Weight/Volume:	15.41 g
Dilution:	1.0			Final Weight/Volume:	5 mL
Date Analyzed:	04/22/2010 0959			Injection Volume:	2 uL
Date Prepared:	04/21/2010 1755			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	25	X	26 - 140
DCB Decachlorobiphenyl	68		50 - 129

Client: Golder Associates Inc. Job Number: 680-56921-1

Client Sample ID: **SSR1-11-S-15**

Lab Sample ID: 680-56921-2 Date Sampled: 04/20/2010 1050
Client Matrix: Solid % Moisture: 17.2 Date Received: 04/21/2010 0917

8081A_8082 Organochlorine Pesticides & PCBs (GC)

Method:	8081A_8082	Analysis Batch: 680-166409		Instrument ID:	SGZ
Preparation:	3550B	Prep Batch: 680-166343		Initial Weight/Volume:	15.04 g
Dilution:	100			Final Weight/Volume:	5 mL
Date Analyzed:	04/22/2010 1016			Injection Volume:	2 uL
Date Prepared:	04/21/2010 1755			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		<4000		350	4000
PCB-1221		<8100		580	8100
PCB-1232		<4000		400	4000
PCB-1242		<4000		340	4000
PCB-1248		<4000		870	4000
PCB-1254		11000		280	4000
PCB-1260		14000		810	4000
PCB-1268		12000		200	4000

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	*0*	*D*	*26 - 140*
DCB Decachlorobiphenyl	0	D	50 - 129

Client: Golder Associates Inc. Job Number: 680-56921-1

Client Sample ID: **SSR1-11-S-15**

Lab Sample ID: 680-56921-2 Date Sampled: 04/20/2010 1050
Client Matrix: Solid % Moisture: 17.2 Date Received: 04/21/2010 0917

8081A_8082 Organochlorine Pesticides & PCBs (GC)

Method:	8081A_8082	Analysis Batch: 680-166409		Instrument ID:	SGZ
Preparation:	3550B	Prep Batch: 680-166343		Initial Weight/Volume:	15.04 g
Dilution:	100			Final Weight/Volume:	5 mL
Date Analyzed:	04/22/2010 1016			Injection Volume:	2 uL
Date Prepared:	04/21/2010 1755			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	0	D	26 - 140
DCB Decachlorobiphenyl	0	D	50 - 129

DATA REPORTING QUALIFIERS

Client: Golder Associates Inc. Job Number: 680-56921-1

Lab Section	Qualifier	Description
GC/MS Semi VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC Semi VOA		
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X	Surrogate is outside control limits
	D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.

QUALITY CONTROL RESULTS

Client: Golder Associates Inc. Job Number: 680-56921-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 680-166341					
LCS 680-166341/4-A	Lab Control Sample	T	Solid	680	
MB 680-166341/3-A	Method Blank	T	Solid	680	
680-56921-1	SSR1-11-S-15-3	T	Solid	680	
680-56921-1MS	Matrix Spike	T	Solid	680	
680-56921-1MSD	Matrix Spike Duplicate	T	Solid	680	
680-56921-2	SSR1-11-S-15	T	Solid	680	
Analysis Batch:680-166543					
LCS 680-166341/4-A	Lab Control Sample	T	Solid	680	680-166341
MB 680-166341/3-A	Method Blank	T	Solid	680	680-166341
680-56921-1	SSR1-11-S-15-3	T	Solid	680	680-166341
680-56921-1MS	Matrix Spike	T	Solid	680	680-166341
680-56921-1MSD	Matrix Spike Duplicate	T	Solid	680	680-166341
680-56921-2	SSR1-11-S-15	T	Solid	680	680-166341

Report Basis
T = Total

GC Semi VOA					
Prep Batch: 680-166343					
LCS 680-166343/4-A	Lab Control Sample	T	Solid	3550B	
MB 680-166343/3-A	Method Blank	T	Solid	3550B	
680-56921-1	SSR1-11-S-15-3	T	Solid	3550B	
680-56921-1MS	Matrix Spike	T	Solid	3550B	
680-56921-1MSD	Matrix Spike Duplicate	T	Solid	3550B	
680-56921-2	SSR1-11-S-15	T	Solid	3550B	
Analysis Batch:680-166409					
LCS 680-166343/4-A	Lab Control Sample	T	Solid	8081A_8082	680-166343
MB 680-166343/3-A	Method Blank	T	Solid	8081A_8082	680-166343
680-56921-1	SSR1-11-S-15-3	T	Solid	8081A_8082	680-166343
680-56921-1MS	Matrix Spike	T	Solid	8081A_8082	680-166343
680-56921-1MSD	Matrix Spike Duplicate	T	Solid	8081A_8082	680-166343
680-56921-2	SSR1-11-S-15	T	Solid	8081A_8082	680-166343

Report Basis
T = Total

Client: Golder Associates Inc.

Job Number: 680-56921-1

Surrogate Recovery Report

680 Polychlorinated Biphenyls (PCBs) (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	13DCB %Rec
680-56921-1	SSR1-11-S-15-3	71
680-56921-2	SSR1-11-S-15	44
MB 680-166341/3-A		66
LCS 680-166341/4-A		81
680-56921-1 MS	SSR1-11-S-15-3 MS	75
680-56921-1 MSD	SSR1-11-S-15-3 MSD	79

Surrogate	Acceptance Limits
13DCB = Decachlorobiphenyl-13C12	30-130

Client: Golder Associates Inc.

Job Number: 680-56921-1

Surrogate Recovery Report

8081A_8082_Organochlorine Pesticides & PCBs (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
680-56921-1	SSR1-11-S-15-3	25X	28	68	74
680-56921-2	SSR1-11-S-15	0D	0D	0D	0D
MB 680-166343/3-A		73	76	76	79
LCS 680-166343/4-A		78	81	80	83
680-56921-1 MS	SSR1-11-S-15-3 MS	28	28	76	77
680-56921-1 MSD	SSR1-11-S-15-3 MSD	24X	24X	76	78

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	26-140
DCB = DCB Decachlorobiphenyl	50-129

Client: Golder Associates Inc.

Job Number: 680-56921-1

Method Blank - Batch: 680-166341

Method: 680
Preparation: 680

Lab Sample ID: MB 680-166341/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/22/2010 1229
Date Prepared: 04/21/2010 1725

Analysis Batch: 680-166543
Prep Batch: 680-166341
Units: ug/Kg

Instrument ID: MSF
Lab File ID: N/A
Initial Weight/Volume: 30.30 g
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result	Qual	MDL	RL
Monochlorobiphenyl	<3.3		0.19	3.3
Dichlorobiphenyl	<3.3		0.35	3.3
Trichlorobiphenyl	<3.3		0.17	3.3
Tetrachlorobiphenyl	<6.6		0.37	6.6
Pentachlorobiphenyl	<6.6		0.34	6.6
Hexachlorobiphenyl	<6.6		0.33	6.6
Heptachlorobiphenyl	<9.9		0.50	9.9
Octachlorobiphenyl	<9.9		0.52	9.9
Nonachlorobiphenyl	<17		0.92	17
DCB Decachlorobiphenyl	<17		0.82	17

Surrogate	% Rec	Acceptance Limits
Decachlorobiphenyl-13C12	66	30 - 130

Lab Control Sample - Batch: 680-166341

Method: 680
Preparation: 680

Lab Sample ID: LCS 680-166341/4-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/22/2010 1302
Date Prepared: 04/21/2010 1725

Analysis Batch: 680-166543
Prep Batch: 680-166341
Units: ug/Kg

Instrument ID: MSF
Lab File ID: N/A
Initial Weight/Volume: 30.35 g
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Monochlorobiphenyl	65.9	46.4	70	30 - 130	
Dichlorobiphenyl	65.9	49.5	75	30 - 130	
Trichlorobiphenyl	65.9	50.8	77	30 - 130	
Tetrachlorobiphenyl	132	94.7	72	40 - 140	
Pentachlorobiphenyl	132	102	77	40 - 140	
Hexachlorobiphenyl	132	92.2	70	40 - 140	
Heptachlorobiphenyl	198	145	74	40 - 140	
Octachlorobiphenyl	198	143	72	40 - 140	
DCB Decachlorobiphenyl	329	171	52	30 - 130	

Surrogate	% Rec	Acceptance Limits
Decachlorobiphenyl-13C12	81	30 - 130

Client: Golder Associates Inc.

Job Number: 680-56921-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-166341

Method: 680
Preparation: 680

MS Lab Sample ID:	680-56921-1	Analysis Batch: 680-166543	Instrument ID: MSF
Client Matrix:	Solid	Prep Batch: 680-166341	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 30.37 g
Date Analyzed:	04/22/2010 1439		Final Weight/Volume: 1 mL
Date Prepared:	04/21/2010 1725		Injection Volume:

MSD Lab Sample ID:	680-56921-1	Analysis Batch: 680-166543	Instrument ID: MSF
Client Matrix:	Solid	Prep Batch: 680-166341	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 30.32 g
Date Analyzed:	04/22/2010 1512		Final Weight/Volume: 1 mL
Date Prepared:	04/21/2010 1725		Injection Volume:

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Monochlorobiphenyl	57	60	30 - 130	6	50		
Dichlorobiphenyl	63	68	30 - 130	8	50		
Trichlorobiphenyl	67	71	30 - 130	6	50		
Tetrachlorobiphenyl	60	64	40 - 140	7	50		
Pentachlorobiphenyl	70	74	40 - 140	7	50		
Hexachlorobiphenyl	62	65	40 - 140	5	50		
Heptachlorobiphenyl	66	70	40 - 140	5	50		
Octachlorobiphenyl	68	73	40 - 140	7	50		
DCB Decachlorobiphenyl	50	52	30 - 130	4	50		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Decachlorobiphenyl-13C12	75	79	30 - 130

Client: Golder Associates Inc. Job Number: 680-56921-1

Method Blank - Batch: 680-166343

Method: 8081A_8082
Preparation: 3550B

Lab Sample ID: MB 680-166343/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/22/2010 0925
Date Prepared: 04/21/2010 1755

Analysis Batch: 680-166409
Prep Batch: 680-166343
Units: ug/Kg

Instrument ID: SGZ
Lab File ID: zd22005.d
Initial Weight/Volume: 15.08 g
Final Weight/Volume: 5 mL
Injection Volume: 2 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
PCB-1016	<33		2.9	33
PCB-1221	<67		4.8	67
PCB-1232	<33		3.3	33
PCB-1242	<33		2.8	33
PCB-1248	<33		7.2	33
PCB-1254	<33		2.3	33
PCB-1260	<33		6.7	33
PCB-1268	<33		1.7	33

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	76	26 - 140
DCB Decachlorobiphenyl	79	50 - 129

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	73	26 - 140
DCB Decachlorobiphenyl	76	50 - 129

Lab Control Sample - Batch: 680-166343

Method: 8081A_8082
Preparation: 3550B

Lab Sample ID: LCS 680-166343/4-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/22/2010 0942
Date Prepared: 04/21/2010 1755

Analysis Batch: 680-166409
Prep Batch: 680-166343
Units: ug/Kg

Instrument ID: SGZ
Lab File ID: zd22006.d
Initial Weight/Volume: 15.01 g
Final Weight/Volume: 5 mL
Injection Volume: 2 uL
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
PCB-1016	333	265	80	43 - 136	
PCB-1260	333	282	85	53 - 133	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	81	26 - 140
DCB Decachlorobiphenyl	83	50 - 129

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	78	26 - 140
DCB Decachlorobiphenyl	80	50 - 129

Client: Golder Associates Inc.

Job Number: 680-56921-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-166343

Method: 8081A_8082
Preparation: 3550B

MS Lab Sample ID:	680-56921-1	Analysis Batch: 680-166409	Instrument ID: SGZ
Client Matrix:	Solid	Prep Batch: 680-166343	Lab File ID: zd22009.d
Dilution:	1.0		Initial Weight/Volume: 15.01 g
Date Analyzed:	04/22/2010 1034		Final Weight/Volume: 5 mL
Date Prepared:	04/21/2010 1755		Injection Volume: 2 uL
			Column ID: PRIMARY
MSD Lab Sample ID:	680-56921-1	Analysis Batch: 680-166409	Instrument ID: SGZ
Client Matrix:	Solid	Prep Batch: 680-166343	Lab File ID: zd22010.d
Dilution:	1.0		Initial Weight/Volume: 15.12 g
Date Analyzed:	04/22/2010 1051		Final Weight/Volume: 5 mL
Date Prepared:	04/21/2010 1755		Injection Volume: 2 uL
			Column ID: PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
PCB-1016	35	37	43 - 136	5	50	F	F
PCB-1260	70	70	53 - 133	0	50		

Surrogate	MS % Rec	MSD % Rec		Acceptance Limits
Tetrachloro-m-xylene	28	24	X	26 - 140
DCB Decachlorobiphenyl	77	78		50 - 129

Surrogate	MS % Rec	MSD % Rec		Acceptance Limits
Tetrachloro-m-xylene	28	24	X	26 - 140
DCB Decachlorobiphenyl	76	76		50 - 129

Serial Number 036028

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)
Solutia Anniston	043-3746003	AL
TAL (LAB) PROJECT MANAGER	P.O. NUMBER	CONTRACT NO.
LIDYA		
CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX
Solutia/Golder	845-300-8703	
CLIENT NAME	CLIENT E-MAIL	
Tim Richards		
CLIENT ADDRESS		
3730 Chamblee Tucker Rd		
COMPANY CONTRACTING THIS WORK (if applicable)		
Golder		

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

REQUIRED ANALYSIS: 8082 PCB; 680 PCB Homolog

PRESERVATIVE

PAGE: Page 22 of 23

STANDARD REPORT DELIVERY ○

DATE DUE

EXPEDITED REPORT DELIVERY (SURCHARGE) ⊗

DATE DUE ASAP

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G)	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	NUMBER OF CONTAINERS SUBMITTED		REMARKS
4/20/10	14:30	SSR1-11-S-15-3	G	X				X	X	1 1602 JAR
4/20/10	10:50	SSR1-11-S-15	G	X				X	X	1 1602 JAR

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
	4/20/10	18:30						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
Beth A Daughtry	4/21/10	0917	YES ○ NO ○		680-56921	Temp 3.8

TAL8240-680 (1207)

Login Sample Receipt Check List

Client: Golder Associates Inc.

Job Number: 680-56921-1

Login Number: 56921

List Source: TestAmerica Savannah

Creator: Daughtry, Beth

List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.8 C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	

APPENDIX C

Waste Manifests

WASTE MANIFEST SUMMARY TABLE
ANNISTON PCB SITE - OPERABLE UNIT 3

Waste Manifest Tracking Number	Date Transported	Total Quantity (KG)	Total Quantity (LB)
004176656	4/16/2010	14,334	31,606
004176658	4/13/2010	14,170	31,245
004176659	4/16/2010	14,615	32,226
004176660	4/16/2010	14,080	31,046
004176661	4/29/2010	15,000	35,440
Total		72,199	161,564

KG = Kilograms (as indicated on manifests).
LB - Pounds.
Quantity listed on manifest for 004176661 is shown as estimated kilograms. Actual quantity is provided in pounds on the included weigh ticket.

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Solutia Manifest #: 10-014 Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: ALD004019048 | 2. Page 1 of: 1 | 3. Emergency Response Phone: (800) 424-9300 | 4. Manifest Tracking Number: 004176656 JJK

GENERATOR

5. Generator's Name and Mailing Address: Solutia Inc. Anniston PCB Site 702 Clydesdale Ave. Anniston, AL 36201
Generator's Site Address (if different than mailing address):
Generator's Phone: (256) 231-8400

6. Transporter 1 Company Name: ~~Action Resources, Inc.~~ Robbie D. Wood | U.S. EPA ID Number: ~~ALD064138891~~ TNR000004234

7. Transporter 2 Company Name | U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Chemical Waste Management, Inc. Emelle Facility Alabama Highway 17 @ Mile Marker 163 Emelle, AL 35459 | U.S. EPA ID Number: ALD000622464
Facility's Phone: (205) 652-9721

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ, Environmentally Hazardous Substance, solid, N.O.S., 9, UN 3077, III, (Polychlorinated Biphenyls)	001	CM	(EST.) 18000 14,333.66	Kg	PCBs
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information: ADEM Disposal # 11501I-B003 SRA 928065 Emergency Contact-(800) 424-9300
CWM Profile # BK-3714 ERG-171 Out of Service Date: 4/13/2010
P.O. # (New - pending) PCB Labels \ UN-3077 placards State of Generation: Alabama

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Jerry O. Hopper | Signature: Jerry O. Hopper | Month: 04 | Day: 16 | Year: 10

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Clarence C Holt | Signature | Month: 04 | Day: 16 | Year: 10

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Corrected wt. Section II per Jerry Hopper. 4/16/2010
Manifest Reference Number:

18b. Alternate Facility (or Generator) | U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) | Month | Day | Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Lisa Acker | Signature | Month: 04 | Day: 16 | Year: 10

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO GENERATOR

1 ENV.

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Solutia Manifest #10-012 Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	ALD004019048	1	(800) 424-9300	004176658 JJK

5. Generator's Name and Mailing Address: Solutia Inc., Anniston PCB Site, 702 Clydedale Ave., Anniston, AL 36201
Generator's Site Address (if different than mailing address):
Generator's Phone: (256) 231-8400

6. Transporter 1 Company Name: Action Resources, Inc. — U.S. EPA ID Number: ALR000007237

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Chemical Waste Management, Inc., Emelle Facility, Alabama Highway 17 & Mile Marker 163, Emelle, AL 35459 — U.S. EPA ID Number: ALD006224464
Facility's Phone: (205) 652-9721

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ, Environmentally Hazardous Substance, Solid, N.O.S., 9, UN3077, III, (Polychlorinated Biphenyls)	001	CM	(EST) 18000 14170	K	PCBs
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
ADEM Disposal Approval # 113011-B003 SR# 928528 Emergency Contact-(800) 424-9300
CWM Profile # BK-3714 ERG-171 Out of Service Date: 4/13/10
P.O. # (New - pending) PCB Labels UN3077 placards State of Generation: Alabama

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Jerry O. Hopper — Signature: Jerry O. Hopper — Month: 04 Day: 13 Year: 10

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Paris Kennie — Signature — Month: 4 Day: 13 Year: 10

Transporter 2 Printed/Typed Name — Signature — Month Day Year

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
corrected wt per Jerry Hopper 4/15/10 Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Sudy Barkhead — Signature: Sudy Barkhead — Month: 04 Day: 14 Year: 10

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO GENERATOR

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Solutia Manifest # 10-013 Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
ALD 004019048	1	(800) 424-9300	004176659 JJK

GENERATOR

5. Generator's Name and Mailing Address: Solutia Inc. Anniston PCB Site 702 Clydesdale Ave. Anniston, AL 36201
Generator's Site Address (if different than mailing address)
Generator's Phone: (256) 231-8400

6. Transporter 1 Company Name: ~~Action Resources, Inc.~~ Robbie D. Wood
U.S. EPA ID Number: ALD069138891 ~~ALR000007237~~

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address: Chemical Waste Management, Inc. Emelle Facility Alabama Highway 17 @ Mile Marker 63 Emelle, AL 35459
U.S. EPA ID Number: ALD000622464
Facility's Phone: (205) 652-9721

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ, Environmentally Hazardous Substance, Solid, N.O.S., 9, UN3077, III, (Polychlorinated Biphenyls)	001	CM	(EST.) ~~18,000~~ 14,613	K	PCBs
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
ADEM Disposal # 11301I-B003 SR# 928528 Emergency Contact - (800) 424-9300
CWM Profile # BK-3914 ERG-171 Out of Service Date: 4/13/2010
P.O. # (new - pending) PCB Labels UN 3077 placards State of Generation: Alabama

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Jerry O. Hopper
Signature: Jerry O. Hopper
Month: 04 Day: 16 Year: 10

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Wesley Layton
Signature: Wesley Layton
Month: 04 Day: 16 Year: 10
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy.
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Corrected Input per Jerry Hopper. 4/16/10 JJG
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Lisa Acker
Signature: Lisa Acker
Month: 04 Day: 16 Year: 10

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO GENERATOR

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Solutia Manifest # 10-015 Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	ALD004019048	1	(800) 424-9300	004176660 JJK

GENERATOR

5. Generator's Name and Mailing Address: Solutia Inc. Anniston PCB Site 702 Clydesdale Ave. Anniston, AL 36201
Generator's Site Address (if different than mailing address)
Generator's Phone: (256) 231-8400

6. Transporter 1 Company Name: ~~Action Resources, Inc.~~ Robbie D. Wood — U.S. EPA ID Number: ALD067139891 ALR000004234

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address: Chemical Waste Management, Inc. Emelle Facility Alabama Highway 17 • Mile Marker 163 Emelle, AL 35459 — U.S. EPA ID Number: ALD000622464
Facility's Phone: (205) 652-9721

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ, Environmentally Hazardous Substance Solid, N.O.S., 9, UN3077, III, (Polychlorinated Biphenyls)	001	CM	(Est.) 18000 14,080	Kg.	PCBs
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
ADEM Disposal # 11-2011-8003
CWM Profile # BK-3914 ERG-171
P.O. # (New- pending) PCB Labels UN-3077 placards
Emergency Contact - (800) 424-9300
Date of Service Date: 4/13/2010
State of Generation: Alabama

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Jerry D. Hooper — Signature: Jerry D. Hopper — Month: 04 Day: 16 Year: 10

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Carnell Weston — Signature: [signature] — Month: 04 Day: 16 Year: 10

Transporter 2 Printed/Typed Name — Signature — Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Corrected wt per Jerry Hopper. 4/16/10 JG
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Lisa Acker — Signature: [signature] — Month: 04 Day: 16 Year: 10

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO GENERATOR

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Solutia Manifest # 10-016 Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	ALD004019048	1	(800) 424-9300	004176661 JJK

5. Generator's Name and Mailing Address: Solutia Inc. Anniston PCB Site 702 Clydesdale Ave. Anniston, AL 36201
Generator's Site Address (if different than mailing address):
Generator's Phone: (256) 231-8400

6. Transporter 1 Company Name: Action Resources, Inc. — U.S. EPA ID Number: ALR000007237

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Chemical Waste Management, Inc. Emelle Facility Alabama Highway 17 & Mile Marker 163 Emelle, AL 35459 — U.S. EPA ID Number: ALD000622464
Facility's Phone: (205) 652-9721

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ, Environmentally Hazardous Substance, Solid, N.O.S., 9, UN3077, III, (Polychlorinated Biphenyls)	001	CM	(EST.) 15,000	Kg.	PCBs
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
ADEM Disposal # 113011-B003 SR# 929F62 594 Emergency Contact - (800) 424-9300
CWM Profile # BK-3914 ERG - 171 Out of Service Date - 4/27/2010
P.O. # (new - pending) PCB labels/UN3077 placards State of Generation - Alabama

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgement of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
Terry O. Hopper	Terry O. Hopper	04	29	10

TRANSPORTER INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Mark A. Bates	Mark A Bates	04	29	10
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month / Day / Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name	Signature	Month	Day	Year
Judy Bankhead	Judy Bankhead	04	29	10

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO GENERATOR

5

C___INC. - EMELLE ***** Receipt # 471861 ***** Page - 1

Date/Time In 4/16/10 11:18 ** WEIGHT SUMMARY **
Load Type Rolloff Federal EPA ID ALD067130891 Gross 74440.00
Transporter ROBBIE D WOOD INC CWM Controlled Tare .00
DOLONITE AL Net .00
Adj. .00
Truck Number 253 Trailer/Contnr #1 A-38 #2 #3 Adj. Net .00

Rcpt Ln#	Doc Ln#	Document Number	Profile Sales	Profile Invoicing Customer	Cnt #	Cnt Code	Total Quan.	W	DCS Units	PCB	Sched Cat	Federal EPA Waste Status	ADEM #
1	1	004176656JJK BK3714		SOLUTIA INC ANNISTON AL	1	CN	18000.00	K	Kilogram	Y	PLFB	GC Undeterminable	113011-B003
							SUBCC Value - SUBCC Not Found						
	Doc Seq #	1	NOU	SOLUTIA INC			P.O. Num						COD Req'd
				Scheduled Date 04/16/10 Time 15:30 928900-2									

>51% OR <51% DEBRIS (CIRCLE)
PREFILLED VAULT Y OR N (CIRCLE)
>51% OR <51% HAC 10% INSPECTION (CIRCLE)
BULK MATERIAL ONLY:
SAMPLED/INSPECTED_____FREE LIQUIDS DETECTED?
SELECT MATERIAL/NON-SELECT MATERIAL_____WIND DISPERSAL MATERIAL?

4/16/2010 42840 lb G
13:36 31600 (14333.46kg)
4/16/2010 ~~42840 lb G~~
YES / NO
YES / NO

PHYSICAL DESCRIPTION OF WASTE:_____SAMPLER/APPROVAL_____

SAMPLE:____B10-_____ PHYS. DESCRIPTION_____
RAD.SCREEN POS NEG
IGN.SCREEN POS NEG
H20 SOL. S F PT/SOL
H20 RXN/TEMP. NO RXN REACTS_____
ph (PAPER)_____
CN SCREEN + - SULFIDE SCREEN + -
ADDITIONAL ANALYTICAL REQ'D? Y N
DESCRIBE:_____
PCB CONC.(PPM)_____ SULFIDE (9030)_____
%H20 BY KF_____ CYANIDE (9010)_____ TAB WASTE Y N
PAINT FILTER TEST/ P F SPEC. GRAVITY_____BNZ CONC.____PPM
COMMENTS:(SAFETY/OPERATIONAL)_____

COMPAT. TEST W/_____OK___RXN__

ADD'L SPOT SAMPLE ATTACHED? Y N
DISPOSAL METHOD: S SP ST-3 ST-3/PT P-ST-3 P-ST-3/PT ST-5 ST-5/PT P-ST-5 S01-PTA B-PIH OTHER_____
P-ST-5/PT ST-8 ST-8/PT HIC HAC (HAC INSPECT) F INC SP-VS PCB-HAC P-HAC
P-ST-8 P-ST-8/PT VS-3 VS-5 VS-8
INDICATOR PARAMETER WILL BE CIRCLED
B-HAC LOADS REQUIRING INSPECTION THAT ARE FOUND TO BE LESS THAN 51% MUST
BE RETURNED TO LAB AND PLACED ON HOLD._____
PURCHASED FOR DISPOSAL BY:_____DATE:_____

14170K

k2G

C INC. - EHELLE ***** Receipt # 471820 ***** Page - 1

Date/Time In 4/14/10 8:41
Load Type Rolloff Federal EPA ID ALR000007237
Transporter ACTION RESOURCES INC CWM Controlled
HANCEVILLE AL

Truck Number 133 Trailer/Contnr #1 A-9 ENV #2 #3

** WEIGHT SUMMARY **
Gross 74700.00
Tare .00
Net .00
Adj. .00
Adj. Net .00

Rcpt Ln#	Doc Ln#	Document Number	Profile Sales	Profile Invoicing	Generator Customer	Cnt #	Cnt Code	Total Quan.	W V	DOS Units	PCB	Sched Cat	Federal EPA Waste Status	ADEM #
1	1	004176658JJK	BK3714	SOLUTIA INC ANNISTON AL		1	CN	10000.00	K	Kilogram Y	PLFB	GC	Undeterminable	113011-B003

SUBCC Value - SUBCC Not Found

Doc Seq # 1 NOU SOLUTIA INC P.O. Num COD Req'd
Scheduled Date 04/14/10 Time 15:30 928779-2

>51% OR <51% DEBRIS (CIRCLE)
PREFILLED VAULT Y OR N (CIRCLE)
>51% OR <51% NAC 10% INSPECTION (CIRCLE)
BULK MATERIAL ONLY:
SAMPLED/INSPECTED_____ FREE LIQUIDS DETECTED? YES / NO
SELECT MATERIAL/NON-SELECT MATERIAL_____ WIND DISPERSAL MATERIAL? YES / NO

4/14/2010 9:56 43460 lb G
4/14/2010 9:56 43460 lb G

31240

PHYSICAL DESCRIPTION OF WASTE:_____ SAMPLER/APPROVAL_____

SAMPLE:_____B10-_____ PHYS. DESCRIPTION_____
RAD.SCREEN POS NEG
IGN.SCREEN POS NEG
H20 SOL. S F PT/SOL
H20 RXN/TEMP. NO RXN REACTS_____
ph (PAPER)_____
CN_SCREEN__+__-__SULFIDE SCREEN__+__-__
ADDITIONAL ANALYTICAL REQ'D? Y N
DESCRIBE:_____
PCB CONC. (PPM)_____ SULFIDE (9030)_____
%H20 BY KF_____ CYANIDE (9010)_____ TAB WASTE Y N
PAINT FILTER TEST/ P F SPEC. GRAVITY_____ BNZ CONC.____PPM
COMMENTS: (SAFETY/OPERATIONAL)_____

COMPAT. TEST W/_____OK___RXN__

ADD'L SPOT SAMPLE ATTACHED? Y N
DISPOSAL METHOD: S SP ST-3 ST-3/PT P-ST-3 P-ST-3/PT ST-5 ST-5/PT P-ST-5 S01-PTA B-PIN OTHER_____
P-ST-5/PT ST-8 ST-8/PT NIC NAC (NAC INSPECT) F INC SP-VS PCB-NAC P-NAC
P-ST-8 P-ST-8/PT VS-3 VS-5 VS-8
INDICATOR PARAMETER WILL BE CIRCLED
B-NAC LOADS REQUIRING INSPECTION THAT ARE FOUND TO BE LESS THAN 51% MUST
BE RETURNED TO LAB AND PLACED ON HOLD._____
PURCHASED FOR DISPOSAL BY:_____DATE:_____

k26

(6)

( )NC. - EMELLE ***** Receipt # 471863 ***** Page - 1

Date/Time In 4/16/10 11:22
Load Type Rolloff Federal EPA ID ALD067138891
Transporter ROBBIE D WOOD INC CHM Controlled
DOLOMITE AL

** WEIGHT SUMMARY **
Gross 75600.00
Tare .00
Net .00
Adj. .00
Adj. Net .00

Truck Number 5971 Trailer/Contnr #1 A-69 #2 #3

Rcpt Ln#	Doc Ln#	Document Number	Profile Sales	Profile Generator Invoicing Customer	Cnt #	Cnt Code	Total Quan.	W DCS V Units	PCB	Sched Cat	Federal EPA Waste Status	ADEM #
1	1	004176659JJK	BK3714	SOLUTIA INC ANNISTON AL	1	CN	18000.00	K Kilogram	Y	PLFB	GC Undeterminable	113011-B003
				SUBCC Value - SUBCC Not Found								
Doc Seq # 1		HOU		SOLUTIA INC			P.O. Num					COD Req'd
				Scheduled Date 04/16/10 Time 15:30 928900-3								

>51% OR <51% DEBRIS (CIRCLE)
PREFILLED VAULT Y OR N (CIRCLE)
>51% OR <51% NAC 10% INSPECTION (CIRCLE)
BULK MATERIAL ONLY:
SAMPLED/INSPECTED_____ FREE LIQUIDS DETECTED? YES / NO
SELECT MATERIAL/NON-SELECT MATERIAL_____ WIND DISPERSAL MATERIAL? YES / NO

4/16/2010 43380 lb G
32220 (14615)

PHYSICAL DESCRIPTION OF WASTE:_____ SAMPLER/APPROVAL_____

SAMPLE: B10-_____ | PHYS. DESCRIPTION_____
RAD. SCREEN POS NEG |
IGN. SCREEN POS NEG
H20 SOL. S F PT/SOL |
H20 RXN/TEMP. NO RXN REACTS_____ |
ph (PAPER)_____ |
CN SCREEN + - SULFIDE SCREEN + - |
ADDITIONAL ANALYTICAL REQ'D? Y N
DESCRIBE:
PCB CONC. (PPM)_____ SULFIDE (9030)_____
%H20 BY KF_____ CYANIDE (9010)_____ TAB WASTE Y N
PAINT FILTER TEST/ P F SPEC. GRAVITY_____ BNZ CONC.____PPM
COMMENTS: (SAFETY/OPERATIONAL)_____

COMPAT. TEST W/_____ OR___RXN__

ADD'L SPOT SAMPLE ATTACHED? Y N
DISPOSAL METHOD: S SP ST-3 ST-3/PT P-ST-3 P-ST-3/PT ST-5 ST-5/PT P-ST-5 S01-PTA B-PIN OTHER_____
P-ST-5/PT ST-8 ST-8/PT MIC NAC (NAC INSPECT) F INC SP-VS PCB-NAC P-NAC
P-ST-8 P-ST-8/PT VS-3 VS-5 VS-8
INDICATOR PARAMETER WILL BE CIRCLED
B-NAC LOADS REQUIRING INSPECTION THAT ARE FOUND TO BE LESS THAN 51% MUST
BE RETURNED TO LAB AND PLACED ON HOLD._____
P[illegible]SED FOR DISPOSAL BY:_____ DATE:_____

(2)

...NC. - EMELLE ***** Receipt # 471860 ***** Page - 1

Date/Time In 4/16/10 11:12
Load Type Rolloff
Transporter ROBBIE D WOOD INC
DOLOMITE AL

Federal EPA ID ALD067138891
CWM Controlled

** WEIGHT SUMMARY **
Gross 71540.00
Tare .00
Net .00
Adj. .00
Adj. Net .00

Truck Number 273 Trailer/Contnr #1 A-2EHV #2 #3

Rcpt Ln#	Doc Ln#	Document Number	Profile Sales	Profile Invoicing	Generator Customer	Cnt #	Cat Code	Total Quan.	W V	DCS Units	PCB	Sched Cat	Federal EPA Waste Status	ADEM #
1	1	004176660JJK	BK3714	SOLUTIA INC ANNISTON AL		1	CM	18000.00	K	Kilogram	Y	PLFB	GC Undeterminable	113011-B003
				SUBCC Value - SUBCC Not Found										
Doc Seq # 1		HOU	SOLUTIA INC		P.O. Num									COD Req'd

Scheduled Date 04/16/10 Time 15:30 928900-1

>51% OR <51% DEBRIS (CIRCLE)
PREFILLED VAULT Y OR N (CIRCLE)
>51% OR <51% MAC 10% INSPECTION (CIRCLE)
BULK MATERIAL ONLY:
SAMPLED/INSPECTED_____ FREE LIQUIDS DETECTED? YES / NO
SELECT MATERIAL/NON-SELECT MATERIAL_____ WIND DISPERSAL MATERIAL? YES / NO

4/16/2010 13:48 40600 lb G
31040 (14079.45kg)

PHYSICAL DESCRIPTION OF WASTE:_____ SAMPLER/APPROVAL_____

Spot SAMPLE:____B10-_____ | PHYS. DESCRIPTION_____
RAD.SCREEN POS NEG |
IGN.SCREEN POS NEG
H20 SOL. S F PT/SOL |
H20 RXN/TEMP. NO RXN REACTS_____ |
ph (PAPER)_____ |
CN_SCREEN__+_-_SULFIDE SCREEN_+_-_|
ADDITIONAL ANALYTICAL REQ'D? Y N
DESCRIBE:
PCB CONC.(PPM)_____ SULFIDE (9030)_____
%H20 BY KF_____ CYANIDE (9010)_____ TAB WASTE Y N
PAINT FILTER TEST/ P F SPEC. GRAVITY_____ BNZ CONC.____PPM
COMMENTS:(SAFETY/OPERATIONAL)_____

COMPAT. TEST W/_____ OK___RXN__

ADD'L SPOT SAMPLE ATTACHED? Y N
DISPOSAL METHOD: S SP ST-3 ST-3/PT P-ST-3 P-ST-3/PT ST-5 ST-5/PT P-ST-5 S01-PTA B-PIN OTHER_____
P-ST-5/PT ST-8 ST-8/PT HIC HAC (HAC INSPECT) F INC SP-VS PCB-HAC P-HAC
P-ST-8 P-ST-8/PT VS-3 VS-5 VS-8
INDICATOR PARAMETER WILL BE CIRCLED
B-HAC LOADS REQUIRING INSPECTION THAT ARE FOUND TO BE LESS THAN 51% MUST
BE RETURNED TO LAB AND PLACED ON HOLD._____
RELEASED FOR DISPOSAL BY:_____ DATE:_____

(2)

CWM, INC. - EMELLE ***** Receipt # 472072 ***** Page - 1

Date/Time In 4/29/10 12:33
Load Type Rolloff Federal EPA ID ALD067138891
Transporter ROBBIE D WOOD INC CWM Controlled
DOLOMITE AL

Truck Number 107 Trailer/Contnr #1 ABO ENV #2 #3

** WEIGHT SUMMARY **
Gross 76960.00
Tare .00
Net .00
Adj. .00
Adj. Net .00

Rcpt Ln#	Doc Ln#	Document Number	Profile Sales	Profile Invoicing Customer	Cnt #	Cnt Code	Total Quan.	U	DOS V Units	PCB	Sched Cat	Federal EPA Waste Status	ADEN #
1	1	004176661JJK	BK3714	SOLUTIA INC ANNISTON AL	1	CH	15000.00	K	Kilogram Y PLFB GC			Undeterminable	113011-B003
				SUBCC Value - SUBCC Not Found									
Doc Seq # 1		HOU		SOLUTIA INC P.O. Num									COD Req'd
Scheduled Date 04/29/10 Time 15:30 929594-1													

>51% OR <51% DEBRIS (CIRCLE)
PREFILLED VAULT Y OR N (CIRCLE)
>51% OR <51% HAC 10% INSPECTION (CIRCLE)
BULK MATERIAL ONLY:

4/29/2010 14:35 41520 lb G
35440

SAMPLED/INSPECTED_____ FREE LIQUIDS DETECTED? YES / NO
SELECT MATERIAL/NON-SELECT MATERIAL_____ WIND DISPERSAL MATERIAL? YES / NO

F ICAL DESCRIPTION OF WASTE:_____ SAMPLER/APPROVAL_____

SPOT SAMPLE:____B10-_____ | PHYS. DESCRIPTION_____
RAD.SCREEN POS NEG |
IGN.SCREEN POS NEG
H20 SOL. S F PT/SOL |
H20 RXN/TEMP. NO RXN REACTS_____ |
ph (PAPER)_____ |
CN__SCREEN__+__-__SULFIDE SCREEN__+__- |
ADDITIONAL ANALYTICAL REQ'D? Y__N
DESCRIBE:_____
PCB CONC. (PPM)_____ SULFIDE (9030)_____
%H20 BY KF_____ CYANIDE (9010)_____ TAB WASTE Y N
PAINT FILTER TEST/ P F SPEC. GRAVITY_____ BNZ CONC.____PPM
COMMENTS:(SAFETY/OPERATIONAL)_____

COMPAT. TEST W/_____OK___RXN__

ADD'L SPOT SAMPLE ATTACHED?__Y__N
DISPOSAL METHOD: S SP ST-3 ST-3/PT P-ST-3 P-ST-3/PT ST-5 ST-5/PT P-ST-5 S01-PTA B-PIN OTHER_____
P-ST-5/PT ST-8 ST-8/PT HIC HAC (HAC INSPECT) F INC SP-VS PCB-HAC P-HAC
P-ST-8 P-ST-8/PT VS-3 VS-5 VS-8
INDICATOR PARAMETER WILL BE CIRCLED
B-[illegible] LOADS REQUIRING INSPECTION THAT ARE FOUND TO BE LESS THAN 51% MUST
BE [illegible]URNED TO LAB AND PLACED ON HOLD._____
RELEASED FOR DISPOSAL BY:_____DATE:_____

WM
Waste Management, Inc.
Emelle Facility
P.O. Box 55
Emelle, Alabama 35459-0055
(205)652-9721

Manifest Document Number:

SOLUTIA INC
702 CLYDESDALE AVE

ANNISTON, AL 36201-5328

Site Information

SOLUTIA INC
702 CLYDESDALE AVE

ANNISTON, AL 36201-5328

CERTIFICATE OF DISPOSAL

Chemical Waste Management, Inc. (ALD000622464) has received PCB material from
SOLUTIA INC

as described on Hazardous Waste Manifest Number 004176656JJK-1
Waste Management, Inc. hereby certifies that the above described material (exluding PCB liquids, if applicable) was landfilled on the dates shown below, in compliance with State and Federal Regulations.

Under civil and criminal penalties of law for the making or submission of falseor fraudulent statements or representation (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the pesons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

Dorothy Oliver, Recordkeeping and Reporting Supervisor
May 03, 2010

OSD	Unique ID	Cont #	Profile	Disposed	Description
4/13/10	004176656JJK-01	1	BK3714	4/16/10	PCB CONTAMINATED SOIL, DEBRIS /

WM
Waste Management, Inc.
Emelle Facility
P.O. Box 55
Emelle, Alabama 35459-0055
(205)652-9721

Manifest Document Number:

SOLUTIA INC
702 CLYDESDALE AVE

ANNISTON, AL 36201-5328

Site Information

SOLUTIA INC
702 CLYDESDALE AVE

ANNISTON, AL 36201-5328

CERTIFICATE OF DISPOSAL

Chemical Waste Management, Inc. (ALD000622464) has received PCB material from
SOLUTIA INC

as described on Hazardous Waste Manifest Number 004176658JJK-1
Waste Management, Inc. hereby certifies that the above described material (exluding PCB liquids, if applicable) was landfilled on the dates shown below, in compliance with State and Federal Regulations

Under civil and criminal penalties of law for the making or submission of falseor fraudulent statements or representation (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

Dorothy Oliver, Recordkeeping and Reporting Supervisor
April 15, 2010

OSD	Unique ID	Cont #	Profile	Disposed	Description
4/13/10	004176658JJK-01	1	BK3714	4/14/10	PCB CONTAMINATED SOIL, DEBRIS /

WM
Waste Management, Inc.
Emelle Facility
P.O. Box 55
Emelle, Alabama 35459-0055
(205)652-9721

Manifest Document Number:

SOLUTIA INC
702 CLYDESDALE AVE

ANNISTON, AL 36201-5328

Site Information

SOLUTIA INC
702 CLYDESDALE AVE

ANNISTON, AL 36201-5328

CERTIFICATE OF DISPOSAL

Chemical Waste Management, Inc. (ALD000622464) has received PCB material from
SOLUTIA INC

as described on Hazardous Waste Manifest Number 004176659JJK-1
Waste Management, Inc. hereby certifies that the above described material (exluding PCB liquids, if applicable) was landfilled on the dates shown below, in compliance with State and Federal Regulations

Under civil and criminal penalties of law for the making or submission of falseor fraudulent statements or representation (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the pesons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

Dorothy Oliver, Recordkeeping and Reporting Supervisor
May 03, 2010

OSD	Unique ID	Cont #	Profile	Disposed	Description
4/13/10	004176659JJK-01	1	BK3714	4/16/10	PCB CONTAMINATED SOIL, DEBRIS /

WM
Waste Management, Inc.
Emelle Facility
P.O. Box 55
Emelle, Alabama 35459-0055
(205)652-9721

Manifest Document Number:

SOLUTIA INC
702 CLYDESDALE AVE

ANNISTON, AL 36201-5328

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ANNISTON, AL 36201-5328

CERTIFICATE OF DISPOSAL

Chemical Waste Management, Inc. (ALD000622464) has received PCB material from
SOLUTIA INC

as described on Hazardous Waste Manifest Number 004176660JJK-1
Waste Management, Inc. hereby certifies that the above described material (exluding PCB liquids, if applicable) was landfilled on the dates shown below, in compliance with State and Federal Regulations.

Under civil and criminal penalties of law for the making or submission of falseor fraudulent statements or representation (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the pesons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

Dorothy Oliver, Recordkeeping and Reporting Supervisor
May 03, 2010

OSD	Unique ID	Cont #	Profile	Disposed	Description
4/13/10	004176660JJK-01	1	BK3714	4/16/10	PCB CONTAMINATED SOIL, DEBRIS /

WM
Waste Management, Inc.
Emelle Facility
P.O. Box 55
Emelle, Alabama 35459-0055
(205)652-9721

Manifest Document Number:

SOLUTIA INC
702 CLYDESDALB AVE

ANNISTON, AL 36201-5328

Site Information

SOLUTIA INC
702 CLYDESDALE AVE

ANNISTON, AL 36201-5328

CERTIFICATE OF DISPOSAL

Chemical Waste Management, Inc. (ALD000622464) has received PCB material from
SOLUTIA INC

as described on Hazardous Waste Manifest Number 004176661JJK-1
Waste Management, Inc. hereby certifies that the above described material (exluding PCB liquids, if applicable) was landfilled on the dates shown below, in compliance with State and Federal Regulations.

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Dorothy Oliver, Recordkeeping and Reporting Supervisor
May 03, 2010

OSD	Unique ID	Cont #	Profile	Disposed	Description
4/27/10	004176661JJK-01	1	BK3714	4/29/10	PCB CONTAMINATED SOIL, DEBRIS /

APPENDIX D

Source Removal Photographs

Photograph 1: Initial Excavation (Looking Southeast)

Photograph 2: Excavation in Progress (Looking West)

Photograph 3: Extent of Excavation (Looking Northeast)

Photograph 4: Initial Backfilling (Looking Southwest)

Photograph 5: Collection of Additional Southern Sample (SSRI-11-S-15) with Initial Excavation Complete (Looking Northwest)

Photograph 6: Additional Excavation

Photograph 7: Additional Excavation Backfilling